



BRUMBERG

Light
For generations.

Light. Innovations. 2022 | 2023.

Product innovations and expansions.



BRUMBERG

Product innovations and expansion of our product range.

Interior lighting.

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1

Interior lighting

01

Highlights.

Innovative product systems.

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BIRO Square surface luminaires

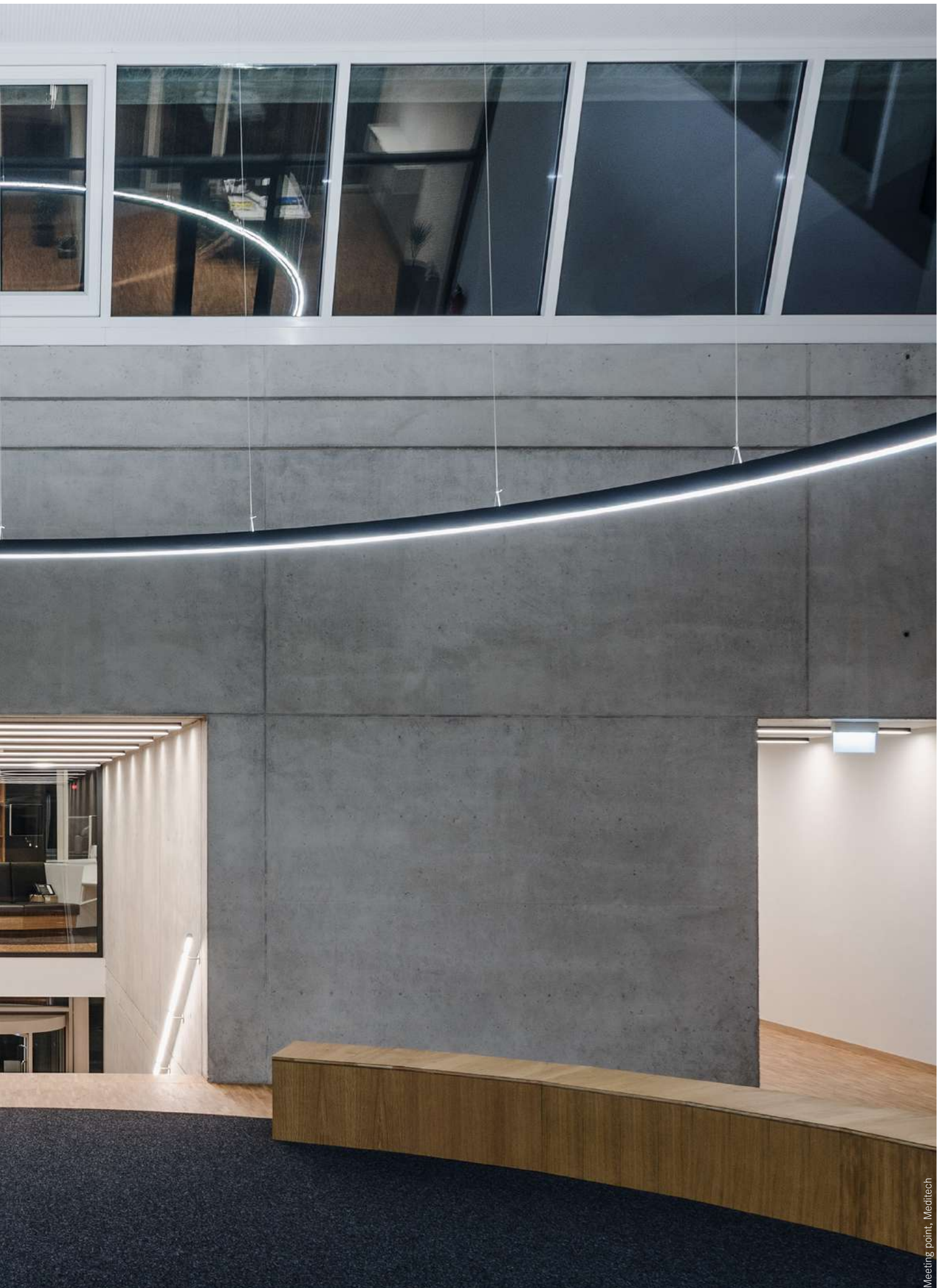
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AGGY and OREN Panel luminaires

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MELODY.

MY
EFFICIENT
LIGHT
ON
DEMAND





MELODY Floor lamps.

We all follow our own individual rhythms in life - and that also is true of our daily working routines. The classic forms of work have been replaced by new ones so as to make room for these changing rhythms.

What is absolutely essential for a modern working environment is appropriate lighting that seamlessly fosters individual working processes with perfectly tuned light. A lighting system that caters to individuality and flexibility. It rolls (melodically) with your own work rhythm, provides coordinated lighting and can be changed in line with your own workflow.

That is what we like to call **MELODY** - my efficient light on demand - year round.

Key features of the products:

- Nanoprismatic optics for minimal glare UGR < 19.
- Color rendering of CRI > 90.
- Can be customized from 1 to 4 heads.
- Can be controlled via Casambi.
- Direct / Indirect - Can be controlled separately.
- High efficiency with 126 lm/W.
- Service life >50,000 at ta 25 °C, L90B10.
- Presence detector on luminaire head.
- **Luminaire density < 3000 cd / m²**

light follows rhythm



Precise tuning for the workplace

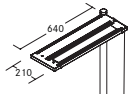
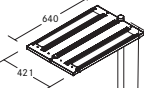
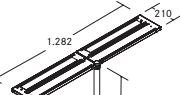
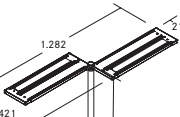
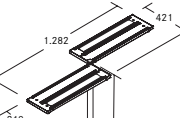
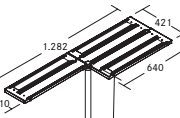
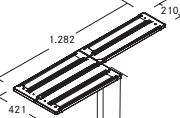
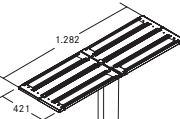
MELODY is built to ensure maximum customization. Each user can set his or her optimum lighting mood depending on the work situation. Whether soft light for a video call or plenty of light for a concentrated brainstorming session - with MELODY you always enjoy perfect lighting conditions.

It doesn't matter whether you are working alone or in a group. MELODY can be controlled individually and offers the right light for your every need and every biorhythm.

This ensures well-being, creates efficiency and makes everyday working life even smarter thanks to intuitive operation. It even allows the direct and indirect light components to be dimmed and controlled separately - which makes it perfect for working at a computer screen.

What's more, MELODY automatically adapts to the ambient light - for maximum precise light adjustment based exclusively on people's needs.

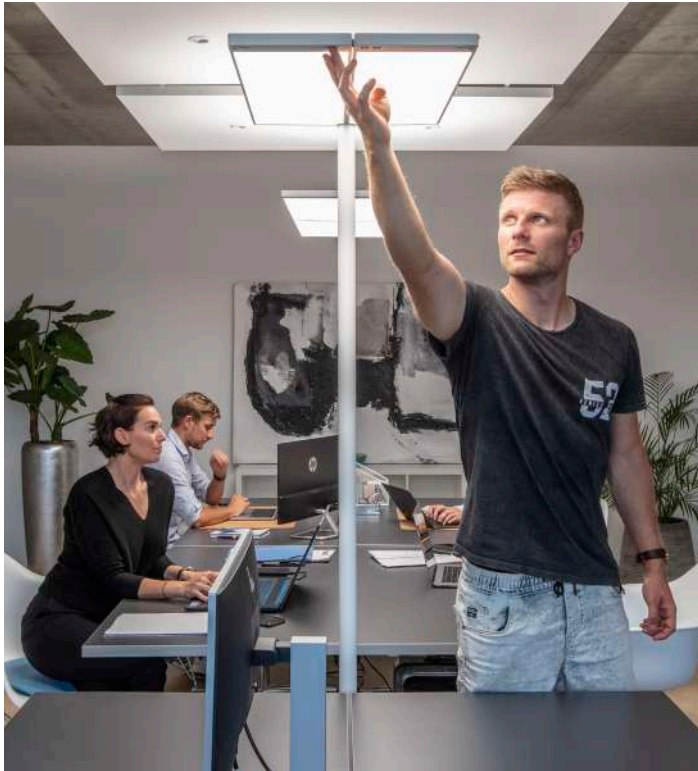
Here's a quick configuration table:

Sketch				Switchable				MS = With sensor	ST = Sensor + Pushbutton	AI = Sensor + Button + App
				Color			Color temperature			
				Structural white	Structural black	Structural silver	4000 K			
	1-head	60 W	77411	17	18	69	4	MS	ST	AI
	2-head parallel	120 W	77412	17	18	69	4	MS	ST	AI
	2-head linear		77422	17	18	69	4	MS	ST	AI
	2-head diagonally to the left		77432	17	18	69	4	MS	ST	AI
	2-head diagonally to the right		77442	17	18	69	4	MS	ST	AI
	3-head to the right	180 W	77413	17	18	69	4	MS	ST	AI
	3-head to the left		77423	17	18	69	4	MS	ST	AI
	4-head	240 W	77414	17	18	69	4	MS	ST	AI
	1		2	3			4	5		

Example:

2-head linear variant in textured silver with 4000 K with sensor & pushbutton = item no.: 77422 69 4 ST

light to handle



The following features are available provided the right version is ordered

- brightness and presence detector
- brightness and presence detector
+ manual control via illuminated touch sensor
- APP control
+ brightness and presence detector
+ manual control via illuminated touch sensor
- EnOcean Taster push button
(not included in scope of delivery)

Lighting control in the blink of an eye.

MELODY ensures maximum convenience - also when it comes to operation. Four different operating concepts are available for this purpose, enabling simple and optimum light control - suitable for every individual requirement.

1. Pushbutton on the luminaire head

With manual control, you operate MELODY in the classic way via a switch on the luminaire head. The light intensity can be adjusted directly/indirectly for the respective lighting situation. The booster function enables manual override of the luminaire for increased visual tasks.

2. Sensor control

Thanks to the sensor control including presence detector, MELODY automatically reacts to external influences such as daylight or moving people and adjusts the light accordingly. In this way, existing ambient light is used particularly efficiently, but unnecessary lighting during absence is also avoided.

3. MELODY App

The free app belonging to MELODY works with a Casambi module. It works with both iOS and Android devices and offers numerous options for individual control.

4. EnOcean pushbutton

MELODY including app can additionally be controlled with battery-free Casambi wireless switches. The so-called Casambi-compatible EnOcean pushbuttons can be placed like regular switches. They function kinetically, i.e. use kinetic energy to transmit radio signals, and are therefore battery-free and maintenance-free.

Ultra-flat design:
19 mm luminaire head
for separately switchable
direct and indirect light



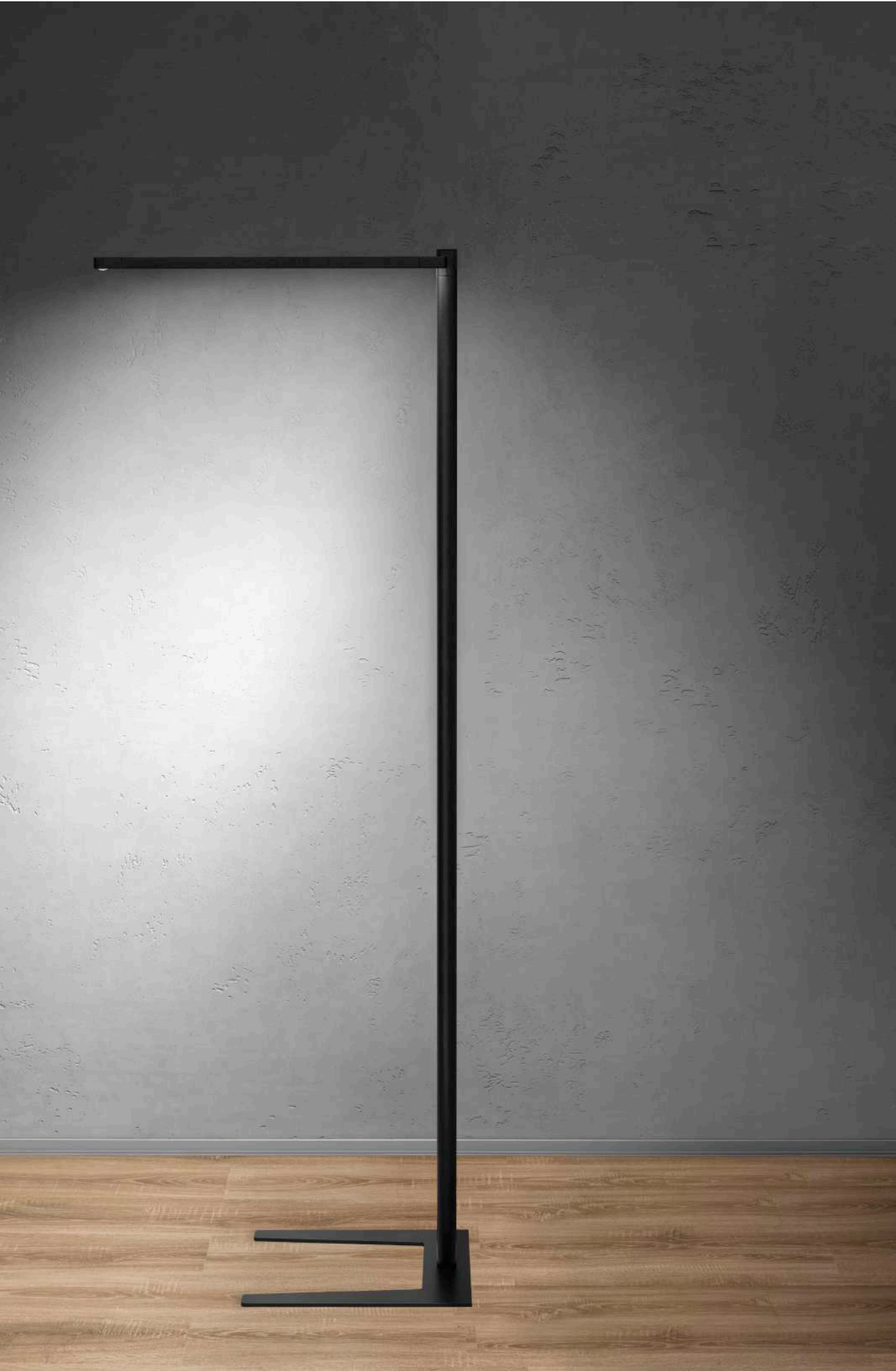
App control

Individual
control via
pushbutton

Automatic control via presence
and daylight sensor

Modularly expandable:
Stand tube to accom-
modate 1 to 4 luminaire
heads.

Innovative Cloud technology:
the dynamically adjusted engraving
density and depth of the LED module
ensure optimal and efficient light
distribution across the entire surface of
the luminaire.



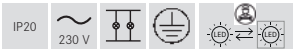
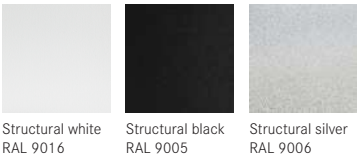
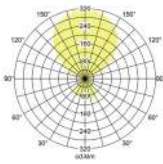
MELODY LED-floor lamp, 1-head

NEW

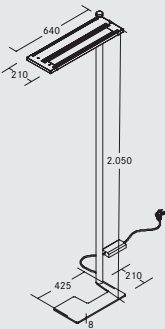
Illuminants: LED, color rendering: CRI > 90, color temperature: 4000 K, output: 60 W, complete luminous flux (direct+indirect 100 %): 7,600 lm, direct luminous flux (17 %): 1,292 lm, indirect luminous flux (83 %): 6,308 lm, glare rating: UGR < 19, system efficiency: 126 W/m, material: Aluminum / steel / plastic, Optics: Nanoprisms (direct) / microprisms (indirect), light distribution: double asymmetric, control: Daylight / presence sensor, dimming via integrated pushbutton, delivery: incl. feed line of 2,500 mm with protective contact angle plug.

Service life:
L90/B10, 50,000 hrs. (ta: +25 °C)

Available
for delivery
from January
2023.



These items are subject to discount group 2.

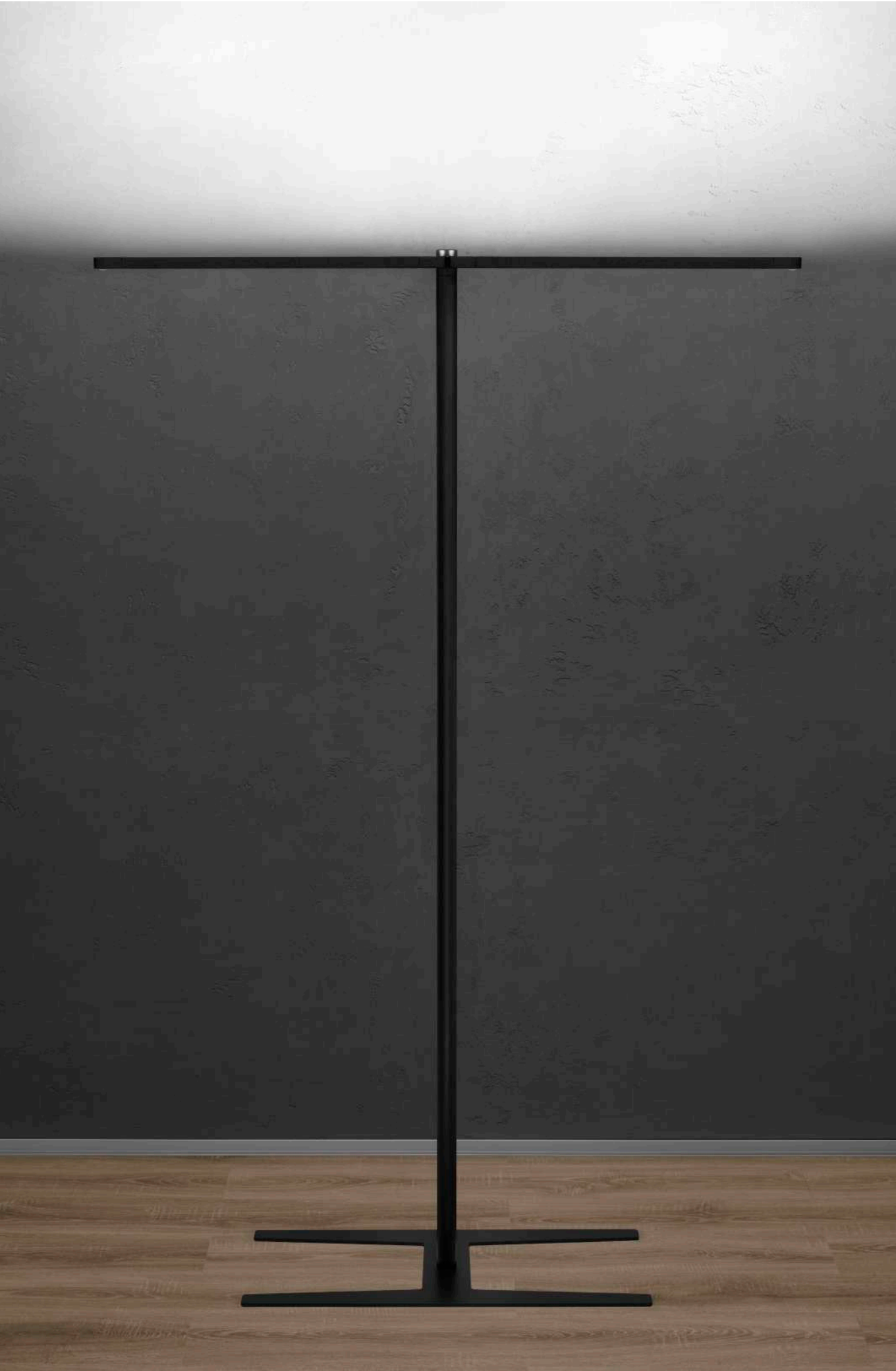


Item no.	Color
77411174MS	Structural white
77411184MS	Structural black
77411694MS	Structural silver
77411174ST	Structural white
77411184ST	Structural black
77411694ST	Structural silver
77411174AI	Structural white
77411184AI	Structural black
77411694AI	Structural silver

MS Ending:
with sensors

ST Ending:
with sensors and
pushbutton

AI Ending:
with sensors,
pushbutton and app



MELODY LED floor lamp, 2-head.

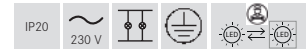
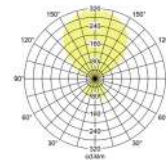
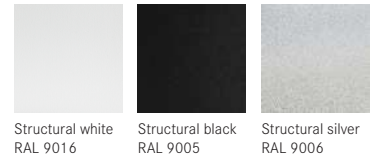
NEW

Illuminants: LED, color rendering: CRI > 90, color temperature: 4000 K, output: 120 W, complete luminous flux complete (direct+indirect 100 %): 15,200 lm, direct luminous flux (17 %): 2,584 lm, indirect luminous flux (83 %): 12,616 lm, glare rating: UGR < 19, system efficiency: 126 W/m, material: Aluminum / steel / plastic, Optics: Nanoprisms (direct) / microprisms (indirect), light distribution: double asymmetric, control: Daylight / presence sensor, dimming via integrated pushbutton, delivery: incl. feed line of 2,500 mm with protective contact angle plug.

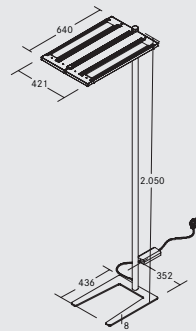
Service life:

L90/B10, 50,000 hrs. (ta: +25 °C)

Available
for delivery
from January
2023.

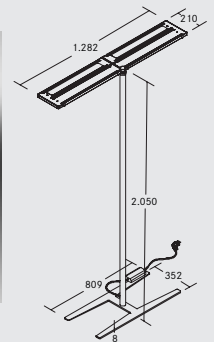


These items are subject to discount group 2.



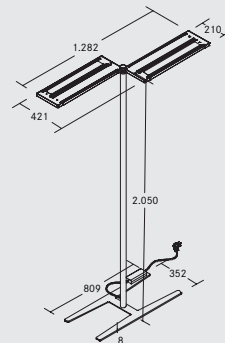
Item no.	Color
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77412184MS	Structural black
77412694MS	Structural silver
77412174ST	Structural white
77412184ST	Structural black
77412694ST	Structural silver
77412174AI	Structural white
77412184AI	Structural black
77412694AI	Structural silver

MS Ending:
with sensors
ST Ending:
with sensors and
pushbutton
AI Ending:
with sensors,
pushbutton and app



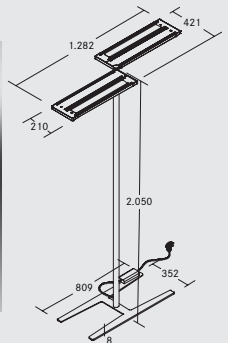
Item no.	Color
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77422184MS	Structural black
77422694MS	Structural silver
77422174ST	Structural white
77422184ST	Structural black
77422694ST	Structural silver
77422174AI	Structural white
77422184AI	Structural black
77422694AI	Structural silver

MS Ending:
with sensors
ST Ending:
with sensors and
pushbutton
AI Ending:
with sensors,
pushbutton and app



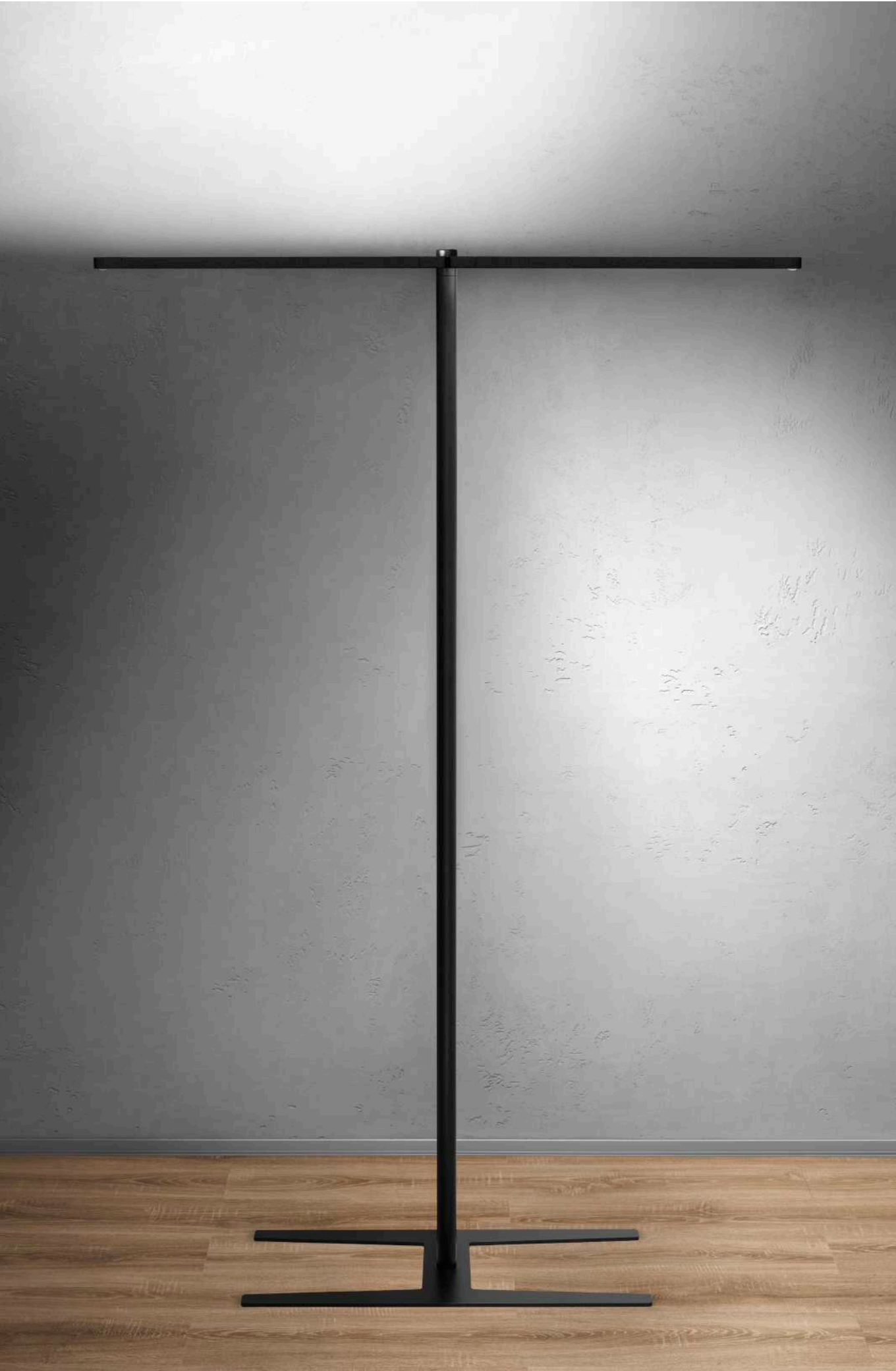
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77432184MS	Structural black
77432694MS	Structural silver
77432174ST	Structural white
77432184ST	Structural black
77432694ST	Structural silver
77432174AI	Structural white
77432184AI	Structural black
77432694AI	Structural silver

MS Ending:
with sensors
ST Ending:
with sensors and
pushbutton
AI Ending:
with sensors,
pushbutton and app



Item no.	Color
77442174MS	Structural white
77442184MS	Structural black
77442694MS	Structural silver
77442174ST	Structural white
77442184ST	Structural black
77442694ST	Structural silver
77442174AI	Structural white
77442184AI	Structural black
77442694AI	Structural silver

MS Ending:
with sensors
ST Ending:
with sensors and
pushbutton
AI Ending:
with sensors,
pushbutton and app



MELODY LED floor lamp, 3-head

NEW

Illuminants: LED, color rendering: CRI > 90, color temperature: 4000 K, output: 180 W, complete luminous flux (direct+indirect 100 %): 22,800 lm, direct luminous flux (17 %): 3,867 lm, indirect luminous flux (83 %): 18,924 lm, glare rating: UGR < 19, system efficiency: 126 W/m, material: Aluminum / steel / plastic, Optics: Nanoprisms (direct) / microprisms (indirect), light distribution: double asymmetric, control: Daylight / presence sensor, dimming via integrated pushbutton, delivery: incl. feed line of 2,500 mm with protective contact angle plug.

Service life:

L90/B10, 50,000 hrs. (ta: +25 °C)

Available
for delivery
from January
2023.



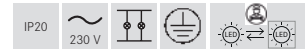
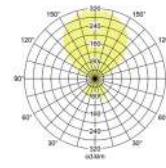
Structural white
RAL 9016



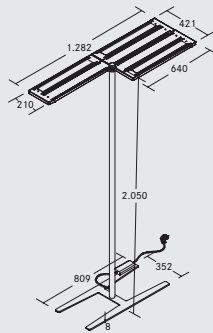
Structural black
RAL 9005



Structural silver
RAL 9006

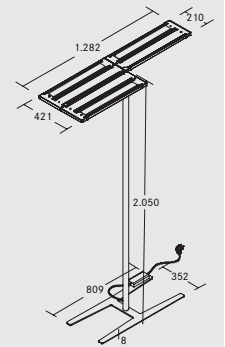


These items are subject to discount group 2.



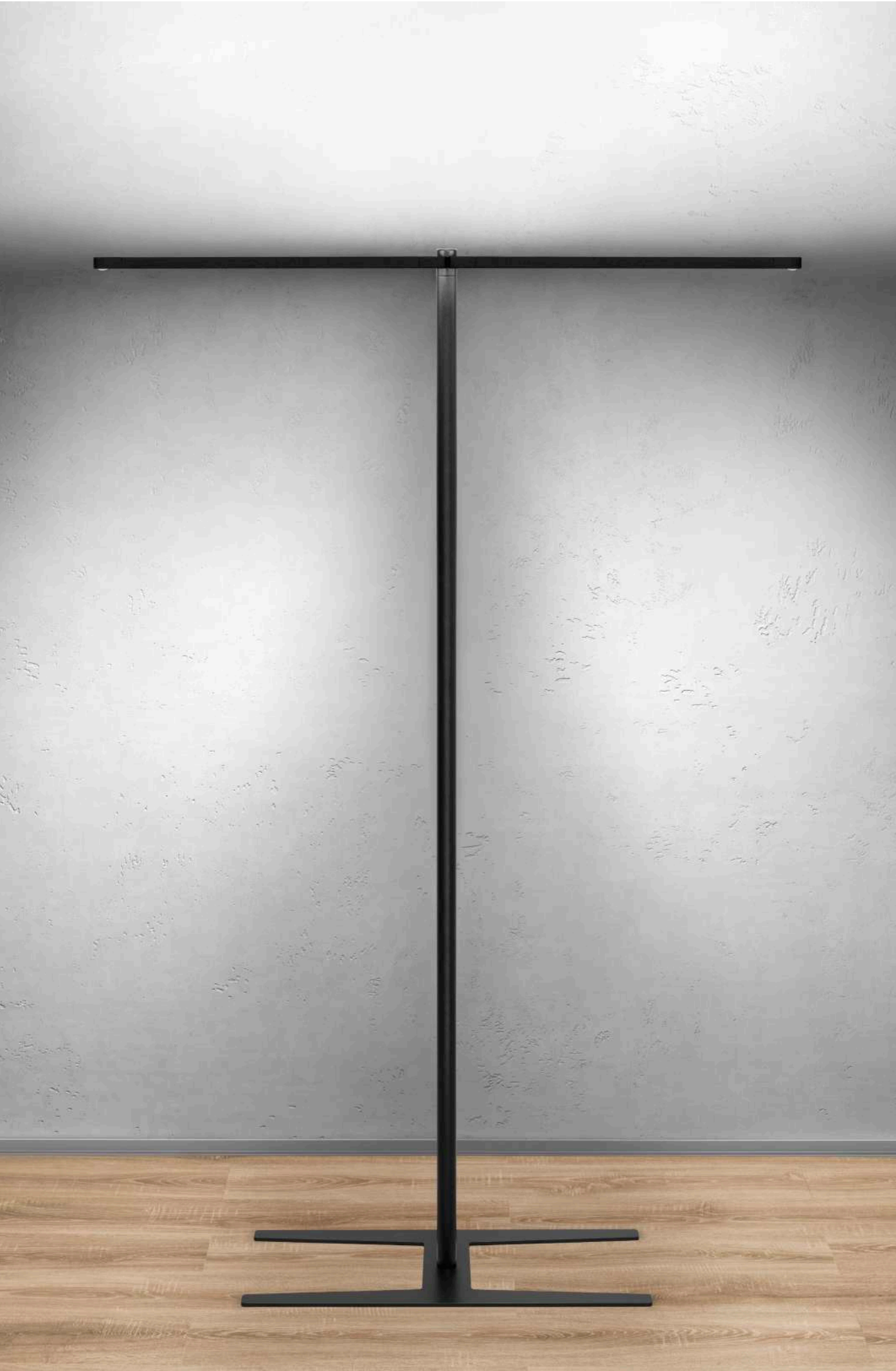
Item no.	Color
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77413184MS	Structural black
77413694MS	Structural silver
77413174ST	Structural white
77413184ST	Structural black
77413694ST	Structural silver
77413174AI	Structural white
77413184AI	Structural black
77413694AI	Structural silver

MS Ending:
with sensors
ST Ending:
with sensors and
pushbutton
AI Ending:
with sensors,
pushbutton and app



Item no.	Color
77423174MS	Structural white
77423184MS	Structural black
77423694MS	Structural silver
77423174ST	Structural white
77423184ST	Structural black
77423694ST	Structural silver
77423174AI	Structural white
77423184AI	Structural black
77423694AI	Structural silver

MS Ending:
with sensors
ST Ending:
with sensors and
pushbutton
AI Ending:
with sensors,
pushbutton and app



MELODY LED-floor lamps, 4-head

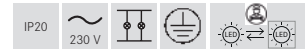
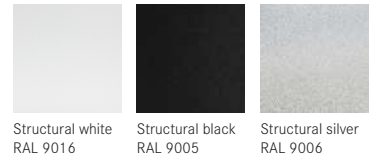
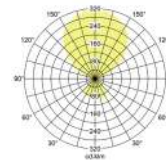
NEW

Illuminants: LED, color rendering: CRI > 90, color temperature: 4000 K, output: 240 W, complete luminous flux (direct+indirect 100 %): 30,400 lm, direct luminous flux (17 %): 5,168 lm, indirect luminous flux (83 %): 25,232 lm, glare rating: UGR < 19, system efficiency: 126 W/m, material: Aluminum / steel / plastic, Optics: Nanoprisms (direct) / microprisms (indirect), light distribution: double asymmetric, control: Daylight / presence sensor, dimming via integrated pushbutton, delivery: incl. feed line of 2,500 mm with protective contact angle plug.

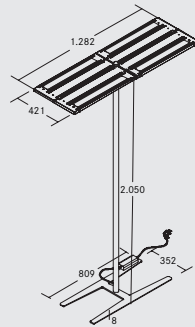
Service life:

L90/B10, 50,000 hrs. (ta: +25 °C)

Available
for delivery
from January
2023.



These items are subject to discount group 2.



Item no.	Color
77414174MS	Structural white
77414184MS	Structural black
77414694MS	Structural silver
77414174ST	Structural white
77414184ST	Structural black
77414694ST	Structural silver
77414174AI	Structural white
77414184AI	Structural black
77414694AI	Structural silver

MS Ending:
with sensors

ST Ending:
with sensors and
pushbutton

AI Ending:
with sensors,
pushbutton and app

1

Interior lighting





BIRO40 light channel system.

Linear lighting solutions and individual geometries.

Extruded aluminum light channel system with small width of 40 mm, for recessed ceiling, ceiling-mounting or suspension mounting. We offer these in standard lengths or as customized luminaires (in terms of length, shape and color scheme).

Key features of the products:

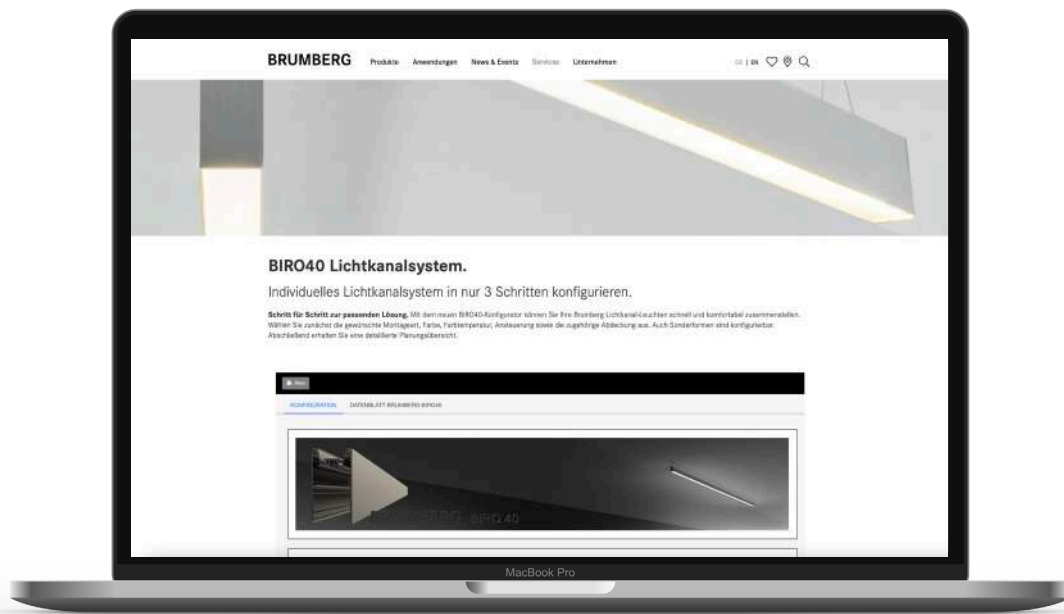
- High color rendering index > 90 and high system efficiency in lm/W.
- UGR < 19 with microprism coverage.
- All components such as converters or control devices are integrated in the light channel.
- Optical cover overlapping to avoid light gaps due to thermal expansion.
- Sliding rope suspension along the entire channel length as a triangle with tool-free installation height adjustment.
- Mounting distances of 1.5 m for low mounting costs.
- Transparent feed line in 5-pin model
- Ceiling canopy in any housing color according to RAL (against surcharge).

BIRO40 Light channel system configurator.

Individuality. Easy to plan.

Using the new BIRO40 light channel system configurator, you can put together your Brumberg light channel both quickly and with ease. First select the desired mounting type, color, color temperature, control and the corresponding cover. Special shapes can also be configured. Finally, you will get a detailed planning overview.

You can start your configuration now at: www.brumberg.com



BIRO40 Light channel system configurator.

Customize your BIRO40 light channel system in just a few steps.

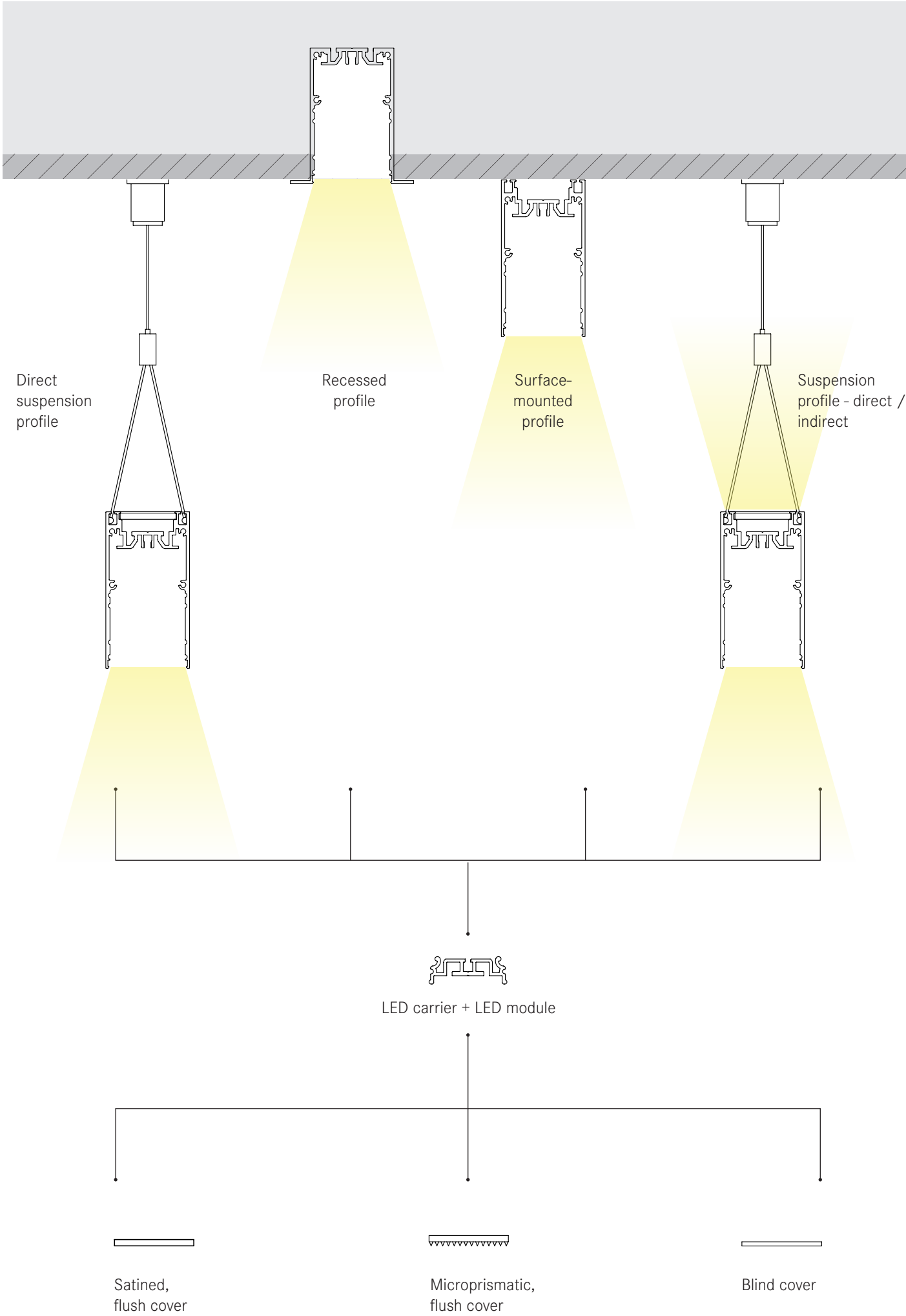
1. Select luminaire features.
2. Specify the length.
3. Check the configuration.
4. Print configuration or save as PDF.

KONFIGURATION

POS.	WERT	BESCHREIBUNG	DETAILANSICHT	LÄNGE
1.1	1	Leuchtelement BIRO40-LED-1000-1000-1000	1000mm	1000
1.2	1	Leuchtelement BIRO40-LED-1000-1000-1000	1000mm	1000
1.3	1	Leuchtelement BIRO40-LED-1000-1000-1000	1000mm	1000
1.4	1	Leuchtelement BIRO40-LED-1000-1000-1000	1000mm	1000
1.5	1	Leuchtelement BIRO40-LED-1000-1000-1000	1000mm	1000
1.6	1	Leuchtelement BIRO40-LED-1000-1000-1000	1000mm	1000
1.7	1	Leuchtelement BIRO40-LED-1000-1000-1000	1000mm	1000
1.8	1	Leuchtelement BIRO40-LED-1000-1000-1000	1000mm	1000
1.9	1	Leuchtelement BIRO40-LED-1000-1000-1000	1000mm	1000
1.10	1	Leuchtelement BIRO40-LED-1000-1000-1000	1000mm	1000



Currently only available in the German version
Go online to configure now:
<https://www.brumberg.com/de/services/lichtservice/biro40-lichtkanalsystem-konfigurator/>



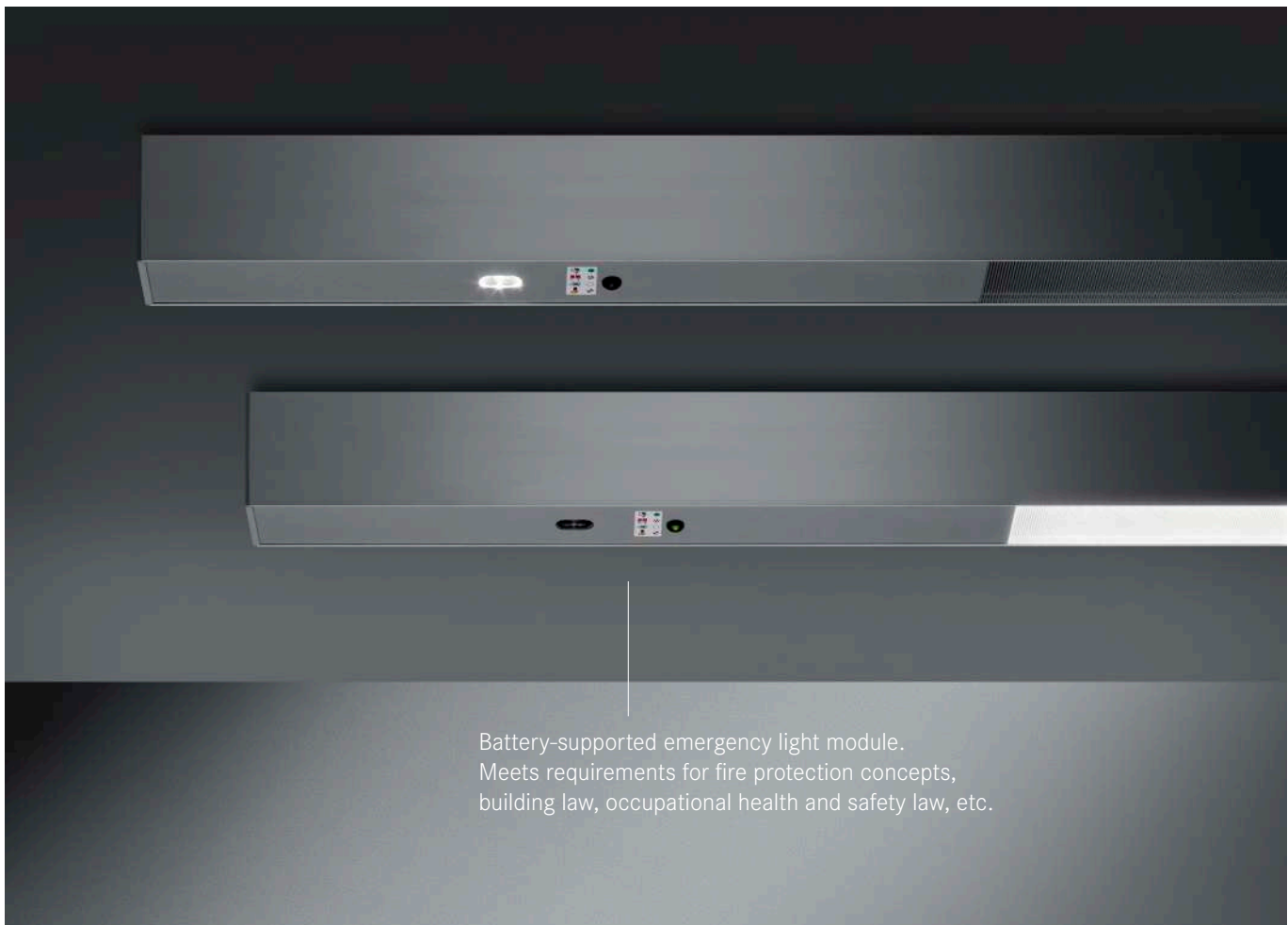
BIRO40 - Integrable emergency light module.

Lead the way safely during emergencies.

The BIRO40 light channel system can be additionally equipped with an LED emergency light module via the online configurator. The light distribution of the optical system ensures safe illumination of rescue and escape routes at different mounting heights (from 2.5 m to 12 m).

- Integrable emergency light module.
- Choice of two emergency light modules incl. LiFe-PO4 single battery
Rated operating time of 3 hours or 8 hours.
- Can be monitored via automatic self-test.
- Space requirement for emergency light module = 415 mm.
- Configuration possible via online configurator

Currently only available in the German version.
Go online to configure now:
<https://www.brumberg.com/de/services/lichtservice/biro40-lichtkanalsystem-konfigurator/>



Battery-supported emergency light module.
Meets requirements for fire protection concepts,
building law, occupational health and safety law, etc.

BIRO40 - Integrable power rail.

Symbiosis of linear and directional light.

In addition to the standardized linear LED modules and the emergency light component, the BIRO40 lighting channel system can be expanded with an Intrack busbar module. With the possibility of integrating LED track spotlights, sales areas and merchandise can be accentuated and highlighted in a targeted manner, especially in the retail sector.

- Mounting for spotlights via track (max. 2 meters).
- Switchable light channel with 3-phase busbar for universal Euro adapters.
- BIRO40 light channel with integrated 1-phase DALI track for compatible BRUMBERG track spotlights
- Combination of light channel and spotlight for targeted lighting.
- Configuration possible via online configurator

Currently only available in the German version Go on-line to configure now:
<https://www.brumberg.com/de/services/lichtservice/biro40-lichtkanalsystem-konfigurator/>



Intrack power rail module.
 BIRO40 light channel with integrated
 1-phase DALI track for compatible
 BRUMBERG track spotlights



AWO Wöhring GmbH

BIRO40.

One profile, three applications.

1. Installation.

Suitable for recessed ceiling mounting. Recessed profile made of torsion-resistant rigid aluminum with extremely narrow luminaire body of 40 x 65 mm.

2. Surface mounting.

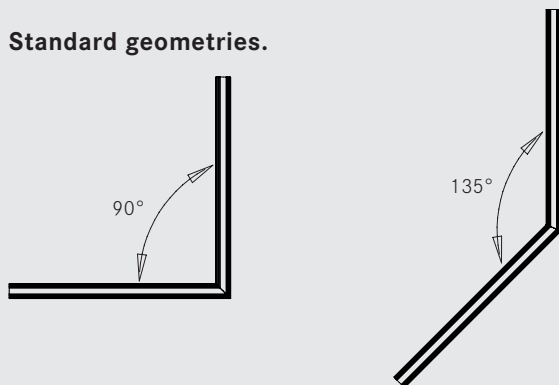
Suitable for ceiling mounting and wall mounting. Profiles made of torsion-resistant aluminum with extremely narrow luminaire body of 40 x 75 mm.

3. Suspension. Direct or direct/indirect.

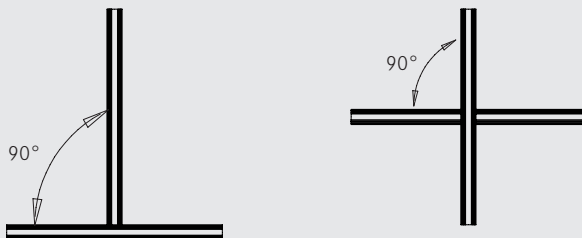
Suitable for suspension mounting. Profiles made of torsion-resistant aluminum with extremely narrow luminaire body of 40 x 75 mm.

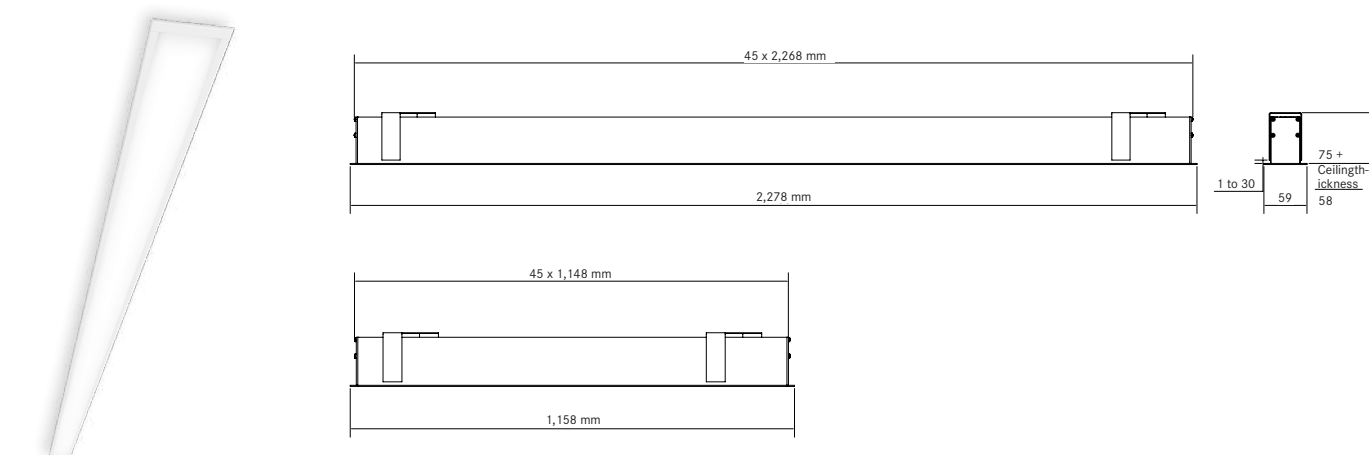
Carrying out lighting solutions with the appropriate geometries.

Standard geometries.



Geometries available on request.





BIRO40 LED recessed profile, standard lengths

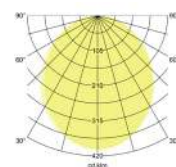
Color rendering:

CRI > 90, TunableWhite CRI > 80

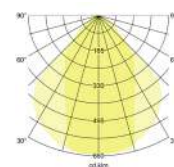
Service life:

3000 K & 4000 K: L80/B10, > 60,000 hrs. (ta: +25 °C)
2700 K - 6500 K (TW): L80/B50, 70,000 hrs. (ta: +25 °C)

Satined



Microprism



glossy white

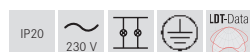


black matt

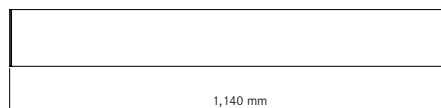
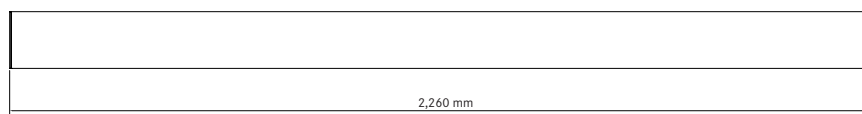


silver matte

Item No. silver matte anodized	Item No. white glossy	Item No. black matte anodized	Length	Color temperature	Cover	UGR	Control	Luminous flux	System efficiency	System power
77033693	77033073	77033083	1,158 mm	3000 K	Satined	< 25	DALI	2,430 lm	78 lm/W	31 W
77033694	77033074	77033084	1,158 mm	4000 K	Satined	< 25	DALI	2,740 lm	87 lm/W	31 W
77033698	77033078	77033088	1,158 mm	2700 K- 6500 K	Satined	< 25	DALI (DT8)	2,690 lm	86 lm/W	31 W
77034693	77034073	77034083	2,278 mm	3000 K	Satined	< 25	DALI	4,840 lm	77 lm/W	62 W
77034694	77034074	77034084	2,278 mm	4000 K	Satined	< 25	DALI	5,470 lm	87 lm/W	62 W
77034698	77034078	77034088	2,278 mm	2700 K- 6500 K	Satined	< 25	DALI (DT8)	5,380 lm	86 lm/W	62 W
77023693	77023073	77023083	1,158 mm	3000 K	Microprism	< 19	DALI	1,430 lm	80 lm/W	18 W
77023694	77023074	77023084	1,158 mm	4000 K	Microprism	< 19	DALI	1,620 lm	90lm/W	18 W
77023698	77023078	77023088	1,158 mm	2700 K- 6500 K	Microprism	< 19	DALI (DT8)	1,590 lm	89 lm/W	18 W
77024693	77024073	77024083	2,278 mm	3000 K	Microprism	< 19	DALI	2,860 lm	80 lm/W	36 W
77024694	77024074	77024084	2,278 mm	4000 K	Microprism	< 19	DALI	3,230 lm	90lm/W	36 W
77024698	77024078	77024088	2,278 mm	2700 K- 6500 K	Microprism	< 19	DALI (DT8)	3,180 lm	89 lm/W	36 W



These items are subject to discount group 2.



BIRO40 LED recessed profile, standard lengths

NEW

Color rendering:

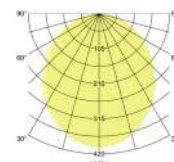
CRI > 90, TunableWhite CRI > 80

Service life:

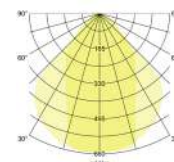
3000 K & 4000 K: L80/B10, > 60,000 hrs. (ta: +25 °C)

2700 K - 6500 K (TW): L80/B50, 70,000 hrs. (ta: +25 °C)

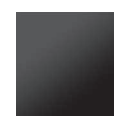
Satined



Microprism



glossy white

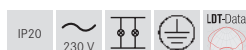


black matte

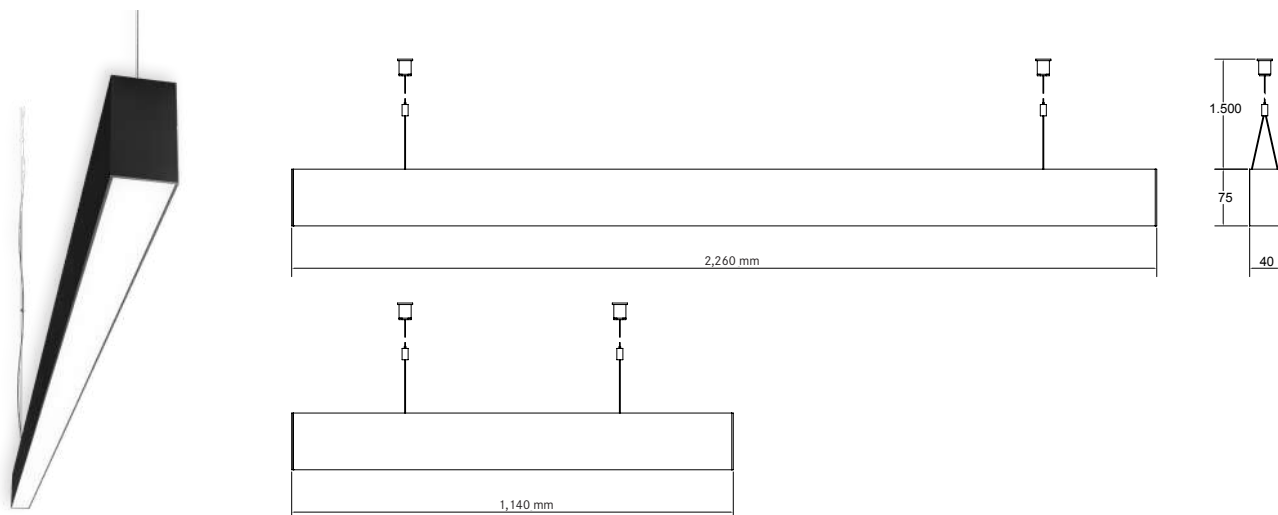


silver matte

NEW			Length	Color temperature	Cover	UGR	Control	Luminous flux	System efficiency	System power
Item No. silver matte anodized	Item No. white glossy	Item No. black matte anodized								
77143693	77143073	77143083	1,140 mm	3000 K	Satined	< 25	DALI	2,430 lm	78 lm/W	31 W
77143694	77143074	77143084	1,140 mm	4000 K	Satined	< 25	DALI	2,740 lm	87 lm/W	31 W
77143698	77143078	77143088	1,140 mm	2700 K-6500 K	Satined	< 25	DALI (DT8)	2,690 lm	86 lm/W	31 W
77144693	77144073	77144083	2,260 mm	3000 K	Satined	< 25	DALI	4,840 lm	77 lm/W	62 W
77144694	77144074	77144084	2,260 mm	4000 K	Satined	< 25	DALI	5,470 lm	87 lm/W	62 W
77144698	77144078	77144088	2,260 mm	2700 K-6500 K	Satined	< 25	DALI (DT8)	5,380 lm	86 lm/W	62 W
77133693	77133073	77133083	1,140 mm	3000 K	Microprism	< 19	DALI	1,430 lm	80 lm/W	18 W
77133694	77133074	77133084	1,140 mm	4000 K	Microprism	< 19	DALI	1,620 lm	90 lm/W	18 W
77133698	77133078	77133088	1,140 mm	2700 K-6500 K	Microprism	< 19	DALI (DT8)	1,590 lm	89 lm/W	18 W
77134693	77134073	77134083	2,260 mm	3000 K	Microprism	< 19	DALI	2,860 lm	80 lm/W	36 W
77134694	77134074	77134084	2,260 mm	4000 K	Microprism	< 19	DALI	3,230 lm	90 lm/W	36 W
77134698	77134078	77134088	2,260 mm	2700 K-6500 K	Microprism	< 19	DALI (DT8)	3,180 lm	89 lm/W	36 W



These items are subject to discount group 2.



BIRO40 LED suspended profile direct, standard lengths

NEW

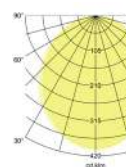
Color rendering:

CRI > 90, TunableWhite CRI > 80

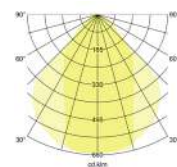
Service life:

3000 K & 4000 K: L80/B10, > 60,000 hrs. (ta: +25 °C)
2700 K - 6500 K (TW): L80/B50, 70,000 hrs. (ta: +25 °C)

Satined



Microprism



glossy white

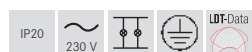


black matte

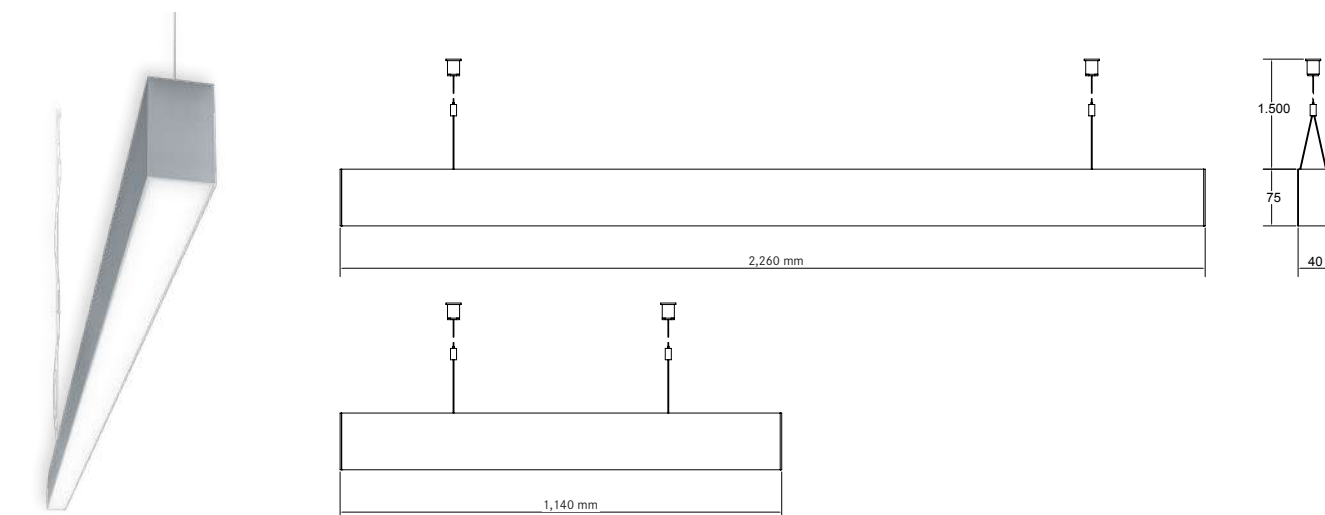


silver matte

NEW											
Item No. silver matte anodized	Item No. white glossy	Item No. black matte anodized	Length	Color temperature	Cover	UGR	Control	Luminous flux	System efficiency	System power	
77243693	77243073	77243083	1,140 mm	3000 K	Satined	< 25	DALI	2,430 lm	78 lm/W	31 W	
77243694	77243074	77243084	1,140 mm	4000 K	Satined	< 25	DALI	2,740 lm	87 lm/W	31 W	
77243698	77243078	77243088	1,140 mm	2700 K-6500 K	Satined	< 25	DALI (DT8)	2,690 lm	86 lm/W	31 W	
77244693	77244073	77244083	2,260 mm	3000 K	Satined	< 25	DALI	4,840 lm	77 lm/W	62 W	
77244694	77244074	77244084	2,260 mm	4000 K	Satined	< 25	DALI	5,470 lm	87 lm/W	62 W	
77244698	77244078	77244088	2,260 mm	2700 K-6500 K	Satined	< 25	DALI (DT8)	5,380 lm	86 lm/W	62 W	
77233693	77233073	77233083	1,140 mm	3000 K	Microprism	< 19	DALI	1,430 lm	80 lm/W	18 W	
77233694	77233074	77233084	1,140 mm	4000 K	Microprism	< 19	DALI	1,620 lm	90 lm/W	18 W	
77233698	77233078	77233088	1,140 mm	2700 K-6500 K	Microprism	< 19	DALI (DT8)	1,590 lm	89 lm/W	18 W	
77234693	77234073	77234083	2,260 mm	3000 K	Microprism	< 19	DALI	2,860 lm	80 lm/W	36 W	
77234694	77234074	77234084	2,260 mm	4000 K	Microprism	< 19	DALI	3,230 lm	90 lm/W	36 W	
77234698	77234078	77234088	2,260 mm	2700 K-6500 K	Microprism	< 19	DALI (DT8)	3,180 lm	89 lm/W	36 W	



These items are subject to discount group 2.



BIRO40 LED-suspended profile direct/ indirect, standard lengths

NEW

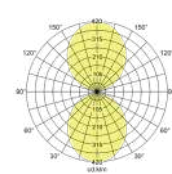
Color rendering: CRI > 90, TunableWhite CRI > 80

Service life:

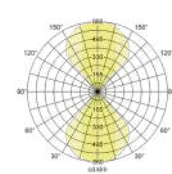
3000 K & 4000 K: L80/B10, > 60,000 hrs. (ta: +25 °C)

2700 K - 6500 K (TW): L80/B50, 70,000 hrs. (ta: +25 °C)

Satiné



Microprism



glossy white

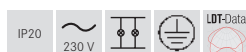


black matte

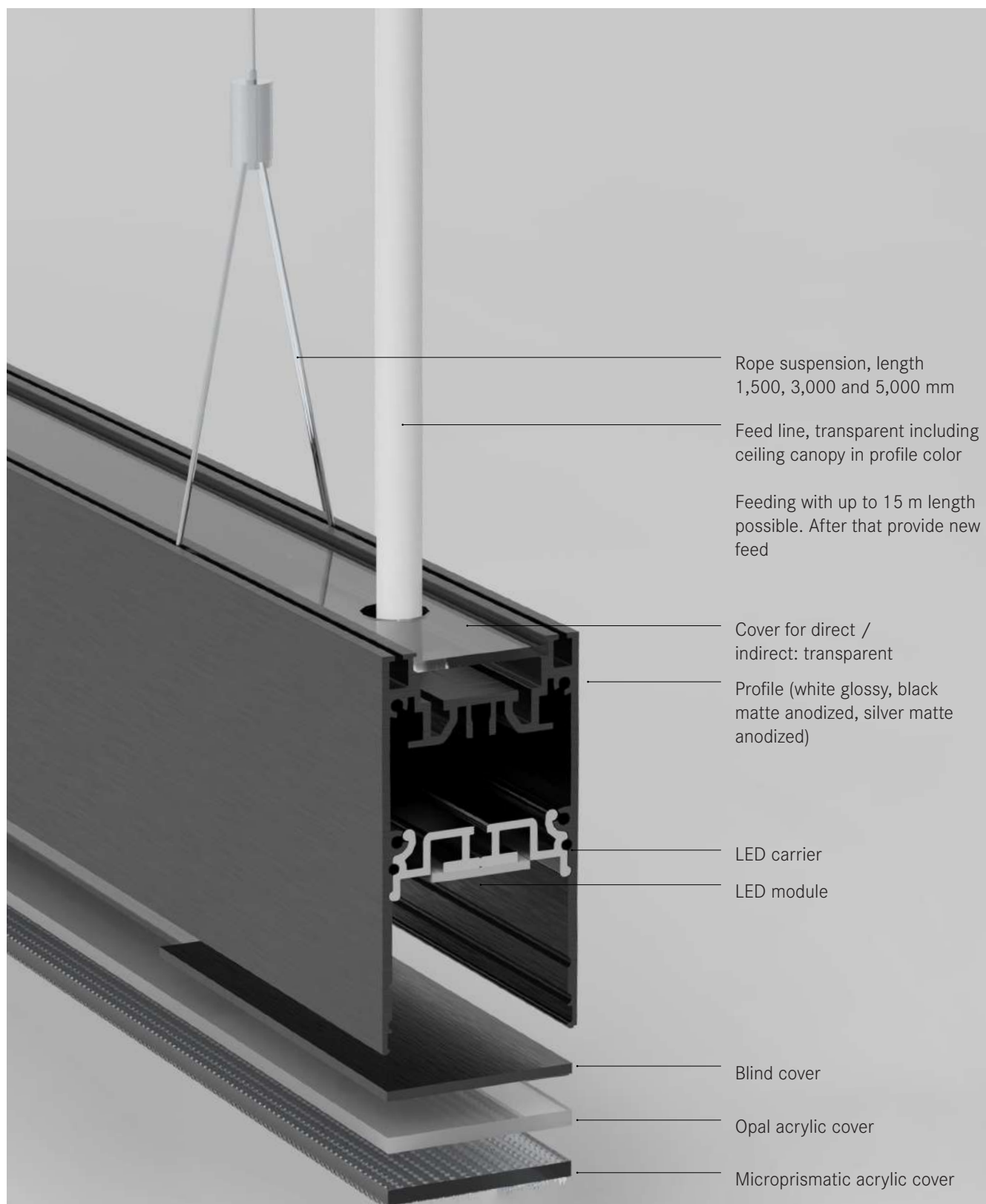


silver matte

NEW			Length	Color temperature	Cover	UGR	Control	Luminous flux	System efficiency	System power
Item No. silver matte anodized	Item No. white glossy	Item No. black matte anodized								
77353693	77353073	77353083	1,140 mm	3000 K	Satiné	< 25	DALI	4,970 lm	108 lm/W	46 W
77353694	77353074	77353084	1,140 mm	4000 K	Satiné	< 25	DALI	5,600 lm	122 lm/W	46 W
77353698	77353078	77353088	1,140 mm	2700 K-6500 K	Satiné	< 25	DALI (DT8)	5,520 lm	120 lm/W	46 W
77354693	77354073	77354083	2,260 mm	3000 K	Satiné	< 25	DALI	10,260 lm	108 lm/W	95 W
77354694	77354074	77354084	2,260 mm	4000 K	Satiné	< 25	DALI	11,580 lm	122 lm/W	95 W
77354698	77354078	77354088	2,260 mm	2700 K-6500 K	Satiné	< 25	DALI (DT8)	11,400 lm	120 lm/W	95 W
77333693	77333073	77333083	1,140 mm	3000 K	Microprism	< 19	DALI	5,060 lm	110 lm/W	46 W
77333694	77333074	77333084	1,140 mm	4000 K	Microprism	< 19	DALI	5,720 lm	124 lm/W	46 W
77333698	77333078	77333088	1,140 mm	2700 K-6500 K	Microprism	< 19	DALI (DT8)	5,630 lm	122 lm/W	46 W
77334693	77334073	77334083	2,260 mm	3000 K	Microprism	< 19	DALI	10,460 lm	110 lm/W	95 W
77334694	77334074	77334084	2,260 mm	4000 K	Microprism	< 19	DALI	11,810 lm	124 lm/W	95 W
77334698	77334078	77334088	2,260 mm	2700 K-6500 K	Microprism	< 19	DALI (DT8)	11,620 lm	122 lm/W	95 W



These items are subject to discount group 2.



Rope suspension, length
1,500, 3,000 and 5,000 mm

Feed line, transparent including
ceiling canopy in profile color

Feeding with up to 15 m length
possible. After that provide new
feed

Cover for direct /
indirect: transparent

Profile (white glossy, black
matte anodized, silver matte
anodized)

LED carrier

LED module

Blind cover

Opal acrylic cover

Microprismatic acrylic cover

To the
product video.



Technology.

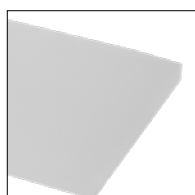
Monochrome

Module luminous efficiency: up to 124 lm / W
 Color rendering index: CRI \geq 90
 Initial color consistency: \leq 3 SDCM
 Average life: L80/B10, $>$ 60,000 h (at $t_a = 25^\circ\text{C}$).

TunableWhite

Module luminous efficacy: up to 102 lm / W at 2700 K.
 Module luminous efficacy: up to 122 lm / W with 6500 K
 Color rendering index: CRI \geq 80
 Initial color consistency: $<$ 3 SDCM
 Average life: L80/B50, 70,000 h (at $t_a = 25^\circ\text{C}$).

Covers.



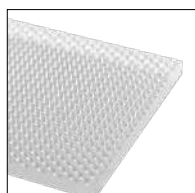
Opal acrylic cover flush-mounted with the surface.

For homogeneous basic illumination.
 Transmission factor 65 %



Blind cover.

For selective covering of the light exit.



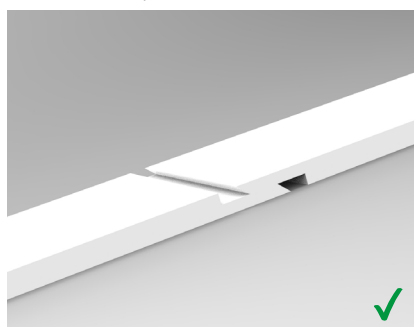
Microprism acrylic cover flush-mounted with the surface.

For directional light with reduced stray light and glare. Transmission factor 92 %

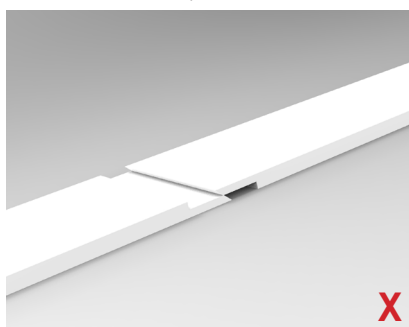
For the opal and microprismatic covers, the expansion is up to 1.5 millimeters per running meter and 10°C temperature difference. The covers of the BIRO40 light channel system are light-tight and view-tight when installed with an upper gap of 2 millimeters or a lower overlap of 5 millimeters.

For optimum light distribution, the prismatic structure of the microprismatic cover must be mounted on the outside.

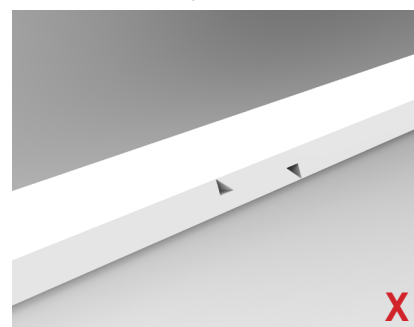
5 mm overlap



minimum overlap



maximum overlap



Removal tool.

For simplified assembly and disassembly, a removal tool for the LED carrier is included with every BIRO40 light channel system.



1

Interior lighting





BIRO Circle ring and surface luminaires.

Ring and surface luminaire as ceiling surface-mounted or suspension luminaire in round design with narrow visible edge made of strictly pressed aluminum in a maximum of 9 standard diameters from 450 mm to 2,500 mm – depending on the profile height.

We supply special sizes in diameters up to 6,000 mm on request.

Key features of the products:

- Color temperatures 3000 K or 4000 K.
- Opal polycarbonate (PC) cover.
- Parallel wire suspension with decentralized canopy (central ceiling canopy on request).
- available in 3 different profile heights: 100 mm, 50 mm or 35 mm.
- 3 Standard colors (textured white, textured black, textured silver) - RAL color shade of choice (against surcharge).
- Suspended - direct / indirect, suspended - direct, ceiling mounted - direct only.
- Transparent feed line in 3- or 5-pin model

BIRO ring and surface luminaires.

Lighting mood with BIRO Circle and Square.

In addition to numerous corner connections that enable different geometries, the BIRO light channel system can also be used to create ring-shaped luminaires in various sizes of up to six meters. As standard, we supply the luminaires in black, white and silver up to 2,500 mm. On request, however, we also offer individually designed ring luminaires in various colors and special sizes up to 6,000 mm in diameter. In addition, we offer closed round and square luminaires with full-surface light emission.

Aviation and floating ring luminaires.

At Frankfurt Airport (FraPort), Brumberg has provided a special lighting solution with BIRO CIRCLE custom-made suspended ring luminaires. The characteristics of the luminaires are ideal for this task: direct and indirect lighting, rotationally symmetrical, deep-wide light intensity distribution and light distribution through a microprismatic plastic cover.

More information about
FraPort Frankfurt



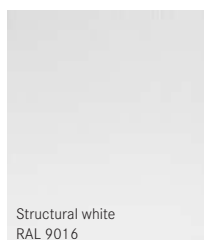
Decentralized canopy

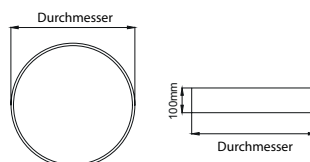


Central canopy



RAL surfaces





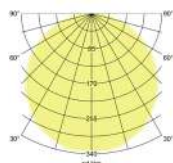
Height 100 mm

BIRO CIRCLE surface-mounted luminaire, direct

LED, input voltage: 220 - 240 V AC, 50 - 60 Hz,
color rendering: CRI > 80, beam angle: 120°,
cover: PC, opal, material: Aluminum / Steel / Plastic

Service life:

L90/B10, 74,000 hrs (ta: +25 °C)



Diameter	Item no. structural silver	Item no. structural white	Item no. structural black	Color temperature	Cover	Control	Luminous flux	System efficiency	System power
450 mm	13685163	13685173	13685183	3000 K	Opal	Switchable	2,450 lm	98 lm/W	25 W
	13685164	13685174	13685184	4000 K	Opal	Switchable	2,550 lm	102 lm/W	25 W
	13695163	13695173	13695183	3000 K	Opal	DALI	2,450 lm	98 lm/W	25 W
	13695164	13695174	13695184	4000 K	Opal	DALI	2,550 lm	102 lm/W	25 W
600 mm	13680163	13680173	13680183	3000 K	Opal	Switchable	5,186 lm	103 lm/W	50 W
	13680164	13680174	13680184	4000 K	Opal	Switchable	5,400 lm	108 lm/W	50 W
	13690163	13690173	13690183	3000 K	Opal	DALI	5,186 lm	103 lm/W	50 W
	13690164	13690174	13690184	4000 K	Opal	DALI	5,400 lm	108 lm/W	50 W
750 mm	13681163	13681173	13681183	3000 K	Opal	Switchable	7,328 lm	104 lm/W	70 W
	13681164	13681174	13681184	4000 K	Opal	Switchable	7,630 lm	109 lm/W	70 W
	13691163	13691173	13691183	3000 K	Opal	DALI	7,328 lm	104 lm/W	70 W
	13691164	13691174	13691184	4000 K	Opal	DALI	7,630 lm	109 lm/W	70 W
1,000 mm	13682163	13682173	13682183	3000 K	Opal	Switchable	13,925 lm	111 lm/W	125 W
	13682164	13682174	13682184	4000 K	Opal	Switchable	14,500 lm	116 lm/W	125 W
	13692163	13692173	13692183	3000 K	Opal	DALI	13,925 lm	111 lm/W	125 W
	13692164	13692174	13692184	4000 K	Opal	DALI	14,500 lm	116 lm/W	125 W
1,200 mm	13683163	13683173	13683183	3000 K	Opal	Switchable	19,650 lm	112 lm/W	175 W
	13683164	13683174	13683184	4000 K	Opal	Switchable	20,475 lm	117 lm/W	175 W
	13693163	13693173	13693183	3000 K	Opal	DALI	19,650 lm	112 lm/W	175 W
	13693164	13693174	13693184	4000 K	Opal	DALI	20,475 lm	117 lm/W	175 W



These items are subject to discount group 2.

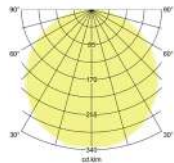


Height 100 mm

BIRO CIRCLE suspension surface luminaire, direct

Illuminants: LED, input voltage: 220 - 240 V AC, 50 - 60 Hz,
color rendering: CRI > 80, cover: PC, opal,
Material: Aluminum / Steel / Plastic, suspension length: 5,000 mm,
Delivery: ø 450 mm to ø 1,200 mm
incl. decentralized canopy
(central canopy on request)

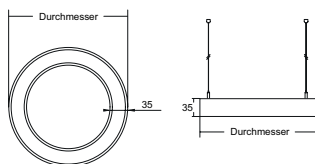
Service life:
L90/B10, 74,000 hrs (ta: +25 °C)



Diameter	Item no. structural silver	Item no. structural white	Item no. structural black	Color temperature	Cover	Control	Luminous flux	System efficiency	System power
450 mm	13605163	13605173	13605183	3000 K	Opal	Switchable	2,450 lm	98 lm/W	25 W
	13605164	13605174	13605184	4000 K	Opal	Switchable	2,550 lm	102 lm/W	25 W
	13615163	13615173	13615183	3000 K	Opal	DALI	2,450 lm	98 lm/W	25 W
	13615164	13615174	13615184	4000 K	Opal	DALI	2,550 lm	102 lm/W	25 W
600 mm	13600163	13600173	13600183	3000 K	Opal	Switchable	5,186 lm	103 lm/W	50 W
	13600164	13600174	13600184	4000 K	Opal	Switchable	5,400 lm	108 lm/W	50 W
	13610163	13610173	13610183	3000 K	Opal	DALI	5,186 lm	103 lm/W	50 W
	13610164	13610174	13610184	4000 K	Opal	DALI	5,400 lm	108 lm/W	50 W
750 mm	13601163	13601173	13601183	3000 K	Opal	Switchable	7,328 lm	104 lm/W	70 W
	13601164	13601174	13601184	4000 K	Opal	Switchable	7,630 lm	109 lm/W	70 W
	13611163	13611173	13611183	3000 K	Opal	DALI	7,328 lm	104 lm/W	70 W
	13611164	13611174	13611184	4000 K	Opal	DALI	7,630 lm	109 lm/W	70 W
1,000 mm	13602163	13602173	13602183	3000 K	Opal	Switchable	13,925 lm	111 lm/W	125 W
	13602164	13602174	13602184	4000 K	Opal	Switchable	14,500 lm	116 lm/W	125 W
	13612163	13612173	13612183	3000 K	Opal	DALI	13,925 lm	111 lm/W	125 W
	13612164	13612174	13612184	4000 K	Opal	DALI	14,500 lm	116 lm/W	125 W
1,200 mm	13603163	13603173	13603183	3000 K	Opal	Switchable	19,650 lm	112 lm/W	175 W
	13603164	13603174	13603184	4000 K	Opal	Switchable	20,475 lm	117 lm/W	175 W
	13613163	13613173	13613183	3000 K	Opal	DALI	19,650 lm	112 lm/W	175 W
	13613164	13613174	13613184	4000 K	Opal	DALI	20,475 lm	117 lm/W	175 W



These items are subject to discount group 2.



Height 35 mm

BIRO CIRCLE suspended ring light, direct

NEW

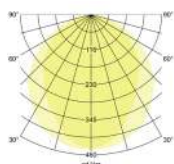
Illuminants: LED, input voltage: 220 - 240 V AC, 50 - 60 Hz,
color rendering: CRI > 80, cover: PC, opal,
Material: Aluminum / Steel / Plastic, suspension length: 5,000 mm

Delivery:

incl. central canopy

Service life:

L90/B10, 74,000 hrs (ta: +25 °C)

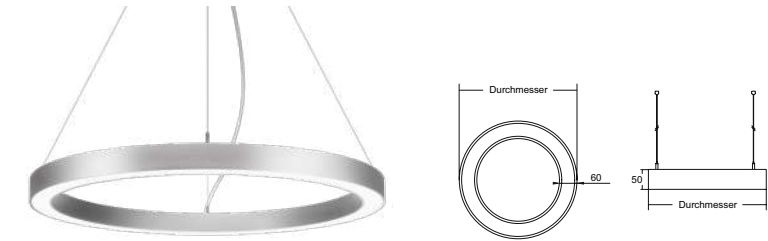


Diameter	Item no. structural silver	Item no. structural white	Item no. structural black	Color temperature	Cover	Control	Luminous flux	System efficiency	System power
450 mm	13925163	13925173	13925183	3000 K	Opal	Switchable	3,344 lm	101 lm/W	30 W
	13925164	13925174	13925184	4000 K	Opal	Switchable	3,525 lm	106 lm/W	30 W
	13935163	13935173	13935183	3000 K	Opal	DALI	3,344 lm	101 lm/W	30 W
	13935164	13935174	13935184	4000 K	Opal	DALI	3,525 lm	106 lm/W	30 W
600 mm	13920163	13920173	13920183	3000 K	Opal	Switchable	4,459 lm	101 lm/W	40 W
	13920164	13920174	13920184	4000 K	Opal	Switchable	4,700 lm	106 lm/W	40 W
	13930163	13930173	13930183	3000 K	Opal	DALI	4,459 lm	101 lm/W	40 W
	13930164	13930174	13930184	4000 K	Opal	DALI	4,700 lm	106 lm/W	40 W
750 mm	13921163	13921173	13921183	3000 K	Opal	Switchable	5,573 lm	101 lm/W	50 W
	13921164	13921174	13921184	4000 K	Opal	Switchable	5,884 lm	106 lm/W	50 W
	13931163	13931173	13931183	3000 K	Opal	DALI	5,573 lm	101 lm/W	50 W
	13931164	13931174	13931184	4000 K	Opal	DALI	5,884 lm	106 lm/W	50 W
1,000 mm	13922163	13922173	13922183	3000 K	Opal	Switchable	7,431 lm	103 lm/W	65 W
	13922164	13922174	13922184	4000 K	Opal	Switchable	7,835 lm	109 lm/W	65 W
	13932163	13932173	13932183	3000 K	Opal	DALI	7,431 lm	103 lm/W	65 W
	13932164	13932174	13932184	4000 K	Opal	DALI	7,835 lm	109 lm/W	65 W
1,200 mm	13923163	13923173	13923183	3000 K	Opal	Switchable	8,918 lm	103 lm/W	78 W
	13923164	13923174	13923184	4000 K	Opal	Switchable	9,401 lm	109 lm/W	78 W
	13933163	13933173	13933183	3000 K	Opal	DALI	8,918 lm	103 lm/W	78 W
	13933164	13933174	13933184	4000 K	Opal	DALI	9,401 lm	109 lm/W	78 W



Also available in: TunableWhite & Casambi

These items are subject to discount group 2.



Height 50 mm

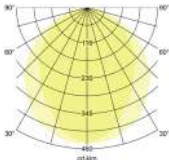
BIRO CIRCLE suspended ring light, direct



Illuminants: LED, input voltage: 220 - 240 V AC, 50 - 60 Hz,
color rendering: CRI > 80, cover: PC, opal,
Material: Aluminum / Steel / Plastic, suspension length: 5,000 mm

Delivery:
incl. central canopy

Service life:
L90/B10, 74,000 hrs. (ta: +25 °C)

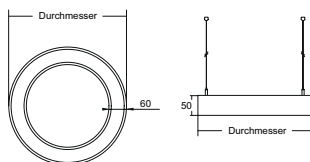


Diameter	Item no. structural silver	Item no. struc- tural white	Item no. struc- tural black	Color temperature	Cover	Control	Luminous flux	System efficiency	System power
450 mm	13825163	13825173	13825183	3000 K	Opal	Switchable	3,017 lm	101 lm/W	30 W
	13825164	13825174	13825184	4000 K	Opal	Switchable	3,181 lm	106 lm/W	30 W
	13835163	13835173	13835183	3000 K	Opal	DALI	3,017 lm	101 lm/W	30 W
	13835164	13835174	13835184	4000 K	Opal	DALI	3,181 lm	106 lm/W	30 W
600 mm	13820163	13820173	13820183	3000 K	Opal	Switchable	4,023 lm	101 lm/W	40 W
	13820164	13820174	13820184	4000 K	Opal	Switchable	4,241 lm	106 lm/W	40 W
	13830163	13830173	13830183	3000 K	Opal	DALI	4,023 lm	101 lm/W	40 W
	13830164	13830174	13830184	4000 K	Opal	DALI	4,241 lm	106 lm/W	40 W
750 mm	13821163	13821173	13821183	3000 K	Opal	Switchable	5,028 lm	103 lm/W	50 W
	13821164	13821174	13821184	4000 K	Opal	Switchable	5,309 lm	109 lm/W	50 W
	13831163	13831173	13831183	3000 K	Opal	DALI	5,028 lm	103 lm/W	50 W
	13831164	13831174	13831184	4000 K	Opal	DALI	5,309 lm	109 lm/W	50 W
1,000 mm	13822163	13822173	13822183	3000 K	Opal	Switchable	6,705 lm	103 lm/W	65 W
	13822164	13822174	13822184	4000 K	Opal	Switchable	7,069 lm	109 lm/W	65 W
	13832163	13832173	13832183	3000 K	Opal	DALI	6,705 lm	103 lm/W	65 W
	13832164	13832174	13832184	4000 K	Opal	DALI	7,069 lm	109 lm/W	65 W
1,200 mm	13823163	13823173	13823183	3000 K	Opal	Switchable	8,046 lm	103 lm/W	78 W
	13823164	13823174	13823184	4000 K	Opal	Switchable	8,482 lm	109 lm/W	78 W
	13833163	13833173	13833183	3000 K	Opal	DALI	8,046 lm	103 lm/W	78 W
	13833164	13833174	13833184	4000 K	Opal	DALI	8,482 lm	109 lm/W	78 W
1,500 mm	13824163	13824173	13824183	3000 K	Opal	Switchable	10,058 lm	103 lm/W	98 W
	13824164	13824174	13824184	4000 K	Opal	Switchable	10,603 lm	108 lm/W	98 W
	13834163	13834173	13834183	3000 K	Opal	DALI	10,058 lm	103 lm/W	98 W
	13834164	13834174	13834184	4000 K	Opal	DALI	10,603 lm	108 lm/W	98 W
1,800 mm	13827163	13827173	13827183	3000 K	Opal	Switchable	12,293 lm	102 lm/W	120 W
	13827164	13827174	13827184	4000 K	Opal	Switchable	12,960 lm	108 lm/W	120 W
	13837163	13837173	13837183	3000 K	Opal	DALI	12,293 lm	102 lm/W	120 W
	13837164	13837174	13837184	4000 K	Opal	DALI	12,960 lm	108 lm/W	120 W
2,000 mm	13826163	13826173	13826183	3000 K	Opal	Switchable	13,536 lm	101 lm/W	134 W
	13826164	13826174	13826184	4000 K	Opal	Switchable	14,270 lm	106 lm/W	134 W
	13836163	13836173	13836183	3000 K	Opal	DALI	13,536 lm	101 lm/W	134 W
	13836164	13836174	13836184	4000 K	Opal	DALI	14,270 lm	106 lm/W	134 W



Also available in: TunableWhite & Casambi

These items are subject to discount group 2.



Height 50 mm

BIRO CIRCLE suspension ring luminaire, direct/indirect

NEW

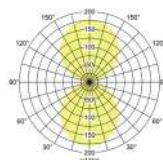
Illuminants: LED, input voltage: 220 - 240 V AC, 50 - 60 Hz,
color rendering: CRI > 80, cover: PC, opal, luminous flux percentage
(direct/indirect in %): 70/30, Material: Aluminum / Steel / Plastic,
suspension length: 5,000 mm

Delivery:

incl. central canopy

Service life:

L90/B10, 74,000 hrs. (ta: +25 °C)



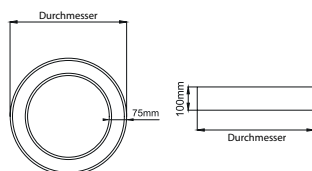
Diameter	Item no. structural silver	Item no. structural white	Item no. structural black	Color temperature	Cover	Control	Luminous flux	System efficiency	System power
450 mm	13845163	13845173	13845183	3000 K	Opal	Switchable	5,193 lm	115 lm/W	45 W
	13845164	13845174	13845184	4000 K	Opal	Switchable	5,475 lm	122 lm/W	45 W
	13855163	13855173	13855183	3000 K	Opal	DALI	5,193 lm	115 lm/W	45 W
	13855164	13855174	13855184	4000 K	Opal	DALI	5,475 lm	122 lm/W	45 W
600 mm	13840163	13840173	13840183	3000 K	Opal	Switchable	6,924 lm	115 lm/W	60 W
	13840164	13840174	13840184	4000 K	Opal	Switchable	7,300 lm	122 lm/W	60 W
	13850163	13850173	13850183	3000 K	Opal	DALI	6,924 lm	115 lm/W	60 W
	13850164	13850174	13850184	4000 K	Opal	DALI	7,300 lm	122 lm/W	60 W
750 mm	13841163	13841173	13841183	3000 K	Opal	Switchable	8,656 lm	115 lm/W	75 W
	13841164	13841174	13841184	4000 K	Opal	Switchable	9,134 lm	122 lm/W	75 W
	13851163	13851173	13851183	3000 K	Opal	DALI	8,656 lm	115 lm/W	75 W
	13851164	13851174	13851184	4000 K	Opal	DALI	9,134 lm	122 lm/W	75 W
1,000 mm	13842163	13842173	13842183	3000 K	Opal	Switchable	11,541 lm	118 lm/W	98 W
	13842164	13842174	13842184	4000 K	Opal	Switchable	12,169 lm	124 lm/W	98 W
	13852163	13852173	13852183	3000 K	Opal	DALI	11,541 lm	118 lm/W	98 W
	13852164	13852174	13852184	4000 K	Opal	DALI	12,169 lm	124 lm/W	98 W
1,200 mm	13843163	13843173	13843183	3000 K	Opal	Switchable	13,850 lm	118 lm/W	117 W
	13843164	13843174	13843184	4000 K	Opal	Switchable	14,602 lm	125 lm/W	117 W
	13853163	13853173	13853183	3000 K	Opal	DALI	13,850 lm	118 lm/W	117 W
	13853164	13853174	13853184	4000 K	Opal	DALI	14,602 lm	125 lm/W	117 W
1,500 mm	13844163	13844173	13844183	3000 K	Opal	Switchable	17,314 lm	118 lm/W	147 W
	13844164	13844174	13844184	4000 K	Opal	Switchable	18,253 lm	124 lm/W	147 W
	13854163	13854173	13854183	3000 K	Opal	DALI	17,314 lm	118 lm/W	147 W
	13854164	13854174	13854184	4000 K	Opal	DALI	18,253 lm	124 lm/W	147 W
1,800 mm	13847163	13847173	13847183	3000 K	Opal	Switchable	21,052 lm	117 lm/W	180 W
	13847164	13847174	13847184	4000 K	Opal	Switchable	22,228 lm	123 lm/W	180 W
	13857163	13857173	13857183	3000 K	Opal	DALI	21,052 lm	117 lm/W	180 W
	13857164	13857174	13857184	4000 K	Opal	DALI	22,228 lm	123 lm/W	180 W
2,000 mm	13846163	13846173	13846183	3000 K	Opal	Switchable	23,225 lm	116 lm/W	201 W
	13846164	13846174	13846184	4000 K	Opal	Switchable	24,484 lm	122 lm/W	201 W
	13856163	13856173	13856183	3000 K	Opal	DALI	23,225 lm	116 lm/W	201 W
	13856164	13856174	13856184	4000 K	Opal	DALI	24,484 lm	122 lm/W	201 W



Also available in: TunableWhite, RGBW & Casambi

These items are subject to discount group 2.

Sizes in mm | All specified prices are non-binding recommended retail prices (RRP) in euros excluding VAT.
Errors subject to change. | Orders are subject to our General Terms and Conditions of Sale printed from page 250 onwards.



Illuminants: LED, input voltage: 220 - 240 V AC, 50 - 60 Hz,
color rendering: CRI > 80, cover: PC, opal,
Material: Aluminum / Steel / Plastic

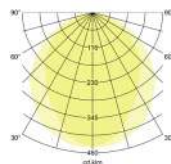
Service life:

L90/B10, 74,000 hrs. (ta: +25 °C)

Height 100 mm

BIRO CIRCLE surface-mounted ring luminaire, direct

NEW



Diameter	Item no. structural silver	Item no. structural white	Item no. structural black	Color temperature	Cover	Control	Luminous flux	System efficiency	System power
450 mm	13565163	13565173	13565183	3000 K	Opal	Switchable	3,017 lm	100 lm/W	30 W
	13565164	13565174	13565184	4000 K	Opal	Switchable	3,181 lm	106 lm/W	30 W
	13575163	13575173	13575183	3000 K	Opal	DALI	3,017 lm	100 lm/W	30 W
	13575164	13575174	13575184	4000 K	Opal	DALI	3,181 lm	106 lm/W	30 W
600 mm	13560163	13560173	13560183	3000 K	Opal	Switchable	4,023 lm	100 lm/W	40 W
	13560164	13560174	13560184	4000 K	Opal	Switchable	4,241 lm	106 lm/W	40 W
	13570163	13570173	13570183	3000 K	Opal	DALI	4,023 lm	100 lm/W	40 W
	13570164	13570174	13570184	4000 K	Opal	DALI	4,241 lm	106 lm/W	40 W
750 mm	13561163	13561173	13561183	3000 K	Opal	Switchable	5,028 lm	100 lm/W	50 W
	13561164	13561174	13561184	4000 K	Opal	Switchable	5,309 lm	106 lm/W	50 W
	13571163	13571173	13571183	3000 K	Opal	DALI	5,028 lm	100 lm/W	50 W
	13571164	13571174	13571184	4000 K	Opal	DALI	5,309 lm	106 lm/W	50 W
1,000 mm	13562163	13562173	13562183	3000 K	Opal	Switchable	6,705 lm	103 lm/W	65 W
	13562164	13562174	13562184	4000 K	Opal	Switchable	7,069 lm	108 lm/W	65 W
	13572163	13572173	13572183	3000 K	Opal	DALI	6,705 lm	103 lm/W	65 W
	13572164	13572174	13572184	4000 K	Opal	DALI	7,069 lm	108 lm/W	65 W
1,200 mm	13563163	13563173	13563183	3000 K	Opal	Switchable	8,046 lm	103 lm/W	78 W
	13563164	13563174	13563184	4000 K	Opal	Switchable	8,482 lm	109 lm/W	78 W
	13573163	13573173	13573183	3000 K	Opal	DALI	8,046 lm	103 lm/W	78 W
	13573164	13573174	13573184	4000 K	Opal	DALI	8,482 lm	109 lm/W	78 W
1,500 mm	13564163	13564173	13564183	3000 K	Opal	Switchable	10,058 lm	102 lm/W	98 W
	13564164	13564174	13564184	4000 K	Opal	Switchable	10,603 lm	108 lm/W	98 W
	13574163	13574173	13574183	3000 K	Opal	DALI	10,058 lm	102 lm/W	98 W
	13574164	13574174	13574184	4000 K	Opal	DALI	10,603 lm	108 lm/W	98 W
1,800 mm	13567163	13567173	13567183	3000 K	Opal	Switchable	12,293 lm	102 lm/W	120 W
	13567164	13567174	13567184	4000 K	Opal	Switchable	12,960 lm	108 lm/W	120 W
	13577163	13577173	13577183	3000 K	Opal	DALI	12,293 lm	102 lm/W	120 W
	13577164	13577174	13577184	4000 K	Opal	DALI	12,960 lm	108 lm/W	120 W
2,000 mm	13566163	13566173	13566183	3000 K	Opal	Switchable	13,536 lm	101 lm/W	134 W
	13566164	13566174	13566184	4000 K	Opal	Switchable	14,270 lm	106 lm/W	134 W
	13576163	13576173	13576183	3000 K	Opal	DALI	13,536 lm	101 lm/W	134 W
	13576164	13576174	13576184	4000 K	Opal	DALI	14,270 lm	106 lm/W	134 W
2,500 mm	13568163	13568173	13568183	3000 K	Opal	Switchable	16,885 lm	102 lm/W	166 W
	13568164	13568174	13568184	4000 K	Opal	Switchable	17,800 lm	107 lm/W	166 W
	13578163	13578173	13578183	3000 K	Opal	DALI	16,885 lm	102 lm/W	166 W
	13578164	13578174	13578184	4000 K	Opal	DALI	17,800 lm	107 lm/W	166 W

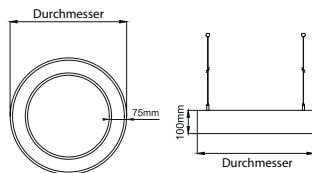


These items are subject to discount group 2.

Also available in:

ø 600 mm: in Casambi

ø 750 mm - 2,500 mm: in TunableWhite & Casambi



Height 100 mm

BIRO CIRCLE pendant ring luminaire, direct

NEW

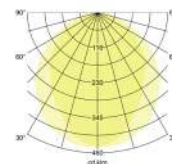
Illuminants: LED, input voltage: 220 - 240 V AC, 50 - 60 Hz, color rendering: CRI > 80, cover: PC, opal, Material: Aluminum / Steel / Plastic, suspension length: 5,000 mm

Delivery:

ø 450 mm incl. central canopy,
ø 600 mm to ø 2,500 mm incl. decentralized canopy
(central canopy on request)

Service life:

L90/B10, 74,000 hrs. (ta: +25 °C)



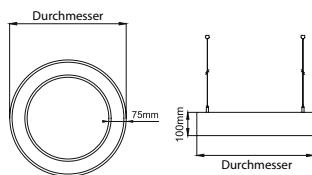
Diameter	Item no. structural silver	Item no. structural white	Item no. structural black	Color temperature	Cover	Control	Luminous flux	System efficiency	System power
450 mm	13525163	13525173	13525183	3000 K	Opal	Switchable	3,017 lm	100 lm/W	30 W
	13525164	13525174	13525184	4000 K	Opal	Switchable	3,181 lm	106 lm/W	30 W
	13535163	13535173	13535183	3000 K	Opal	DALI	3,017 lm	100 lm/W	30 W
	13535164	13535174	13535184	4000 K	Opal	DALI	3,181 lm	106 lm/W	30 W
600 mm	13520163	13520173	13520183	3000 K	Opal	Switchable	4,023 lm	100 lm/W	40 W
	13520164	13520174	13520184	4000 K	Opal	Switchable	4,241 lm	106 lm/W	40 W
	13530163	13530173	13530183	3000 K	Opal	DALI	4,023 lm	100 lm/W	40 W
	13530164	13530174	13530184	4000 K	Opal	DALI	4,241 lm	106 lm/W	40 W
750 mm	13521163	13521173	13521183	3000 K	Opal	Switchable	5,028 lm	100 lm/W	50 W
	13521164	13521174	13521184	4000 K	Opal	Switchable	5,309 lm	106 lm/W	50 W
	13531163	13531173	13531183	3000 K	Opal	DALI	5,028 lm	100 lm/W	50 W
	13531164	13531174	13531184	4000 K	Opal	DALI	5,309 lm	106 lm/W	50 W
1,000 mm	13522163	13522173	13522183	3000 K	Opal	Switchable	6,705 lm	103 lm/W	65 W
	13522164	13522174	13522184	4000 K	Opal	Switchable	7,069 lm	108 lm/W	65 W
	13532163	13532173	13532183	3000 K	Opal	DALI	6,705 lm	103 lm/W	65 W
	13532164	13532174	13532184	4000 K	Opal	DALI	7,069 lm	108 lm/W	65 W
1,200 mm	13523163	13523173	13523183	3000 K	Opal	Switchable	8,046 lm	103 lm/W	78 W
	13523164	13523174	13523184	4000 K	Opal	Switchable	8,482 lm	109 lm/W	78 W
	13533163	13533173	13533183	3000 K	Opal	DALI	8,046 lm	103 lm/W	78 W
	13533164	13533174	13533184	4000 K	Opal	DALI	8,482 lm	109 lm/W	78 W
1,500 mm	13524163	13524173	13524183	3000 K	Opal	Switchable	10,058 lm	102 lm/W	98 W
	13524164	13524174	13524184	4000 K	Opal	Switchable	10,603 lm	108 lm/W	98 W
	13534163	13534173	13534183	3000 K	Opal	DALI	10,058 lm	102 lm/W	98 W
	13534164	13534174	13534184	4000 K	Opal	DALI	10,603 lm	108 lm/W	98 W
1,800 mm	13527163	13527173	13527183	3000 K	Opal	Switchable	12,293 lm	102 lm/W	120 W
	13527164	13527174	13527184	4000 K	Opal	Switchable	12,960 lm	108 lm/W	120 W
	13537163	13537173	13537183	3000 K	Opal	DALI	12,293 lm	102 lm/W	120 W
	13537164	13537174	13537184	4000 K	Opal	DALI	12,960 lm	108 lm/W	120 W
2,000 mm	13526163	13526173	13526183	3000 K	Opal	Switchable	13,536 lm	101 lm/W	134 W
	13526164	13526174	13526184	4000 K	Opal	Switchable	14,270 lm	106 lm/W	134 W
	13536163	13536173	13536183	3000 K	Opal	DALI	13,536 lm	101 lm/W	134 W
	13536164	13536174	13536184	4000 K	Opal	DALI	14,270 lm	106 lm/W	134 W
2,500 mm	13528163	13528173	13528183	3000 K	Opal	Switchable	16,885 lm	102 lm/W	166 W
	13528164	13528174	13528184	4000 K	Opal	Switchable	17,800 lm	107 lm/W	166 W
	13538163	13538173	13538183	3000 K	Opal	DALI	16,885 lm	102 lm/W	166 W
	13538164	13538174	13538184	4000 K	Opal	DALI	17,800 lm	107 lm/W	166 W



Also available in: TunableWhite & Casambi

These items are subject to discount group 2.

Sizes in mm | All specified prices are non-binding recommended retail prices (RRP) in euros excluding VAT.
Errors subject to change. | Orders are subject to our General Terms and Conditions of Sale printed from page 250 onwards.



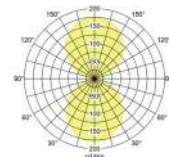
Illuminants: LED, input voltage: 220 - 240 V AC, 50 - 60 Hz,
color rendering: CRI > 80, cover: PC, opal,
Material: Aluminum / Steel / Plastic,
suspension length: 5,000 mm

Delivery:

ø 450 mm incl. central canopy
ø 600 mm to ø 2,500 mm incl. decentralized canopy
(central canopy on request)

Service life:

L90/B10, 74,000 hrs. (ta: +25 °C)



Height 100 mm

BIRO CIRCLE pendant ring luminaire, direct/indirect

NEW

Diameter	Item no. structural silver	Item no. structural white	Item no. structural black	Color temperature	Cover	Control	Luminous flux	System efficiency	System power
450 mm	13545163	13545173	13545183	3000 K	Opal	Switchable	4,609 lm	102 lm/W	45 W
	13545164	13545174	13545184	4000 K	Opal	Switchable	4,860 lm	108 lm/W	45 W
	13555163	13555173	13555183	3000 K	Opal	DALI	4,609 lm	102 lm/W	45 W
	13555164	13555174	13555184	4000 K	Opal	DALI	4,860 lm	108 lm/W	45 W
600 mm	13540163	13540173	13540183	3000 K	Opal	Switchable	6,145 lm	102 lm/W	60 W
	13540164	13540174	13540184	4000 K	Opal	Switchable	6,480 lm	108 lm/W	60 W
	13550163	13550173	13550183	3000 K	Opal	DALI	6,145 lm	102 lm/W	60 W
	13550164	13550174	13550184	4000 K	Opal	DALI	6,480 lm	108 lm/W	60 W
750 mm	13541163	13541173	13541183	3000 K	Opal	Switchable	7,683 lm	102 lm/W	75 W
	13541164	13541174	13541184	4000 K	Opal	Switchable	8,100 lm	108 lm/W	75 W
	13551163	13551173	13551183	3000 K	Opal	DALI	7,683 lm	102 lm/W	75 W
	13551164	13551174	13551184	4000 K	Opal	DALI	8,100 lm	108 lm/W	75 W
1,000 mm	13542163	13542173	13542183	3000 K	Opal	Switchable	10,214 lm	104 lm/W	98 W
	13542164	13542174	13542184	4000 K	Opal	Switchable	10,769 lm	110 lm/W	98 W
	13552163	13552173	13552183	3000 K	Opal	DALI	10,214 lm	104 lm/W	98 W
	13552164	13552174	13552184	4000 K	Opal	DALI	10,769 lm	110 lm/W	98 W
1,200 mm	13543163	13543173	13543183	3000 K	Opal	Switchable	12,234 lm	104 lm/W	117 W
	13543164	13543174	13543184	4000 K	Opal	Switchable	12,900 lm	110 lm/W	117 W
	13553163	13553173	13553183	3000 K	Opal	DALI	12,234 lm	104 lm/W	117 W
	13553164	13553174	13553184	4000 K	Opal	DALI	12,900 lm	110 lm/W	117 W
1,500 mm	13544163	13544173	13544183	3000 K	Opal	Switchable	15,365 lm	104 lm/W	147 W
	13544164	13544174	13544184	4000 K	Opal	Switchable	16,199 lm	110 lm/W	147 W
	13554163	13554173	13554183	3000 K	Opal	DALI	15,365 lm	104 lm/W	147 W
	13554164	13554174	13554184	4000 K	Opal	DALI	16,199 lm	110 lm/W	147 W
1,800 mm	13547163	13547173	13547183	3000 K	Opal	Switchable	18,589 lm	103 lm/W	180 W
	13547164	13547174	13547184	4000 K	Opal	Switchable	19,597 lm	108 lm/W	180 W
	13557163	13557173	13557183	3000 K	Opal	DALI	18,589 lm	103 lm/W	180 W
	13557164	13557174	13557184	4000 K	Opal	DALI	19,597 lm	108 lm/W	180 W
2,000 mm	13546163	13546173	13546183	3000 K	Opal	Switchable	20,488 lm	102 lm/W	201 W
	13546164	13546174	13546184	4000 K	Opal	Switchable	21,600 lm	107 lm/W	201 W
	13556163	13556173	13556183	3000 K	Opal	DALI	20,488 lm	102 lm/W	201 W
	13556164	13556174	13556184	4000 K	Opal	DALI	21,600 lm	107 lm/W	201 W
2,500 mm	13548163	13548173	13548183	3000 K	Opal	Switchable	25,374 lm	102 lm/W	249 W
	13548164	13548174	13548184	4000 K	Opal	Switchable	26,850 lm	108 lm/W	249 W
	13558163	13558173	13558183	3000 K	Opal	DALI	25,374 lm	102 lm/W	249 W
	13558164	13558174	13558184	4000 K	Opal	DALI	26,850 lm	108 lm/W	249 W



Also available in: TunableWhite, RGBW & Casambi

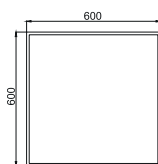
These items are subject to discount group 2.

Sizes in mm | All specified prices are non-binding recommended retail prices (RRP) in euros excluding VAT.
Errors subject to change. | Orders are subject to our General Terms and Conditions of Sale printed from page 250 onwards.



Bücher Tower, Rottweil





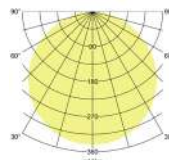
Height 100 mm

BIRO SQUARE surface-mounted luminaire 600 x 600 mm, direct

Illuminants: LED, input voltage: 220 - 240 V AC, 50 - 60 Hz, color rendering: CRI > 80, power: 44 W, cover: PMMA, opal, material: Aluminum / Plastic

Service life:

L90/B10, 74,000 hrs. (ta: +25 °C)

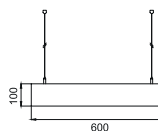
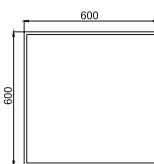
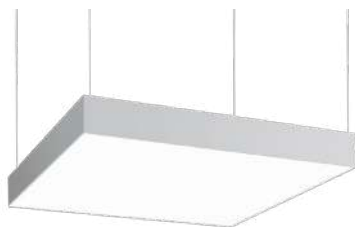


Item no. structural silver	Item no. structural white	Item no. structural black	Color temperature	Cover	Control	Luminous flux	System efficiency
13700163	13700173	13700183	3000 K	Opal	Switchable	5,240 lm	119 lm/W
13700164	13700174	13700184	4000 K	Opal	Switchable	5,456 lm	124 lm/W
13710163	13710173	13710183	3000 K	Opal	DALI	5,240 lm	119 lm/W
13710164	13710174	13710184	4000 K	Opal	DALI	5,456 lm	124 lm/W



Also available on request in dimensions 300 x 300 mm (power: 12 W).

[These items are subject to discount group 2.](#)



Height 100 mm

BIRO SQUARE suspension luminaires 600 x 600 mm, direct

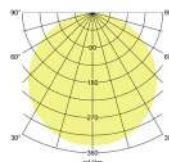
Illuminants: LED, input voltage: 220 - 240 V AC, 50 - 60 Hz, color rendering: CRI > 80, power: 44 W, cover: PMMA, opal, material: Aluminum / Plastic, Suspension length: 5,000 mm

Delivery:

incl. decentralized canopy (central canopy on request)

Service life:

L90/B10, 74,000 hrs. (ta: +25 °C)



Item no. struc- tural silver	Item no. struc- tural white	Item no. structural black	Color tem- perature	Cover	Control	Luminous flux	System efficiency
13720163	13720173	13720183	3000 K	Opal	Switchable	5,240 lm	119 lm/W
13720164	13720174	13720184	4000 K	Opal	Switchable	5,456 lm	124 lm/W
13730163	13730173	13730183	3000 K	Opal	DALI	5,240 lm	119 lm/W
13730164	13730174	13730184	4000 K	Opal	DALI	5,456 lm	124 lm/W



Also available on request in dimensions 300 x 300 mm (power: 12 W).

[These items are subject to discount group 2.](#)

1

Interior lighting





AGGY and OREN LED panel luminaires.

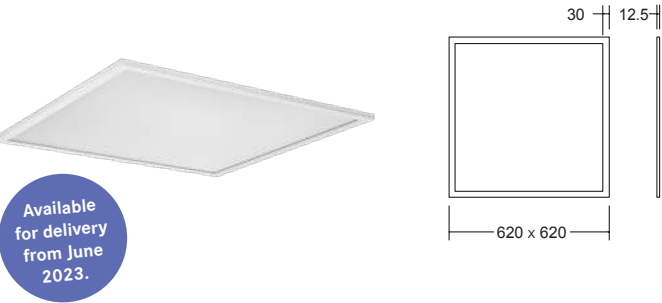
Square and rectangular recessed luminaires for ceiling systems with visible support profile M625 in:

- opal version (UGR < 22)
- microprismatic version (UGR < 19)

Making them ideal for **workplace lighting**. This glare rating (Unified Glare Rating) is instrumental in office spaces and ensures **glare-free activity at the VDU workstation**. The ultra-flat design not only makes it blend with the ceiling, but also allows for easy installation.

Key features of the products:

- CRI > 80.
- Protection class IP40.
- Flat design 12.5 mm.
- High operating efficiency 120 lm/W.
- Narrow edge and large light emission area.
- Accessories: different mounting frames
- When looking into the light surface, the light points are not obvious.



AGGY LED-Panel 620 x 620 mm

NEW

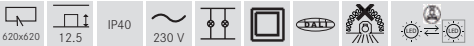
Set incl. converter for 230 V mains voltage

Illuminants: LED, color: white, dimensions: 620 x 620 mm,
input voltage: 220 - 240 V AC, 50 - 60 Hz, power: 34 W,
color rendering: CRI > 80, material: Aluminum / polystyrene

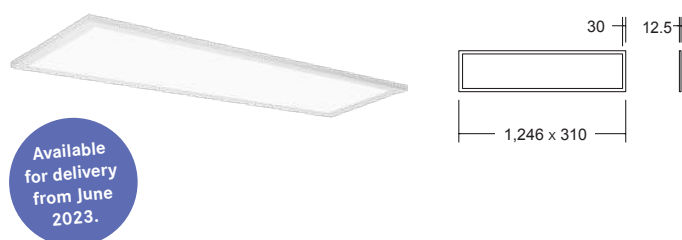
- Switchable: Delivery includes Philips Multilumen control gear,
dimensions: L 108 x W 68 x H 32 mm
- DALI-2: Delivery incl. Philips DALI-2 dimmable control gear,
dimensions: L 215 x W 50.5 x H 30 mm
- DALI (DT8): Supplied incl. DALI (DT8) TunableWhite dimmable
control gear, dimensions: L 126 x W 81 x H 31 mm

Service life:
L80/B20, > 50,000 hrs. (ta: +25 °C)

Item no.	Color temperature	Beam angle	Cover	UGR	Control
32245073	3000 K	85°	Microprism	< 19	Switchable
32245074	4000 K	85°	Microprism	< 19	Switchable
32246073	3000 K	115°	Opal	-	Switchable
32246074	4000 K	115°	Opal	-	Switchable
32247073	3000 K	85°	Microprism	< 19	DALI-2
32247074	4000 K	85°	Microprism	< 19	DALI-2
32248073	3000 K	115°	Opal	-	DALI-2
32248074	4000 K	115°	Opal	-	DALI-2
32249074	2700 K - 6000 K (TW)	115°	Opal		DALI (DT8)



These items are subject to discount group 2.



OREN LED-Panel 1,246 x 310 mm

NEW

Set incl. converter for 230 V mains voltage

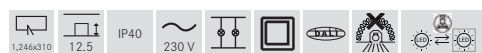
Illuminants: LED, color: white, dimensions: 1,246 x 310 mm,
input voltage: 220 - 240 V AC, 50 - 60 Hz, power: 34 W,
color rendering: CRI > 80, material: Aluminum / polystyrene

Switchable: Delivery includes Philips Multilumen control gear,
dimensions: L 108 x W 68 x H 32 mm
DALI-2: Delivery incl. Philips DALI-2 dimmable control gear,
dimensions: L 215 x W 50.5 x H 30 mm
DALI (DT8): Supplied incl. DALI (DT8) TunableWhite dimmable
control gear, dimensions: L 126 x W 81 x H 31 mm

Service life:

L80/B20, > 50,000 hrs. (ta: +25 °C)

Item no.	Color temperature	Beam angle	Cover	UGR	Control
32645073	3000 K	85°	Microprism	< 19	Switchable
32645074	4000 K	85°	Microprism	< 19	Switchable
32646073	3000 K	115°	Opal	-	Switchable
32646074	4000 K	115°	Opal	-	Switchable
32647073	3000 K	85°	Microprism	< 19	DALI-2
32647074	4000 K	85°	Microprism	< 19	DALI-2
32648073	3000 K	115°	Opal	-	DALI-2
32648074	4000 K	115°	Opal	-	DALI-2
32649074	2700 K - 6000 K (TW)	115°	Opal		DALI (DT8)



These items are subject to discount group 2.

Accessories for AGGY LED-Panels 620 x 620 mm



Mounting frame HomeMade, **NEW**
660 x 650 mm

Color: white, material: aluminum / plastic,
incl. 8 locking screws and 4 Mounting springs

Item no.	Height
81133070 NEW	30 mm

This item is subject to discount group 2.



Mounting frame HomeMade, **NEW**
638 x 638 mm

Color: white, material: Aluminum / plastic,
incl. 4 plastic corners, 8 locking screws,
8 screws and 8 dowels.

Item no.	Height
81132070 NEW	52 mm

This item is subject to discount group 2.

Accessories for OREN LED-Panels 1,246 x 310 mm



Mounting frame HomeMade, **NEW**
1,290 x 338 mm

Color: white, material: Aluminum / steel,
incl. 8 locking screws and 8 mounting springs

Item no.	Height
81135070 NEW	30 mm

This item is subject to discount group 2.



Mounting frame HomeMade, **NEW**
1,270 x 330 mm

Color: white, material: Aluminum / steel,
incl. 4 plastic corners, 8 locking screws,
10 screws and 10 dowels

Item no.	Height
81134070 NEW	52 mm

This item is subject to discount group 2.



1

Interior lighting





TRAXX lighting system.

The multifunctional lighting system for ceiling and wall mounting.

With the modular lighting system, complex lighting tasks can be solved in a design that is formally reduced to function. The versatile, energy-efficient LED spotlight system provides perfectly accentuated lighting. A variety of lighting solutions can be staged from a wide range of components.

Key features of the products:

- Consistently BEG-eligible due to high efficiencies.
- Modular lighting system.
- Consistently high color reproduction by default.
- Can be used regardless of installation situation.
- Formally coordinated product variants.
- High product variance in housing color and color temperature.
- Wide variety of beam angles.

TRAXX spotlight system.

A lighting system for flexible application.

Here's a quick configuration table:

LED track-mounted spotlights from page 58



Switchable								
	Beam angle		Color			Color temperature		
			Structural silver	Structural white	Structural black	3000 K	3500 K	4000 K
Micro 9,4 W	30°	88693	16	17	18	3	5	4
	40°	88694	16	17	18	3	5	4
	60°	88696	16	17	18	3	5	4
Mini 12,5 W	20°	88702	16	17	18	3	5	4
	40°	88704	16	17	18	3	5	4
	60°	88706	16	17	18	3	5	4
Midi 23 W	25°	88712	16	17	18	3	5	4
	30°	88713	16	17	18	3	5	4
	50°	88715	16	17	18	3	5	4
Maxi 31 W	20°	88722	16	17	18	3	5	4
	30°	88723	16	17	18	3	5	4
	40°	88724	16	17	18	3	5	4

LED semi-recessed spotlights from page 62



Switchable								
	Beam angle		Color			Color temperature		
			Structural silver	Structural white	Structural black	3000 K	3500 K	4000 K
Micro 9,4 W	30°	88773	16	17	18	3	5	4
	40°	88774	16	17	18	3	5	4
	60°	88776	16	17	18	3	5	4
Mini 12,5 W	20°	88782	16	17	18	3	5	4
	40°	88784	16	17	18	3	5	4
	60°	88786	16	17	18	3	5	4
Midi 23 W	25°	88792	16	17	18	3	5	4
	30°	88793	16	17	18	3	5	4
	50°	88795	16	17	18	3	5	4
Maxi 31 W	20°	88802	16	17	18	3	5	4
	30°	88803	16	17	18	3	5	4
	40°	88804	16	17	18	3	5	4

LED recessed spotlights from page 66



Switchable								
	Beam angle		Color			Color temperature		
			Structural silver	Structural white	Structural black	3000 K	3500 K	4000 K
Micro 6,8 W	30°	88733	16	17	18	3	5	4
	40°	88734	16	17	18	3	5	4
	60°	88736	16	17	18	3	5	4
Mini 12,5 W	20°	88742	16	17	18	3	5	4
	40°	88744	16	17	18	3	5	4
	60°	88746	16	17	18	3	5	4
Midi 19,5 W	25°	88752	16	17	18	3	5	4
	30°	88753	16	17	18	3	5	4
	50°	88755	16	17	18	3	5	4
Maxi 26,4 W	20°	88762	16	17	18	3	5	4
	30°	88763	16	17	18	3	5	4
	40°	88764	16	17	18	3	5	4

LED surface-mounted downlights from page 70

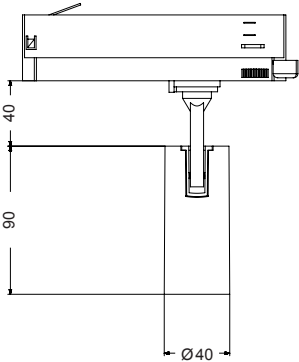


Switchable								
	Beam angle		Color			Color temperature		
			Structural silver	Structural white	Structural black	3000 K	3500 K	4000 K
Micro 6,8 W	30°	88813	16	17	18	3	5	4
	40°	88814	16	17	18	3	5	4
	60°	88816	16	17	18	3	5	4
Mini 12,5 W	20°	88822	16	17	18	3	5	4
	40°	88824	16	17	18	3	5	4
	60°	88826	16	17	18	3	5	4
Midi 19,5 W	25°	88832	16	17	18	3	5	4
	30°	88833	16	17	18	3	5	4
	50°	88835	16	17	18	3	5	4
Maxi 26,4 W	20°	88842	16	17	18	3	5	4
	30°	88843	16	17	18	3	5	4
	40°	88844	16	17	18	3	5	4

LED-suspension luminaires from page 74



Switchable								
	Beam angle		Color			Color temperature		
			Structural silver	Structural white	Structural black	3000 K	3500 K	4000 K
Micro 6,8 W	30°	88853	16	17	18	3	5	4
	40°	88854	16	17	18	3	5	4
	60°	88856	16	17	18	3	5	4
Mini 12,5 W	20°	88862	16	17	18	3	5	4
	40°	88864	16	17	18	3	5	4
	60°	88866	16	17	18	3	5	4
Midi 19,5 W	25°	88872	16	17	18	3	5	4
	30°	88873	16	17	18	3	5	4
	50°	88875	16	17	18	3	5	4
Maxi 26,4 W	20°	88882	16	17	18	3	5	4
	30°	88883	16	17	18	3	5	4
	40°	88884	16	17	18	3	5	4



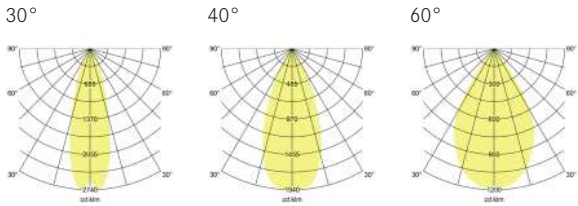
Available
for delivery
from January
2023.

TRAXX MICRO LED Track Spotlight

NEW

Illuminants: LED, incl. converter for 230 V mains voltage,
 power: 9.4 W, control: switchable, material: Aluminum / glass / plastic,
 delivery: incl. operating device, switchable.

Service life:
 L80/B50, 50,000 hrs. (ta: +25 °C)



Item no. structural silver	Item no. structural white	Item no. structural black	Beam angle	Color temperature	Luminous flux	Color rendering	System efficiency
88693163	88693173	88693183	30°	3000 K	1,238 lm	CRI > 90	132 lm / W
88693165	88693175	88693185	30°	3500 K	1,252 lm	CRI > 90	133 lm / W
88693164	88693174	88693184	30°	4000 K	1,267 lm	CRI > 90	135 lm / W
88694163	88694173	88694183	40°	3000 K	1,149 lm	CRI > 90	122 lm / W
88694165	88694175	88694185	40°	3500 K	1,074 lm	CRI > 90	114 lm / W
88694164	88694174	88694184	40°	4000 K	1,087 lm	CRI > 90	116 lm / W
88696163	88696173	88696183	60°	3000 K	1,062 lm	CRI > 90	113 lm / W
88696165	88696175	88696185	60°	3500 K	1,176 lm	CRI > 90	124 lm / W
88696164	88696174	88696184	60°	4000 K	1,162 lm	CRI > 90	125 lm / W

DALI variants available on request.



These items are subject to discount group 1.



Available
for delivery
from January
2023.

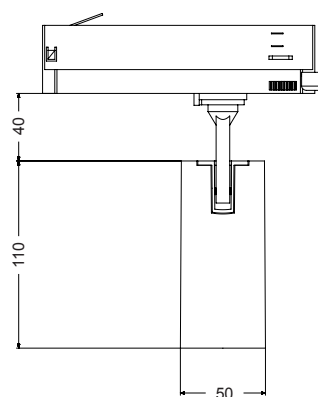
TRAXX MINI LED Track Spotlight

NEW

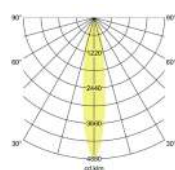
Illuminants: LED, incl. converter for 230 V mains voltage,
power: 12.5 W, control: switchable, material: Aluminum / glass / plastic,
delivery: incl. operating device, switchable.

Service life:

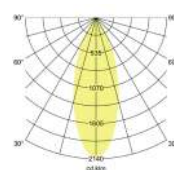
L80/B50, 50,000 hrs. (ta: +25 °C)



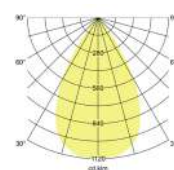
20°



40°



60°

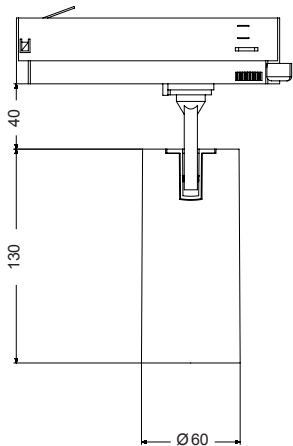


Item no. structural silver	Item no. structural white	Item no. structural black	Beam angle	Color temperature	Luminous flux	Color rendering	System efficiency
88702163	88702173	88702183	20°	3000 K	1,594 lm	CRI > 90	128 lm / W
88702165	88702175	88702185	20°	3500 K	1,612 lm	CRI > 90	129 lm / W
88702164	88702174	88702184	20°	4000 K	1,631 lm	CRI > 90	130 lm / W
88704163	88704173	88704183	40°	3000 K	1,509 lm	CRI > 90	121 lm / W
88704165	88704175	88704185	40°	3500 K	1,526 lm	CRI > 90	122 lm / W
88704164	88704174	88704184	40°	4000 K	1,544 lm	CRI > 90	124 lm / W
88706163	88706173	88706183	60°	3000 K	1,417 lm	CRI > 90	113 lm / W
88706165	88706175	88706185	60°	3500 K	1,433 lm	CRI > 90	115 lm / W
88706164	88706174	88706184	60°	4000 K	1,449 lm	CRI > 90	116 lm / W

DALI variants available on request.



These items are subject to discount group 1.

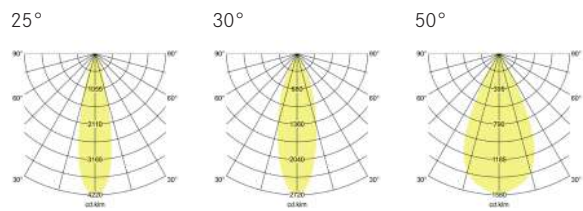


TRAXX MIDI LED Track Spotlight

NEW

Luminaire incl. Euro adapter for standard 3-phase rails,
 Illuminants: LED, incl. converter for 230 V mains voltage,
 power: 23 W, control: switchable, material: Aluminum / glass / plastic,
 delivery: incl. operating device, switchable.

Service life:
 L80/B50, 50,000 hrs. (ta: +25 °C)



Item no. structural silver	Item no. structural white	Item no. structural black	Beam angle	Color temperature	Luminous flux	Color rendering	System efficiency
88712163	88712173	88712183	25°	3000 K	2,928 lm	CRI > 90	127 lm / W
88712165	88712175	88712185	25°	3500 K	2,962 lm	CRI > 90	129 lm / W
88712164	88712174	88712184	25°	4000 K	2,996 lm	CRI > 90	130 lm / W
88713163	88713173	88713183	30°	3000 K	2,727 lm	CRI > 90	119 lm / W
88713165	88713175	88713185	30°	3500 K	2,759 lm	CRI > 90	120 lm / W
88713164	88713174	88713184	30°	4000 K	2,791 lm	CRI > 90	121 lm / W
88715163	88715173	88715183	50°	3000 K	2,940 lm	CRI > 90	128 lm / W
88715165	88715175	88715185	50°	3500 K	2,974 lm	CRI > 90	129 lm / W
88715164	88715174	88715184	50°	4000 K	3,009 lm	CRI > 90	131 lm / W

DALI variants available on request.



These items are subject to discount group 1.



Available
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from January
2023.

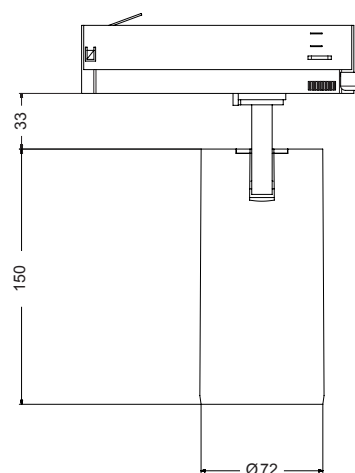
TRAXX MAXI LED Track Spotlight

NEW

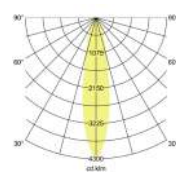
Luminaire incl. Euro adapter for standard 3-phase rails,
Illuminants: LED, incl. converter for 230 V mains voltage,
power: 31 W, control: switchable, material: Aluminum / glass / plastic,
delivery: incl. operating device, switchable.

Service life:

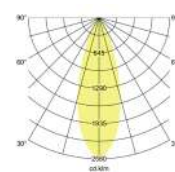
L80/B50, 50,000 hrs. (ta: +25 °C)



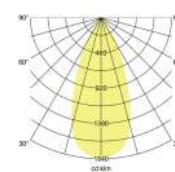
20°



30°



40°

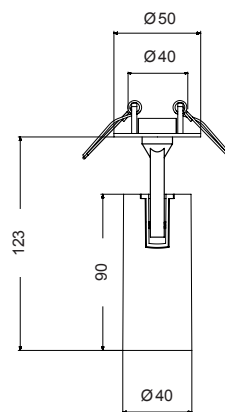


Item no. structural silver	Item no. structural white	Item no. structural black	Beam angle	Color temperature	Luminous flux	Color rendering	System efficiency
88722163	88722173	88722183	20°	3000 K	3,538 lm	CRI > 90	114 lm / W
88722165	88722175	88722185	20°	3500 K	3,580 lm	CRI > 90	115 lm / W
88722164	88722174	88722184	20°	4000 K	3,621 lm	CRI > 90	117 lm / W
88723163	88723173	88723183	30°	3000 K	3,805 lm	CRI > 90	123 lm / W
88723165	88723175	88723185	30°	3500 K	3,850 lm	CRI > 90	124 lm / W
88723164	88723174	88723184	30°	4000 K	3,894 lm	CRI > 90	126 lm / W
88724163	88724173	88724183	40°	3000 K	3,975 lm	CRI > 90	128 lm / W
88724165	88724175	88724185	40°	3500 K	4,022 lm	CRI > 90	130 lm / W
88724164	88724174	88724184	40°	4000 K	4,068 lm	CRI > 90	131 lm / W

DALI variants available on request.



These items are subject to discount group 1.



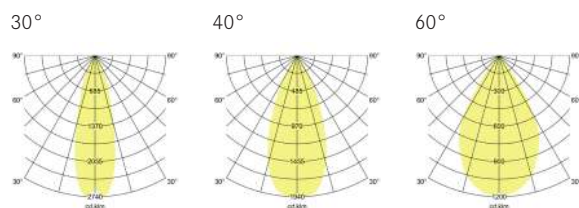
Available
for delivery
from January
2023.

TRAXX MICRO LED semi-recessed spotlight NEW

Luminaire incl. Euro adapter for standard 3-phase rails,
Illuminants: LED, incl. converter for 230 V mains voltage,
power: 9.4 W, control: switchable, material: Aluminum / glass / plastic,
delivery: incl. operating device, switchable.

Service life:

L80/B50, 50,000 hrs. (ta: +25 °C)



Item no. structural silver	Item no. structural white	Item no. structural black	Beam angle	Color temperature	Luminous flux	Color rendering	System efficiency
88773163	88773173	88773183	30°	3000 K	1,238 lm	CRI > 90	132 lm / W
88773165	88773175	88773185	30°	3500 K	1,252 lm	CRI > 90	133 lm / W
88773164	88773174	88773184	30°	4000 K	1,267 lm	CRI > 90	135 lm / W
88774163	88774173	88774183	40°	3000 K	1,149 lm	CRI > 90	122 lm / W
88774165	88774175	88774185	40°	3500 K	1,074 lm	CRI > 90	114 lm / W
88774164	88774174	88774184	40°	4000 K	1,087 lm	CRI > 90	116 lm / W
88776163	88776173	88776183	60°	3000 K	1,062 lm	CRI > 90	113 lm / W
88776165	88776175	88776185	60°	3500 K	1,162 lm	CRI > 90	124 lm / W
88776164	88776174	88776184	60°	4000 K	1,176 lm	CRI > 90	125 lm / W

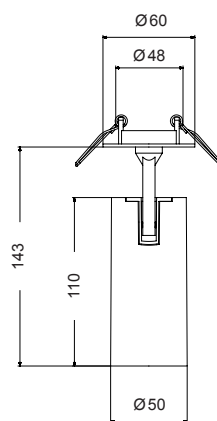
DALI variants available on request.



These items are subject to discount group 1.



Available
for delivery
from January
2023.



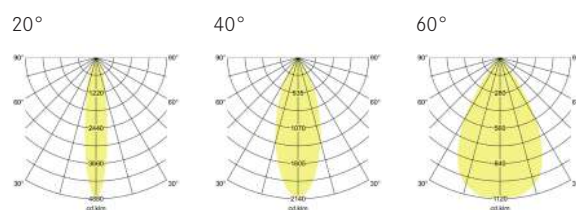
TRAXX MINI LED-semi-recessed spotlight

NEW

Luminaire incl. Euro adapter for standard 3-phase rails,
Illuminants: LED, incl. converter for 230 V mains voltage,
power: 12.5 W, control: switchable, material: Aluminum / glass / plastic,
delivery: incl. operating device, switchable.

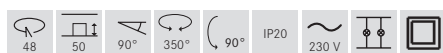
Service life:

L80/B50, 50,000 hrs. (ta: +25 °C)

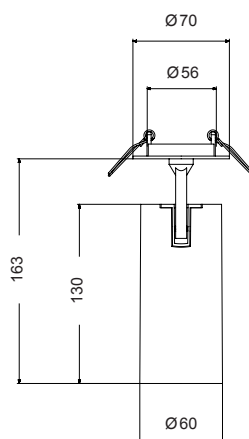


Item no. structural silver	Item no. structural white	Item no. structural black	Beam angle	Color temperature	Luminous flux	Color rendering	System efficiency
88782163	88782173	88782183	20°	3000 K	1,594 lm	CRI > 90	128 lm / W
88782165	88782175	88782185	20°	3500 K	1,612 lm	CRI > 90	129 lm / W
88782164	88782174	88782184	20°	4000 K	1,631 lm	CRI > 90	130 lm / W
88784163	88784173	88784183	40°	3000 K	1,509 lm	CRI > 90	121 lm / W
88784165	88784175	88784185	40°	3500 K	1,526 lm	CRI > 90	122 lm / W
88784164	88784174	88784184	40°	4000 K	1,544 lm	CRI > 90	124 lm / W
88786163	88786173	88786183	60°	3000 K	1,417 lm	CRI > 90	113 lm / W
88786165	88786175	88786185	60°	3500 K	1,433 lm	CRI > 90	115 lm / W
88786164	88786174	88786184	60°	4000 K	1,449 lm	CRI > 90	116 lm / W

DALI variants available on request.



These items are subject to discount group 1.



Available
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2023.

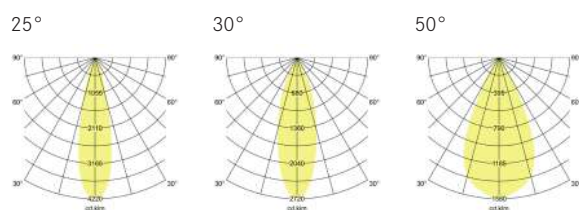
TRAXX MIDI LED semi-recessed spotlight

NEW

Illuminants: LED, incl. converter for 230 V mains voltage,
power: 23 W, control: switchable, material: Aluminum / glass / plastic,
delivery: incl. operating device, switchable.

Service life:

L80/B50, 50,000 hrs. (ta: +25 °C)



Item no. structural silver	Item no. structural white	Item no. structural black	Beam angle	Color temperature	Luminous flux	Color rendering	System efficiency
88792163	88792173	88792183	25°	3000 K	2,928 lm	CRI > 90	127 lm / W
88792165	88792175	88792185	25°	3500 K	2,962 lm	CRI > 90	129 lm / W
88792164	88792174	88792184	25°	4000 K	2,996 lm	CRI > 90	130 lm / W
88793163	88793173	88793183	30°	3000 K	2,727 lm	CRI > 90	119 lm / W
88793165	88793175	88793185	30°	3500 K	2,759 lm	CRI > 90	120 lm / W
88793164	88793174	88793184	30°	4000 K	2,791 lm	CRI > 90	121 lm / W
88795163	88795173	88795183	50°	3000 K	2,940 lm	CRI > 90	128 lm / W
88795165	88795175	88795185	50°	3500 K	2,974 lm	CRI > 90	129 lm / W
88795164	88795174	88795184	50°	4000 K	3,009 lm	CRI > 90	131 lm / W

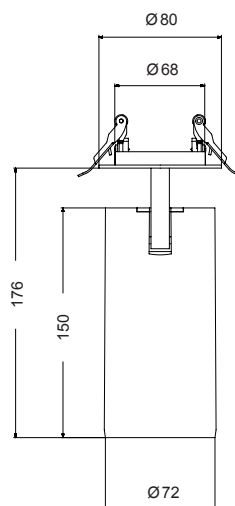
DALI variants available on request.



These items are subject to discount group 1.



Available
for delivery
from January
2023.



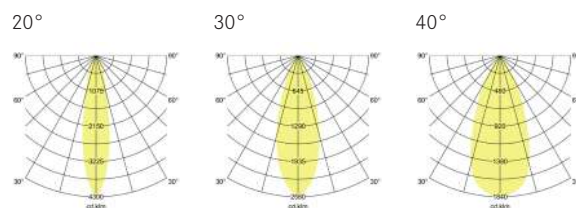
TRAXX MAXI LED semi-recessed spotlight

NEW

Illuminants: LED, incl. converter for 230 V mains voltage,
power: 31 W, control: switchable, material: Aluminum / glass / plastic,
delivery: incl. operating device, switchable.

Service life:

L80/B50, 50,000 hrs. (ta: +25 °C)



Item no. structural silver	Item no. structural white	Item no. structural black	Beam angle	Color temperature	Luminous flux	Color rendering	System efficiency
88802163	88802173	88802183	20°	3000 K	3,538 lm	CRI > 90	114 lm / W
88802165	88802175	88802185	20°	3500 K	3,580 lm	CRI > 90	115 lm / W
88802164	88802174	88802184	20°	4000 K	3,621 lm	CRI > 90	117 lm / W
88803163	88803173	88803183	30°	3000 K	3,805 lm	CRI > 90	123 lm / W
88803165	88803175	88803185	30°	3500 K	3,850 lm	CRI > 90	124 lm / W
88803164	88803174	88803184	30°	4000 K	3,894 lm	CRI > 90	126 lm / W
88804163	88804173	88804183	40°	3000 K	3,975 lm	CRI > 90	128 lm / W
88804165	88804175	88804185	40°	3500 K	4,022 lm	CRI > 90	130 lm / W
88804164	88804174	88804184	40°	4000 K	4,068 lm	CRI > 90	131 lm / W

DALI variants available on request.



These items are subject to discount group 1.



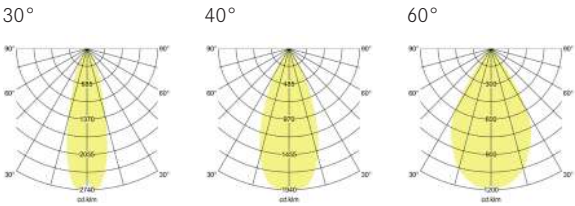
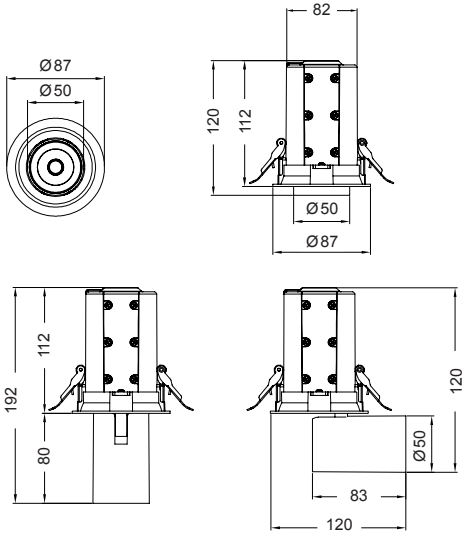
Available
for delivery
from January
2023.

TRAXX MICRO LED recessed spotlight

NEW

Illuminants: LED, incl. converter for 230 V mains voltage,
power: 6.8 W, control: switchable, material: Aluminum / glass / plastic,
delivery: incl. operating device, switchable.

Service life:
L80/B50, 50,000 hrs. (ta: +25 °C)



Item no. structural silver	Item no. structural white	Item no. structural black	Beam angle	Color temperature	Luminous flux	Color rendering	System efficiency
88733163	88733173	88733183	30°	3000 K	901 lm	CRI > 90	133 lm / W
88733165	88733175	88733185	30°	3500 K	912 lm	CRI > 90	134 lm / W
88733164	88733174	88733184	30°	4000 K	922 lm	CRI > 90	136 lm / W
88734163	88734173	88734183	40°	3000 K	836 lm	CRI > 90	123 lm / W
88734165	88734175	88734185	40°	3500 K	846 lm	CRI > 90	124 lm / W
88734164	88734174	88734184	40°	4000 K	856 lm	CRI > 90	126 lm / W
88736163	88736173	88736183	60°	3000 K	773 lm	CRI > 90	114 lm / W
88736165	88736175	88736185	60°	3500 K	782 lm	CRI > 90	115 lm / W
88736164	88736174	88736184	60°	4000 K	791 lm	CRI > 90	116 lm / W

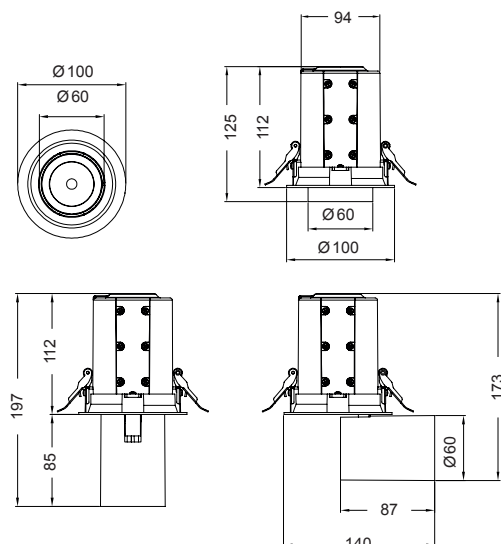
DALI variants available on request.



These items are subject to discount group 1.



Available
for delivery
from January
2023.



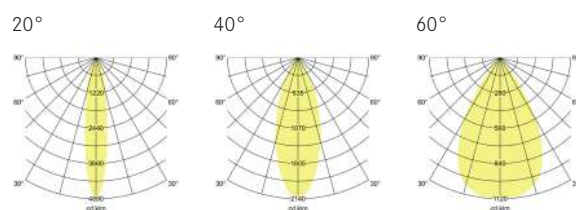
TRAXX MINI LED recessed spotlight

NEW

Illuminants: LED, incl. converter for 230 V mains voltage,
power: 12.5 W, control: switchable, material: Aluminum / glass / plastic,
delivery: incl. operating device, switchable.

Service life:

L80/B50, 50,000 hrs. (ta: +25 °C)



Item no. structural silver	Item no. structural white	Item no. structural black	Beam angle	Color temperature	Luminous flux	Color rendering	System efficiency
88742163	88742173	88742183	20°	3000 K	1,588 lm	CRI > 90	127 lm / W
88742165	88742175	88742185	20°	3500 K	1,593 lm	CRI > 90	127 lm / W
88742164	88742174	88742184	20°	4000 K	1,612 lm	CRI > 90	129 lm / W
88744163	88744173	88744183	40°	3000 K	1,503 lm	CRI > 90	120 lm / W
88744165	88744175	88744185	40°	3500 K	1,508 lm	CRI > 90	121 lm / W
88744164	88744174	88744184	40°	4000 K	1,526 lm	CRI > 90	121 lm / W
88746163	88746173	88746183	60°	3000 K	1,411 lm	CRI > 90	113 lm / W
88746165	88746175	88746185	60°	3500 K	1,416 lm	CRI > 90	113 lm / W
88746164	88746174	88746184	60°	4000 K	1,433 lm	CRI > 90	115 lm / W

DALI variants available on request.



These items are subject to discount group 1.



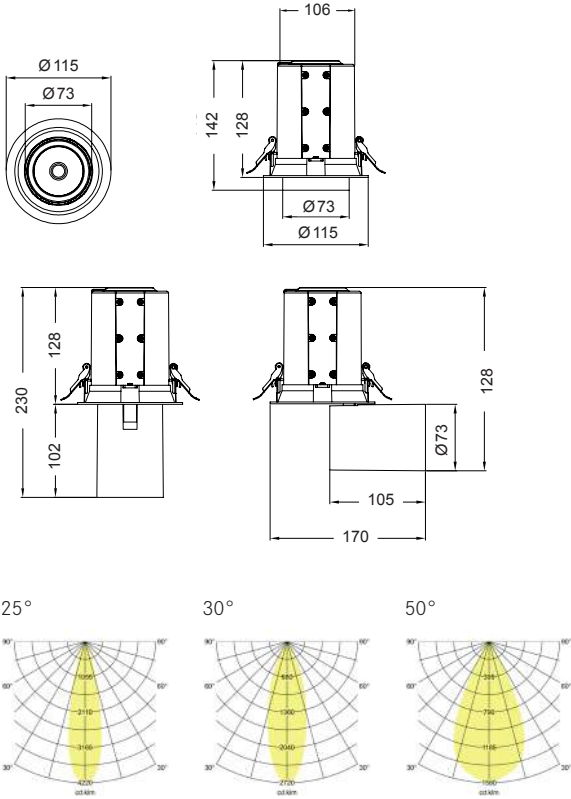
Available
for delivery
from January
2023.

TRAXX MIDI LED recessed spotlight

NEW

Illuminants: LED, incl. converter for 230 V mains voltage,
power: 19.5 W, control: switchable, material: Aluminum / glass / plastic,
delivery: incl. operating device, switchable.

Service life:
L80/B50, 50,000 hrs. (ta: +25 °C)



Item no. structural silver	Item no. structural white	Item no. structural black	Beam angle	Color temperature	Luminous flux	Color rendering	System efficiency
88752163	88752173	88752183	25°	3000 K	2,576 lm	CRI > 90	132 lm / W
88752165	88752175	88752185	25°	3500 K	2,606 lm	CRI > 90	134 lm / W
88752164	88752174	88752184	25°	4000 K	2,636 lm	CRI > 90	135 lm / W
88753163	88753173	88753183	30°	3000 K	2,399 lm	CRI > 90	123 lm / W
88753165	88753175	88753185	30°	3500 K	2,427 lm	CRI > 90	124 lm / W
88753164	88753174	88753184	30°	4000 K	2,455 lm	CRI > 90	126 lm / W
88755163	88755173	88755183	50°	3000 K	2,586 lm	CRI > 90	133 lm / W
88755165	88755175	88755185	50°	3500 K	2,616 lm	CRI > 90	134 lm / W
88755164	88755174	88755184	50°	4000 K	2,646 lm	CRI > 90	136 lm / W

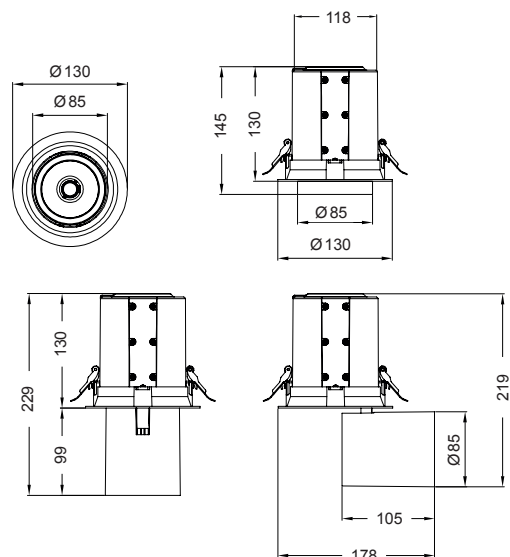
DALI variants available on request.



These items are subject to discount group 1.



Available
for delivery
from January
2023.



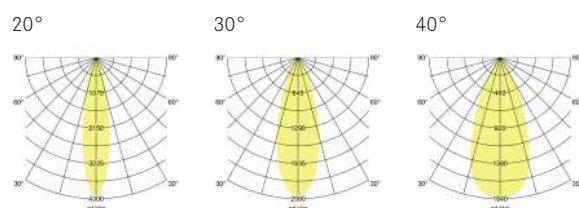
TRAXX MAXI LED recessed spotlight

NEW

Illuminants: LED, incl. converter for 230 V mains voltage,
power: 26.4 W, control: switchable, material: Aluminum / glass / plastic,
delivery: incl. operating device, switchable.

Service life:

L80/B50, 50,000 hrs. (ta: +25 °C)

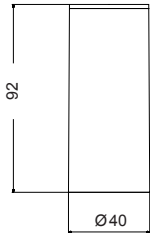


Item no. structural silver	Item no. structural white	Item no. structural black	Beam angle	Color temperature	Luminous flux	Color rendering	System efficiency
88762163	88762173	88762183	20°	3000 K	3,093 lm	CRI > 90	117 lm / W
88762165	88762175	88762185	20°	3500 K	3,129 lm	CRI > 90	119 lm / W
88762164	88762174	88762184	20°	4000 K	3,165 lm	CRI > 90	120 lm / W
88763163	88763173	88763183	30°	3000 K	3,326 lm	CRI > 90	126 lm / W
88763165	88763175	88763185	30°	3500 K	3,365 lm	CRI > 90	127 lm / W
88763164	88763174	88763184	30°	4000 K	3,404 lm	CRI > 90	129 lm / W
88764163	88764173	88764183	40°	3000 K	3,475 lm	CRI > 90	132 lm / W
88764165	88764175	88764185	40°	3500 K	3,515 lm	CRI > 90	133 lm / W
88764164	88764174	88764184	40°	4000 K	3,556 lm	CRI > 90	135 lm / W

DALI variants available on request.



These items are subject to discount group 1.

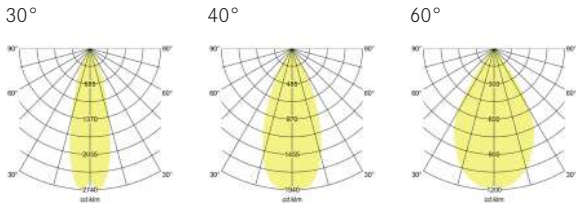


Available
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2023.

TRAXX MICRO LED surface mounted downlight NEW

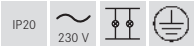
Illuminants: LED, incl. converter for 230 V mains voltage,
power: 6.8 W, control: switchable, material: Aluminum,
delivery: including operating device, switchable

Service life:
L80/B50, 50,000 hrs. (ta: +25 °C)

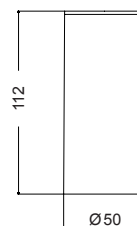


Item no. struc- tural silver	Item no. structural white	Item no. structural black	Beam angle	Color temperature	Luminous flux	Color rendering	System efficiency
88813163	88813173	88813183	30°	3000 K	901 lm	CRI > 90	133 lm / W
88813165	88813175	88813185	30°	3500 K	912 lm	CRI > 90	134 lm / W
88813164	88813174	88813184	30°	4000 K	922 lm	CRI > 90	136 lm / W
88814163	88814173	88814183	40°	3000 K	836 lm	CRI > 90	123 lm / W
88814165	88814175	88814185	40°	3500 K	846 lm	CRI > 90	124 lm / W
88814164	88814174	88814184	40°	4000 K	856 lm	CRI > 90	126 lm / W
88816163	88816173	88816183	60°	3000 K	773 lm	CRI > 90	114 lm / W
88816165	88816175	88816185	60°	3500 K	782 lm	CRI > 90	115 lm / W
88816164	88816174	88816184	60°	4000 K	791 lm	CRI > 90	116 lm / W

DALI variants available on request.



These items are subject to discount group 1.



Available
for delivery
from January
2023.

TRAXX MINI LED surface mounted downlight

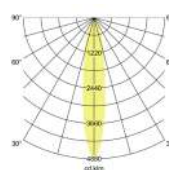
NEW

Illuminants: LED, incl. converter for 230 V mains voltage,
power: 12.5 W, control: switchable, material: Aluminum,
delivery: including operating device, switchable

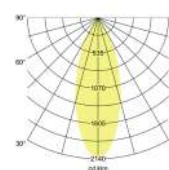
Service life:

L80/B50, 50,000 hrs. (ta: +25 °C)

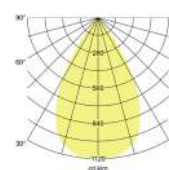
20°



40°

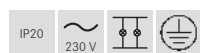


60°

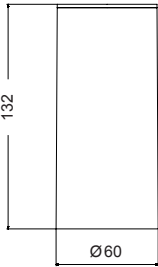


Item no. structural silver	Item no. structural white	Item no. structural black	Beam angle	Color temperature	Luminous flux	Color rendering	System efficiency
88822163	88822173	88822183	20°	3000 K	1,588 lm	CRI > 90	127 lm / W
88822165	88822175	88822185	20°	3500 K	1,593 lm	CRI > 90	127 lm / W
88822164	88822174	88822184	20°	4000 K	1,612 lm	CRI > 90	129 lm / W
88824163	88824173	88824183	40°	3000 K	1,503 lm	CRI > 90	120 lm / W
88824165	88824175	88824185	40°	3500 K	1,508 lm	CRI > 90	121 lm / W
88824164	88824174	88824184	40°	4000 K	1,526 lm	CRI > 90	121 lm / W
88826163	88826173	88826183	60°	3000 K	1,411 lm	CRI > 90	113 lm / W
88826165	88826175	88826185	60°	3500 K	1,416 lm	CRI > 90	113 lm / W
88826164	88826174	88826184	60°	4000 K	1,433 lm	CRI > 90	115 lm / W

DALI variants available on request.



These items are subject to discount group 1.

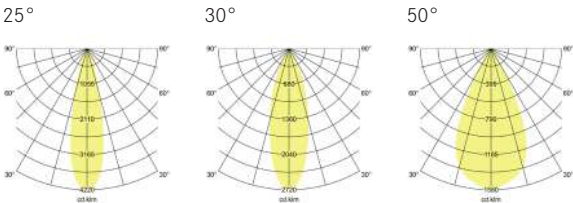


Available
for delivery
from January
2023.

TRAXX MIDI LED surface-mounted downlight NEW

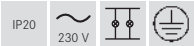
Illuminants: LED, incl. converter for 230 V mains voltage,
power: 19.5 W, control: switchable, material: Aluminum,
delivery: including operating device, switchable

Service life:
L80/B50, 50,000 hrs. (ta: +25 °C)



Item no. structural silver	Item no. structural white	Item no. structural black	Beam angle	Color temperature	Luminous flux	Color rendering	System efficiency
88832163	88832173	88832183	25°	3000 K	2,576 lm	CRI > 90	132 lm / W
88832165	88832175	88832185	25°	3500 K	2,606 lm	CRI > 90	134 lm / W
88832164	88832174	88832184	25°	4000 K	2,636 lm	CRI > 90	135 lm / W
88833163	88833173	88833183	30°	3000 K	2,399 lm	CRI > 90	123 lm / W
88833165	88833175	88833185	30°	3500 K	2,427 lm	CRI > 90	124 lm / W
88833164	88833174	88833184	30°	4000 K	2,455 lm	CRI > 90	126 lm / W
88835163	88835173	88835183	50°	3000 K	2,586 lm	CRI > 90	133 lm / W
88835165	88835175	88835185	50°	3500 K	2,616 lm	CRI > 90	134 lm / W
88835164	88835174	88835184	50°	4000 K	2,646 lm	CRI > 90	136 lm / W

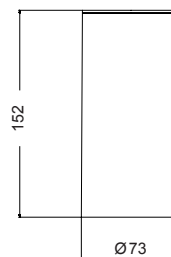
DALI variants available on request.



These items are subject to discount group 1.



Available
for delivery
from January
2023.

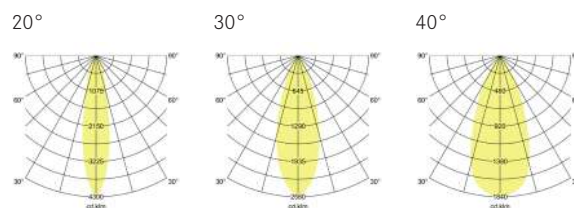


TRAXX MAXI LED surface-mounted downlights NEW

Illuminants: LED, incl. converter for 230 V mains voltage,
power: 26.4 W, control: switchable, material: Aluminum,
delivery: including operating device, switchable

Service life:

L80/B50, 50,000 hrs. (ta: +25 °C)

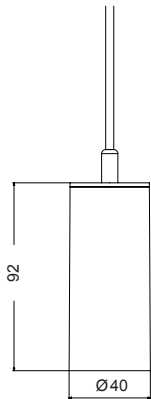


Item no. struc- tural silver	Item no. structural white	Item no. structural black	Beam angle	Color temperature	Luminous flux	Color rendering	System efficiency
88842163	88842173	88842183	20°	3000 K	3,093 lm	CRI > 90	117 lm / W
88842165	88842175	88842185	20°	3500 K	3,129 lm	CRI > 90	119 lm / W
88842164	88842174	88842184	20°	4000 K	3,165 lm	CRI > 90	120 lm / W
88843163	88843173	88843183	30°	3000 K	3,326 lm	CRI > 90	126 lm / W
88843165	88843175	88843185	30°	3500 K	3,365 lm	CRI > 90	127 lm / W
88843164	88843174	88843184	30°	4000 K	3,404 lm	CRI > 90	129 lm / W
88844163	88844173	88844183	40°	3000 K	3,475 lm	CRI > 90	132 lm / W
88844165	88844175	88844185	40°	3500 K	3,515 lm	CRI > 90	133 lm / W
88844164	88844174	88844184	40°	4000 K	3,556 lm	CRI > 90	135 lm / W

DALI variants available on request.



These items are subject to discount group 1.



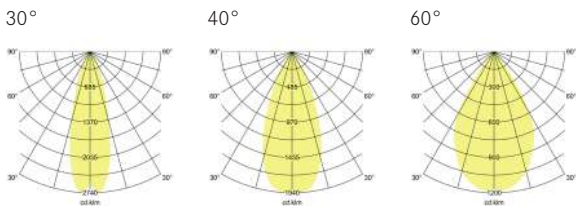
Available
for delivery
from January
2023.

TRAXX MICRO LED-suspension luminaires

NEW

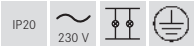
Illuminants: LED, incl. converter for 230 V mains voltage,
power: 6.8 W, control: switchable, material: Aluminum / glass / plastic,
delivery: incl. operating device, switchable, pendant length 1.500 mm.

Service life:
L80/B50, 50,000. hrs (ta: +25 °C)

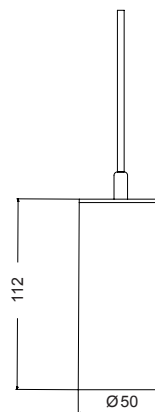


Item no. structural silver	Item no. structural white	Item no. structural black	Beam angle	Color temperature	Luminous flux	Color rendering	System efficiency
88853163	88853173	88853183	30°	3000 K	901 lm	CRI > 90	133 lm / W
88853165	88853175	88853185	30°	3500 K	912 lm	CRI > 90	134 lm / W
88853164	88853174	88853184	30°	4000 K	922 lm	CRI > 90	136 lm / W
88854163	88854173	88854183	40°	3000 K	836 lm	CRI > 90	123 lm / W
88854165	88854175	88854185	40°	3500 K	846 lm	CRI > 90	124 lm / W
88854164	88854174	88854184	40°	4000 K	856 lm	CRI > 90	126 lm / W
88856163	88856173	88856183	60°	3000 K	773 lm	CRI > 90	114 lm / W
88856165	88856175	88856185	60°	3500 K	782 lm	CRI > 90	115 lm / W
88856164	88856174	88856184	60°	4000 K	791 lm	CRI > 90	116 lm / W

DALI variants available on request.



These items are subject to discount group 1.



TRAXX MINI LED suspension luminaires

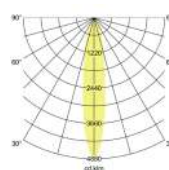
NEW

Illuminants: LED, incl. converter for 230 V mains voltage,
power: 12.5 W, control: switchable, material: Aluminum / glass / plastic,
delivery: incl. operating device, switchable, pendant length 1.500 mm.

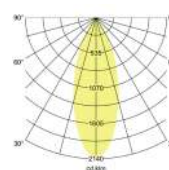
Service life:

L80/B50, 50,000 hrs. (ta: +25 °C)

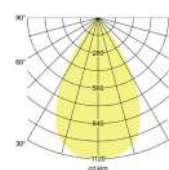
20°



40°



60°

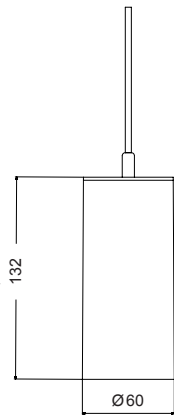


Item no. structural silver	Item no. structural white	Item no. structural black	Beam angle	Color temperature	Luminous flux	Color rendering	System efficiency
88862163	88862173	88862183	20°	3000 K	1,588 lm	CRI > 90	127 lm / W
88862165	88862175	88862185	20°	3500 K	1,593 lm	CRI > 90	127 lm / W
88862164	88862174	88862184	20°	4000 K	1,612 lm	CRI > 90	129 lm / W
88864163	88864173	88864183	40°	3000 K	1,503 lm	CRI > 90	120 lm / W
88864165	88864175	88864185	40°	3500 K	1,508 lm	CRI > 90	121 lm / W
88864164	88864174	88864184	40°	4000 K	1,526 lm	CRI > 90	121 lm / W
88866163	88866173	88866183	60°	3000 K	1,411 lm	CRI > 90	113 lm / W
88866165	88866175	88866185	60°	3500 K	1,416 lm	CRI > 90	113 lm / W
88866164	88866174	88866184	60°	4000 K	1,433 lm	CRI > 90	115 lm / W

DALI variants available on request.



These items are subject to discount group 1.

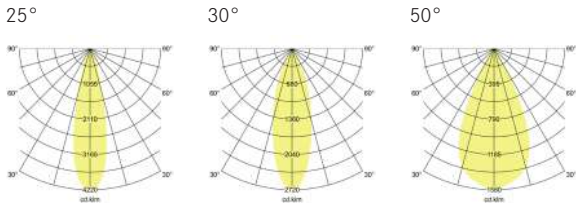


TRAXX MIDI LED suspension luminaires

NEW

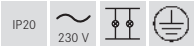
Illuminants: LED, incl. converter for 230 V mains voltage, power: 19.5 W, control: switchable, material: Aluminum / glass / plastic, delivery: incl. operating device, switchable, pendant length 1.500 mm

Service life:
L80/B50, 50,000 hrs. (ta: +25 °C)



Item no. structural silver	Item no. structural white	Item no. structural black	Beam angle	Color temperature	Luminous flux	Color rendering	System efficiency
88872163	88872173	88872183	25°	3000 K	2,576 lm	CRI > 90	132 lm / W
88872165	88872175	88872185	25°	3500 K	2,606 lm	CRI > 90	134 lm / W
88872164	88872174	88872184	25°	4000 K	2,636 lm	CRI > 90	135 lm / W
88873163	88873173	88873183	30°	3000 K	2,399 lm	CRI > 90	123 lm / W
88873165	88873175	88873185	30°	3500 K	2,427 lm	CRI > 90	124 lm / W
88873164	88873174	88873184	30°	4000 K	2,455 lm	CRI > 90	126 lm / W
88875163	88875173	88875183	50°	3000 K	2,586 lm	CRI > 90	133 lm / W
88875165	88875175	88875185	50°	3500 K	2,616 lm	CRI > 90	134 lm / W
88875164	88875174	88875184	50°	4000 K	2,646 lm	CRI > 90	136 lm / W

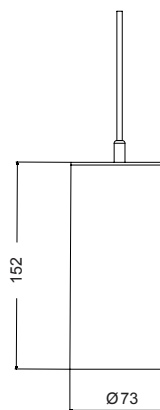
DALI variants available on request.



These items are subject to discount group 1.



Available
for delivery
from January
2023.



TRAXX MAXI LED suspension luminaires

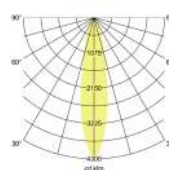
NEW

Illuminants: LED, incl. converter for 230 V mains voltage,
power: 26.4 W, control: switchable, material: Aluminum / glass / plastic,
delivery: incl. operating device, switchable, pendant length 1.500 mm.

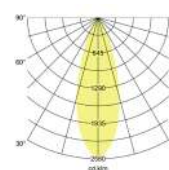
Service life:

L80/B50, 50,000 hrs. (ta: +25 °C)

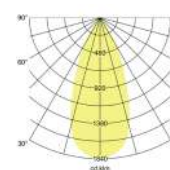
20°



30°

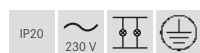


40°



Item no. structural silver	Item no. structural white	Item no. structural black	Beam angle	Color temperature	Luminous flux	Color rendering	System efficiency
88882163	88882173	88882183	20°	3000 K	3,093 lm	CRI > 90	117 lm / W
88882165	88882175	88882185	20°	3500 K	3,129 lm	CRI > 90	119 lm / W
88882164	88882174	88882184	20°	4000 K	3,165 lm	CRI > 90	120 lm / W
88883163	88883173	88883183	30°	3000 K	3,326 lm	CRI > 90	126 lm / W
88883165	88883175	88883185	30°	3500 K	3,365 lm	CRI > 90	127 lm / W
88883164	88883174	88883184	30°	4000 K	3,404 lm	CRI > 90	129 lm / W
88884163	88884173	88884183	40°	3000 K	3,475 lm	CRI > 90	132 lm / W
88884165	88884175	88884185	40°	3500 K	3,515 lm	CRI > 90	133 lm / W
88884164	88884174	88884184	40°	4000 K	3,556 lm	CRI > 90	135 lm / W

DALI variants available on request.



These items are subject to discount group 1.

1

Interior lighting

02

Ceiling-mounted recessed luminaires.

Make sure you always have the right basic lighting.

ATLAS LED recessed spotlight	p. 80	CHOOOSE LED recessed downlights	p. 110
TRAVUS LED recessed spotlight	p. 82	APOLLO LED recessed downlights	p. 112
ARTEMIS LED recessed spotlight	p. 84	KACIE LED recessed downlights	p. 118
BB-recessed spotlight	p. 90	KIZZIE LED recessed downlights	p. 120
BIG65 LED recessed luminaires	p. 106	LYDON LED recessed downlights	p. 121
FLAT350 LED recessed panels	p. 107		



Eiswiese (Ice meadow), Göttingen

Rotatable and swiveling
(355° and 30°).



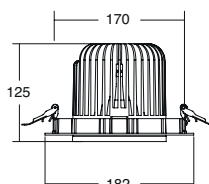
Key features of the products:

- Optimal thermal management through generously sized heat sink.
- Very good operating efficiency of up to 126 lm/W.
- Die-cast aluminum housing.
- Other color rendering values are available up to CRI >98 (Xicato) on request.
- Optional reflectors from 12° to 60°.

ATLAS

LED recessed spotlight.

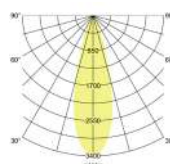
High-performance lighting at its best.



ATLAS LED recessed spotlights

NEW

Illuminants: LED, color rendering: CRI > 90, power: 32 W, beam angle: 30°, material: Aluminum / glass / plastic, heat dissipation: passive (without fan), rotatable / swiveling, incl. converter for 230 V mains voltage



Service life:

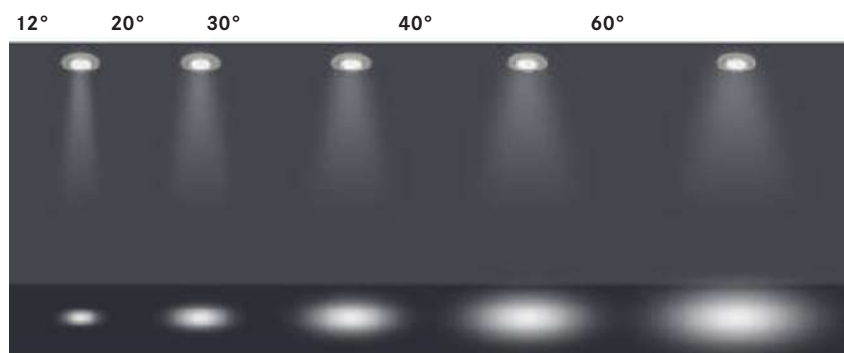
L70/B10, > 50,000 hrs. (ta: +25 °C)

Item no.	Color	Color rendering	Color temperature	Luminous flux	Control	System efficiency
12590173	Structural white	CRI > 90	3000 K	3,800 lm	Switchable	119 lm / W
12590174	Structural white	CRI > 90	4000 K	4,030 lm	Switchable	126 lm / W
12592173	Structural white	CRI > 90	3000 K	3,800 lm	DALI	119 lm / W
12592174	Structural white	CRI > 90	4000 K	4,030 lm	DALI	126 lm / W
12592178 NEW	Structural white	CRI > 90	2700 K – 5000 K		DALI (DT8)	
12590183	Structural black	CRI > 90	3000 K	3,800 lm	Switchable	119 lm / W
12590184	Structural black	CRI > 90	4000 K	4,030 lm	Switchable	126 lm / W
12592183	Structural black	CRI > 90	3000 K	3,800 lm	DALI	119 lm / W
12592184	Structural black	CRI > 90	4000 K	4,030 lm	DALI	126 lm / W
12592188 NEW	Structural black	CRI > 90	2700 K – 5000 K		DALI (DT8)	



These items are subject to discount group 1.

Item no.	Beam angle	Description
81590001	12°	Reflector 12° for 12590... and 12592...
81590002	20°	Reflector 20° for 12590... and 12592...
81590003	30°	Reflector 30° for 12590... and 12592...
81590004	40°	Reflector 40° for 12590... and 12592...
81590006	60°	Reflector 60° for 12590... and 12592...



Rotatable and swiveling
(355° and 30°).

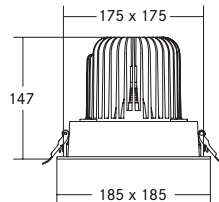


Key features of the products:

- Optimal thermal management through generously sized heat sink.
- Very good operating efficiency of up to 115 lm/W.
- Die-cast aluminum housing.
- Other color rendering values are available up to CRI >98 (Xicato) on request.
- Optional reflectors from 12° to 60°.

TRAVUS

LED recessed spotlight.

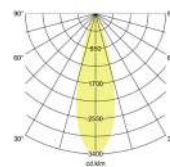


TRAVUS LED recessed spotlight, cardanic

Illuminants: LED, color rendering: CRI > 90, power: 40 W, beam angle: 30°, material: Aluminum / glass / plastic, heat dissipation: passive (without fan), rotatable / swiveling, incl. converter for 230 V mains voltage

Service life:

L70/B10, > 50,000 hrs. (ta: +25 °C)

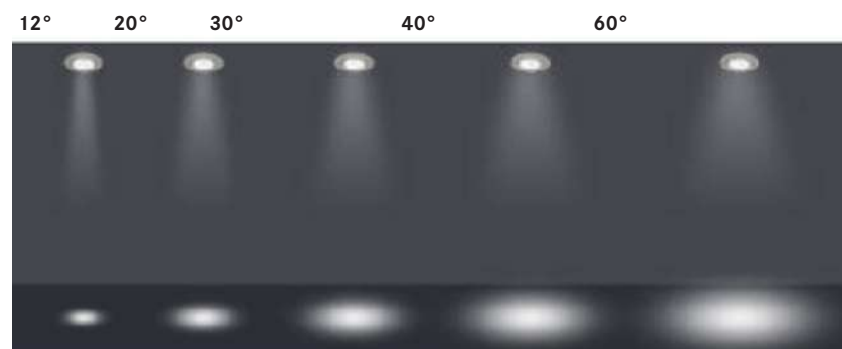


Item no.	Color	Color rendering	Color temperature	Luminous flux	Control	System efficiency
12581173	Structural white	CRI > 90	3000 K	4,300 lm	Switchable	108 lm / W
12581174	Structural white	CRI > 90	4000 K	4,560 lm	Switchable	114 lm / W
12583173	Structural white	CRI > 90	3000 K	4,300 lm	DALI	108 lm / W
12583174	Structural white	CRI > 90	4000 K	4,560 lm	DALI	114 lm / W
12581183	Structural black	CRI > 90	3000 K	4,300 lm	Switchable	108 lm / W
12581184	Structural black	CRI > 90	4000 K	4,560 lm	Switchable	114 lm / W
12583183	Structural black	CRI > 90	3000 K	4,300 lm	DALI	108 lm / W
12583184	Structural black	CRI > 90	4000 K	4,560 lm	DALI	114 lm / W



These items are subject to discount group 1.

Item no.	Beam angle	Description
81590001	12°	Reflector 12° for 12581... and 12583...
81590002	20°	Reflector 20° for 12581... and 12583...
81590003	30°	Reflector 30° for 12581... and 12583...
81590004	40°	Reflector 40° for 12581... and 12583...
81590006	60°	Reflector 60° for 12581... and 12583...





Luminous flux up to 5,713 lm
(size Maxi, 4000 K)



Flexible swing in and out.

ARTEMIS

LED recessed spotlight.

Innovative swivel mechanism
for targeted illumination.

The powerful yet efficient ARTEMIS recessed directional spotlight scores with four installation sizes and can be flexibly swiveled in and out. It is also available in three to a maximum of 5 beam angles in three color temperatures and high color rendering (CRI > 90), making this spotlight an absolute all-rounder for almost any application.

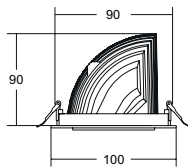
Key features of the products:

- 5-year Brumberg lighting warranty.
- Long service life: L80B50 > 50,000 h at 25 °C.
- High luminous efficacy: up to 138 lm per watt.
- Four sizes in up to five beam angles selectable.

Here's a quick configuration table:

Switchable								
	Beam angle		Color			Color temperature		
			Structural silver	Structural white	Structural black	3000 K	3500 K	4000 K
Micro 12.5 W	20°	88242	16	17	18	3	5	4
	40°	88244	16	17	18	3	5	4
	60°	88246	16	17	18	3	5	4
Mini 26.7 W	20°	88252	16	17	18	3	5	4
	30°	88253	16	17	18	3	5	4
	40°	88254	16	17	18	3	5	4
	60°	88256	16	17	18	3	5	4
Midi 30.3 W	25°	88262	16	17	18	3	5	4
	30°	88263	16	17	18	3	5	4
	50°	88266	16	17	18	3	5	4
Maxi 41.6 W	12°	88271	16	17	18	3	5	4
	20°	88272	16	17	18	3	5	4
	30°	88273	16	17	18	3	5	4
	40°	88274	16	17	18	3	5	4
	60°	88276	16	17	18	3	5	4
	1	2	3			4		

Example: Size Maxi with beam angle 40° in structural black with 4000 K = item no.: 88274184.



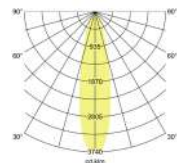
Available
for delivery
from January
2023.

ARTEMIS MICRO LED recessed spotlight

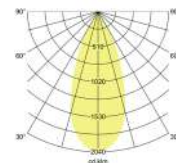
NEW

Illuminants: LED, color rendering: CRI > 90, power: 12.5 W, rotatable and swiveling, control: switchable, material: Aluminum / glass / plastic, incl. converter for 230 V mains voltage.

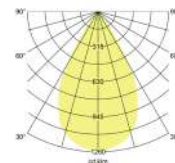
24°



40°



60°



Item no. Structural silve	Item no. Structural white	Item no. Structural black	Beam angle	Color rendering	Color temperature	Luminous flux	System efficiency
88242163	88242173	88242183	24°	CRI > 90	3000 K	1,544 lm	124 lm / W
88242165	88242175	88242185	24°	CRI > 90	3500 K	1,563 lm	125 lm / W
88242164	88242174	88242184	24°	CRI > 90	4000 K	1,580 lm	126 lm / W
88244163	88244173	88244183	40°	CRI > 90	3000 K	1,598 lm	128 lm / W
88244165	88244175	88244185	40°	CRI > 90	3500 K	1,617 lm	129 lm / W
88244164	88244174	88244184	40°	CRI > 90	4000 K	1,635 lm	131 lm / W
88246163	88246173	88246183	60°	CRI > 90	3000 K	1,499 lm	120 lm / W
88246165	88246175	88246185	60°	CRI > 90	3500 K	1,517 lm	121 lm / W
88246164	88246174	88246184	60°	CRI > 90	4000 K	1,539 lm	123 lm / W

DALI variants available on request.



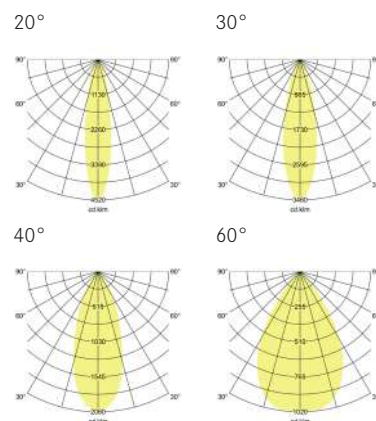
These items are subject to discount group 1.



ARTEMIS MINI LED recessed spotlight

NEW

Illuminants: LED, color rendering: CRI > 90, power: 26.7 W, rotatable and swiveling, control: switchable, material: Aluminum / glass / plastic, incl. converter for 230 V mains voltage.



Item no. Structural silver	Item no. Structural white	Item no. Structural black	Beam angle	Color rendering	Color temperature	Luminous flux	System efficiency
88252163	88252173	88252183	20°	CRI > 90	3000 K	3,501 lm	131 lm / W
88252165	88252175	88252185	20°	CRI > 90	3500 K	3,542 lm	133 lm / W
88252164	88252174	88252184	20°	CRI > 90	4000 K	3,584 lm	134 lm / W
88253163	88253173	88253183	30°	CRI > 90	3000 K	3,440 lm	129 lm / W
88253165	88253175	88253185	30°	CRI > 90	3500 K	3,480 lm	130 lm / W
88253164	88253174	88253184	30°	CRI > 90	4000 K	3,521 lm	132 lm / W
88254163	88254173	88254183	40°	CRI > 90	3000 K	3,367 lm	126 lm / W
88254165	88254175	88254185	40°	CRI > 90	3500 K	3,406 lm	128 lm / W
88254164	88254174	88254184	40°	CRI > 90	4000 K	3,447 lm	129 lm / W
88256163	88256173	88256183	60°	CRI > 90	3000 K	3,151 lm	118 lm / W
88256165	88256175	88256185	60°	CRI > 90	3500 K	3,187 lm	119 lm / W
88256164	88256174	88256184	60°	CRI > 90	4000 K	3,225 lm	121 lm / W

DALI variants available on request.



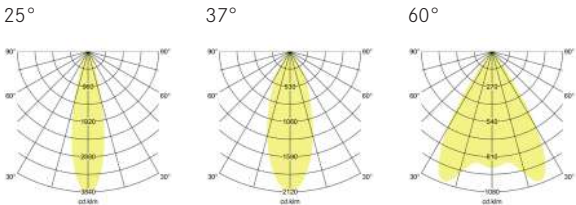
These items are subject to discount group 1.



ARTEMIS MIDI LED-recessed spotlight

NEW

Illuminants: LED, color rendering: CRI > 90, power: 30.3 W, rotatable and swiveling, control: switchable, material: Aluminum / glass / plastic, incl. converter for 230 V mains voltage, switchable.



Item no. Structural silver	Item no. Structural white	Item no. Structural black	Beam angle	Color rendering	Color temperature	Luminous flux	System efficiency
88262163	88262173	88262183	25°	CRI > 90	3000 K	3,966 lm	131 lm / W
88262165	88262175	88262185	25°	CRI > 90	3500 K	4,013 lm	132 lm / W
88262164	88262174	88262184	25°	CRI > 90	4000 K	4,059 lm	131 lm / W
88263163	88263173	88263183	37°	CRI > 90	3000 K	3,755 lm	124 lm / W
88263165	88263175	88263185	37°	CRI > 90	3500 K	3,697 lm	122 lm / W
88263164	88263174	88263184	37°	CRI > 90	4000 K	3,843 lm	124 lm / W
88266163	88266173	88266183	60°	CRI > 90	3000 K	4,115 lm	136 lm / W
88266165	88266175	88266185	60°	CRI > 90	3500 K	4,167 lm	138 lm / W
88266164	88266174	88266184	60°	CRI > 90	4000 K	4,212 lm	136 lm / W

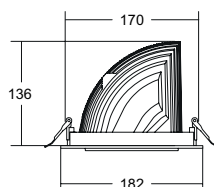
DALI variants available on request.



These items are subject to discount group 1.



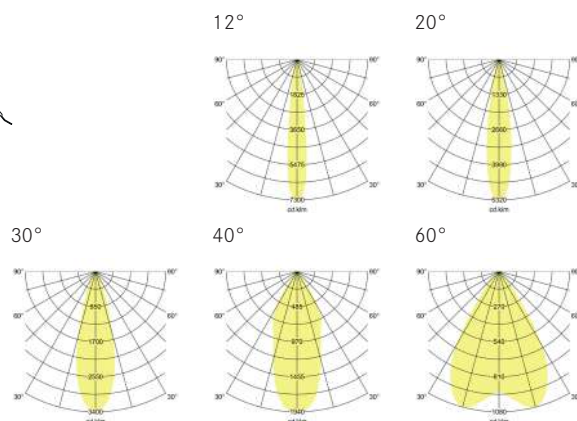
Available
for delivery
from January
2023.



ARTEMIS MAXI LED-recessed spotlight

NEW

Illuminants: LED, color rendering: CRI > 90, power: 41.6 W, rotatable and swiveling, control: switchable, material: Aluminum / glass / plastic, incl. converter for 230 V mains voltage, switchable.



Item no. Structural silver	Item no. Structural white	Item no. Structural black	Beam angle	Color rendering	Color temperature	Luminous flux	System efficiency
88271163	88271173	88271183	12°	CRI > 90	3000 K	5,291 lm	127 lm / W
88271165	88271175	88271185	12°	CRI > 90	3500 K	5,354 lm	129 lm / W
88271164	88271174	88271184	12°	CRI > 90	4000 K	5,415 lm	130 lm / W
88272163	88272173	88272183	20°	CRI > 90	3000 K	5,408 lm	130 lm / W
88272165	88272175	88272185	20°	CRI > 90	3500 K	5,472 lm	132 lm / W
88272164	88272174	88272184	20°	CRI > 90	4000 K	5,535 lm	133 lm / W
88273163	88273173	88273183	30°	CRI > 90	3000 K	5,582 lm	134 lm / W
88273165	88273175	88273185	30°	CRI > 90	3500 K	5,648 lm	136 lm / W
88273164	88273174	88273184	30°	CRI > 90	4000 K	5,713 lm	137 lm / W
88274163	88274173	88274183	40°	CRI > 90	3000 K	5,350 lm	129 lm / W
88274165	88274175	88274185	40°	CRI > 90	3500 K	5,413 lm	130 lm / W
88274164	88274174	88274184	40°	CRI > 90	4000 K	5,475 lm	132 lm / W
88276163	88276173	88276183	60°	CRI > 90	3000 K	4,990 lm	120 lm / W
88276165	88276175	88276185	60°	CRI > 90	3500 K	5,049 lm	121 lm / W
88276164	88276174	88276184	60°	CRI > 90	4000 K	5,107 lm	123 lm / W

DALI variants available on request.



These items are subject to discount group 1.

The alternative to LED retrofit. Simply reliable.



Planning.

A set for reliability. The individual components are electrotechnically matched to each other and ensure stable operating times. The respective specification is not required.



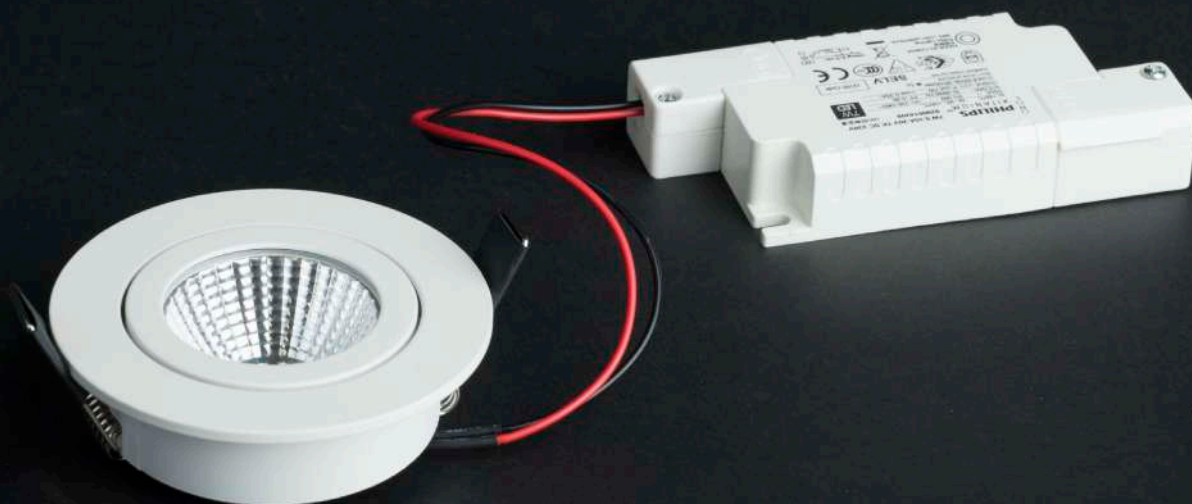
Ordering.

One part number for three components. Luminaires, LED module and converter can be ordered with one part number. "Search times" are reduced because only one product is picked. Optimal for inventory management: Availability of all components is ensured from the outset.



Assembly.

Accelerated assembly and faster commissioning. The assembly of sets makes installation much easier - whether for new buildings, retrofits or refurbishments. Mix-ups can be ruled out in advance.



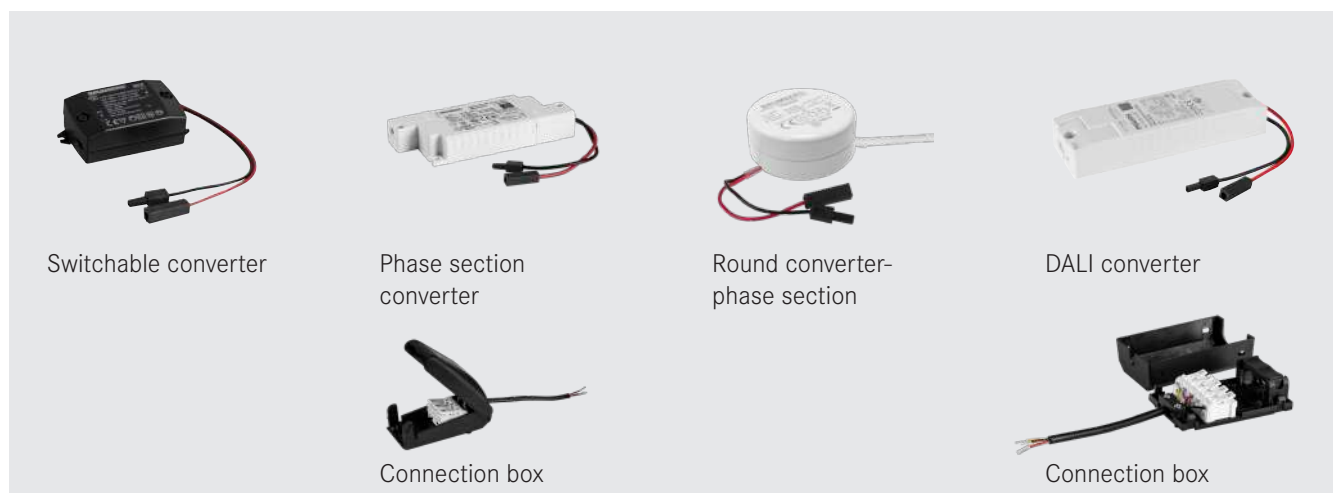
BB sets.

Complete set of luminaire, LED module and converter.

With well thought-out, reliable lighting solutions that connect people and spaces, we create lighting situations in which people feel good. No matter whether it is a new building or renovation: A well thought-out lighting design takes time. It is all better if the amount of work involved can be reduced. Thanks to the Brumberg BB-Sets, you have three products combined in one item reference. This saves you time when assembling the luminaires and simplifies installation. Luminaires, LED lights and the matching converter are included in the set.

Key features of the products:

- 5-year Brumberg light warranty.
- A total of over 200 different sets in various finishes.
- Various dimming technologies: from switchable, to phase section, to DALI.
- Quick installation in existing ceiling cut-outs.
- Simplified planning with pre-selected ballasts.
- Round and square sets in numerous housing colors for many different lighting requirements.
- All DALI sets are equipped with converters without "glow in the dark" effect.
- Available in IP20 and IP65 protection classes.
- IP65: With cover cap for mechanical protection and maintenance of the necessary installation depth.





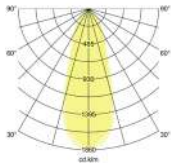
Switchable converter

BB03 LED recessed spotlight set, switchable NEW

Set including converter for 230 V mains voltage, switchable, d imensions of converter: L 68 x W 35 x H 21 mm

Illuminants: LED, color rendering: CRI > 80, power: 6 W, beam angle: 38°, material: Aluminum / Polycarbonate

Service life:
L80/B20, 50,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
38363023	Chromium	630 lm	3000 K	107 lm / W
38363073	White	630 lm	3000 K	107 lm / W
38363173 NEW	Structural white	630 lm	3000 K	107 lm / W
38363153	Nickel matte	630 lm	3000 K	107 lm / W
38363183 NEW	Structural black	630 lm	3000 K	107 lm / W



These items are subject to discount group 1.



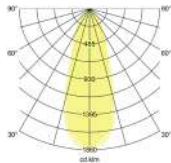
Phase section converter

BB03 LED recessed spotlight set, dimma-
ble phase section NEW

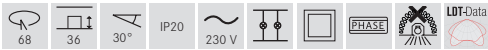
Set including converter for 230 V mains voltage, dimmable phase sec- tion, dimensions of converter: L 110 x W 50 x H 19 mm

Illuminants: LED, color rendering: CRI > 80, power: 6 W, beam angle: 38°, material: Aluminum / Polycarbonate

Service life:
L80/B20, 50,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
39363023	Chromium	630 lm	3000 K	107 lm / W
39363073	White	630 lm	3000 K	107 lm / W
39363173 NEW	Structural white	630 lm	3000 K	107 lm / W
39363153	Nickel matte	630 lm	3000 K	107 lm / W
39363183 NEW	Structural black	630 lm	3000 K	107 lm / W



These items are subject to discount group 1.



Phase section converter

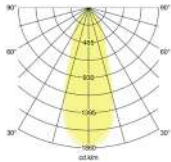
Connection box

BB03 LED recessed spotlight set, dimmable
phase section, with connection box NEW

Set including converter for 230 V mains voltage, dimmable phase section, dimensions of converter: L 110 x W 50 x H 19 mm

Illuminants: LED, color rendering: CRI > 80, power: 6 W, beam angle: 38°, material: Aluminum / Polycarbonate, Delivery: including connection box, 3-pin

Service life:
L80/B20, 50,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
39463023	Chromium	630 lm	3000 K	107 lm / W
39463073	White	630 lm	3000 K	107 lm / W
39463173 NEW	Structural white	630 lm	3000 K	107 lm / W
39463153	Nickel matte	630 lm	3000 K	107 lm / W
39463183 NEW	Structural black	630 lm	3000 K	107 lm / W



These items are subject to discount group 1.



Round converter- phase section

**BB03 LED recessed spotlight set,
phase section dimmable (round converter)**

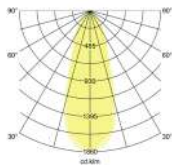
NEW

Set including converter for 230 V mains voltage, dimmable phase section, dimensions of converter: D 51 x H 24 mm

Illuminants: LED, color rendering: CRI > 80, power: 6 W, beam angle: 38°, material: Aluminum / Polycarbonate

Service life:

L80/B20, 50,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
40363023	Chromium	630 lm	3000 K	107 lm / W
40363073	White	630 lm	3000 K	107 lm / W
40363173 NEW	Structural white	630 lm	3000 K	107 lm / W
40363153	Nickel matte	630 lm	3000 K	107 lm / W
40363183 NEW	Structural black	630 lm	3000 K	107 lm / W



These items are subject to discount group 1.



DALI converter



Connection box

**BB03 LED recessed spotlight set,
DALI dimmable, with connection box**

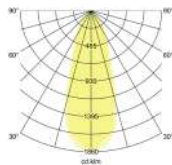
NEW

Set including converter for 230 V mains voltage, dimmable DALI-2, dimensions of converter: L 130 x W 42 x H 22 mm

Illuminants: LED, color rendering: CRI > 80, power: 6 W, beam angle: 38°, material: Aluminum / Polycarbonate, Delivery: including connection box, 5-pin

Service life:

L80/B20, 50,000 hrs (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
41463023	Chromium	630 lm	3000 K	107 lm / W
41463073	White	630 lm	3000 K	107 lm / W
41463173 NEW	Structural white	630 lm	3000 K	107 lm / W
41463153	Nickel matte	630 lm	3000 K	107 lm / W
41463183 NEW	Structural black	630 lm	3000 K	107 lm / W



These items are subject to discount group 1.



Leaf spring set for BB sets BB03 / BB05

Leaf spring set consisting of 2 pieces of leaf springs for on-site equipment (replacement of the standard leg spring) of the BB sets 03 and 05.

Item no.	
532700	

This item is subject to discount group 1.

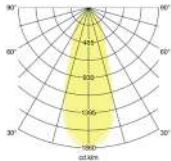


BB05 LED recessed spotlight set, switchable NEW

Set including converter for 230 V mains voltage, switchable, dimensions of converter: L 68 x W 35 x H 21 mm

Illuminants: LED, color rendering: CRI > 80, power: 6 W, beam angle: 38°, material: Aluminum / Polycarbonate

Service life:
L80/B20, 50,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
38365023	Chromium	630 lm	3000 K	107 lm / W
38365073	White	630 lm	3000 K	107 lm / W
38365173 NEW	Structural white	630 lm	3000 K	107 lm / W
38365153	Nickel matte	630 lm	3000 K	107 lm / W
38365183 NEW	Structural black	630 lm	3000 K	107 lm / W



These items are subject to discount group 1.

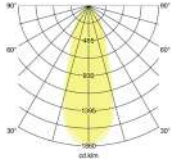


BB05 LED recessed spotlight set, dimmable phase section, with connection box NEW

Set including converter for 230 V mains voltage, dimmable phase section, dimensions of converter: L 110 x W 50 x H 19 mm

Illuminants: LED, color rendering: CRI > 80, power: 6 W, beam angle: 38°, material: Aluminum / Polycarbonate, Delivery: including connection box, 3-pin

Service life:
L80/B20, 50,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
39465023	Chromium	630 lm	3000 K	107 lm / W
39465073	White	630 lm	3000 K	107 lm / W
39465173 NEW	Structural white	630 lm	3000 K	107 lm / W
39465153	Nickel matte	630 lm	3000 K	107 lm / W
39465183 NEW	Structural black	630 lm	3000 K	107 lm / W



These items are subject to discount group 1.

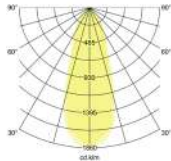


BB05 LED recessed spotlight set, dimmable phase section NEW

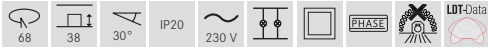
Set including converter for 230 V mains voltage, dimmable phase section, dimensions of converter: L 110 x W 50 x H 19 mm

Illuminants: LED, color rendering: CRI > 80, power: 6 W, Beam angle: 38°, material: Aluminum / Polycarbonate

Service life:
L80/B20, 50,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
39365023	Chromium	630 lm	3000 K	107 lm / W
39365073	White	630 lm	3000 K	107 lm / W
39365173 NEW	Structural white	630 lm	3000 K	107 lm / W
39365153	Nickel matte	630 lm	3000 K	107 lm / W
39365183 NEW	Structural black	630 lm	3000 K	107 lm / W



These items are subject to discount group 1.



Round converter- phase section

BB05 LED recessed spotlight set, phase section dimmable (round converter)

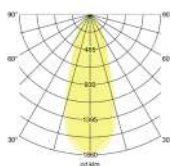
NEW

Set including converter for 230 V mains voltage,
dimmable phase section, dimensions of converter: D 51 x H 24 mm

Illuminants: LED, color rendering: CRI > 80, power: 6 W,
beam angle: 38°, material: Aluminum / Polycarbonate

Service life:

L80/B20, 50,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
40365023	Chromium	630 lm	3000 K	107 lm / W
40365073	White	630 lm	3000 K	107 lm / W
40365173 NEW	Structural white	630 lm	3000 K	107 lm / W
40365153	Nickel matte	630 lm	3000 K	107 lm / W
40365183 NEW	structural Black	630 lm	3000 K	107 lm / W



These items are subject to discount group 1.



DALI converter



Connection box

BB05 LED-recessed spotlight set, DALI dimmable, with connection box

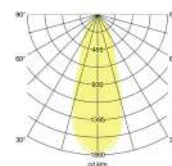
NEW

Set including converter for 230 V mains voltage, dimmable DALI-2,
dimensions of converter: L 130 x W 42 x H 22 mm

Illuminants: LED, color rendering: CRI > 80, power: 6 W,
beam angle: 38°, material: Aluminum / Polycarbonate,
Delivery: including connection box, 5-pin

Service life:

L80/B20, 50,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
41465023	Chromium	630 lm	3000 K	107 lm / W
41465073	White	630 lm	3000 K	107 lm / W
41465173 NEW	Structural white	630 lm	3000 K	107 lm / W
41465153	Nickel matte	630 lm	3000 K	107 lm / W
41465183 NEW	structural Black	630 lm	3000 K	107 lm / W



These items are subject to discount group 1.

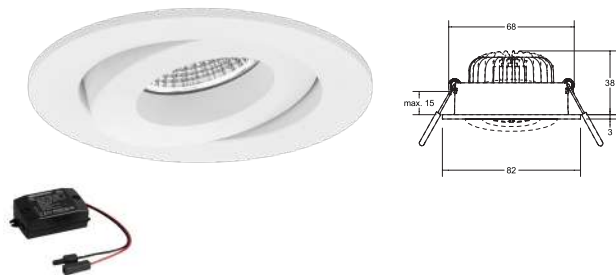


Leaf spring set for BB sets BB03 / BB05

Leaf spring set consisting of 2 pieces of leaf springs for on-site
equipment (replacement of the standard leg spring) of the
BB sets 03 and 05.

Item no.
532700

This item is subject to discount group 1.



Switchable converter

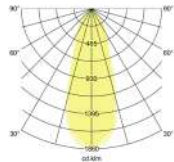
BB33 LED recessed spotlight set, switchable

Set including converter for 230 V mains voltage, switchable, dimensions of converter: L 68 x W 35 x H 21 mm

Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 40°, Material: Aluminum / Polycarbonate

Service life:

L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
38377173	Structural white	680 lm	3000 K	97 lm / W
38377183	Structural black	680 lm	3000 K	97 lm / W



These items are subject to discount group 1.



Phase section converter

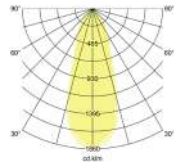
BB33 LED recessed spotlight set, phase section dimmable

Set including converter for 230 V mains voltage, dimmable phase section, dimensions of converter: L 110 x W 50 x H 19 mm

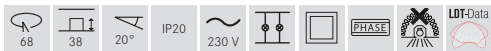
Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 40°, Material: Aluminum / Polycarbonate

Service life:

L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
39377173	Structural white	680 lm	3000 K	97 lm / W
39377183	Structural black	680 lm	3000 K	97 lm / W



These items are subject to discount group 1.



Round converter- phase section

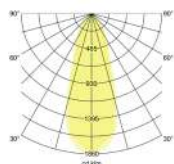
BB33 LED recessed spotlight set, phase section dimmable (round converter)

Set including converter for 230 V mains voltage, dimmable phase section, dimensions of converter: D 51 x H 24 mm

Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 40°, Material: Aluminum / Polycarbonate

Service life:

L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
40377173	Structural white	680 lm	3000 K	97 lm / W
40377183	Structural black	680 lm	3000 K	97 lm / W



These items are subject to discount group 1.



DALI converter

Connection box

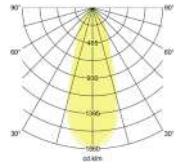
BB33 LED recessed spotlight set, DALI dimmable, with connection box

Set including converter for 230 V mains voltage, dimmable DALI-2, dimensions of converter: L 130 x W 42 x H 22 mm

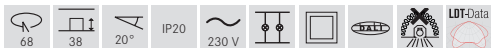
Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 40°, Material: Aluminum / Polycarbonate, Delivery: including connection box, 5-pin

Service life:

L70/B50, 30,000 hrs. (ta: +25 °C)



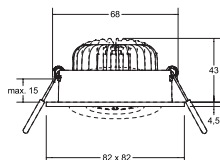
Item no.	Color	Luminous flux	Color temperature	System efficiency
41477173	Structural white	680 lm	3000 K	97 lm / W
41477183	Structural black	680 lm	3000 K	97 lm / W



These items are subject to discount group 1.



Switchable converter

**BB36 LED recessed spotlight set, switchable**

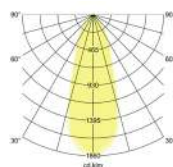
NEW

Set including converter for 230 V mains voltage, switchable, dimensions of converter: L 68 x W 35 x H 21 mm

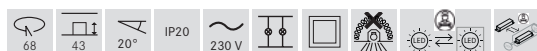
Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 40 °, Material: Aluminum / Polycarbonate

Service life:

L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
38397173	Structural white	680 lm	3000 K	97 lm / W
38397183	Structural black	680 lm	3000 K	97 lm / W



These items are subject to discount group 1.



Phase section converter

BB36 LED recessed spotlight set, dimmable phase section

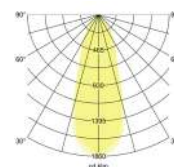
NEW

Set including converter for 230 V mains voltage, dimmable phase section, dimensions of converter: L 110 x W 50 x H 19 mm

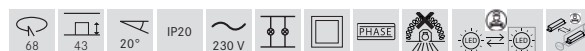
Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 40 °, Material: Aluminum / Polycarbonate

Service life:

L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
39397173	Structural white	680 lm	3000 K	97 lm / W
39397183	Structural black	680 lm	3000 K	97 lm / W



These items are subject to discount group 1.



Round converter- phase section

BB36 LED recessed spotlight set, phase section dimmable (round converter)

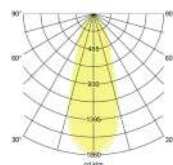
NEW

Set including converter for 230 V mains voltage, dimmable phase section, dimensions of converter: D 51 x H 24 mm

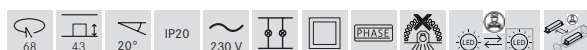
Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 40 °, Material: Aluminum / Polycarbonate

Service life:

L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
40397173	Structural white	680 lm	3000 K	97 lm / W
40397183	Structural black	680 lm	3000 K	97 lm / W



These items are subject to discount group 1.



DALI converter

Connection box

BB36 LED recessed spotlight set, dimmable DALI, with connection box

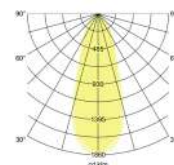
NEW

Set including converter for 230 V mains voltage, dimmable DALI-2, dimensions of converter: L 130 x W 42 x H 22 mm

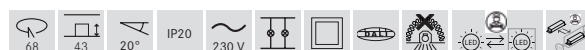
Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 40 °, Material: Aluminum / polycarbonate, Scope of delivery: incl. connection box, 5-pin

Service life:

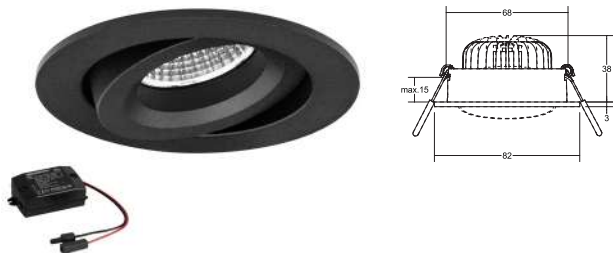
L70/B50, 30,000 hrs (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
41497173	Structural white	680 lm	3000 K	97 lm / W
41497183	Structural black	680 lm	3000 K	97 lm / W



These items are subject to discount group 1.



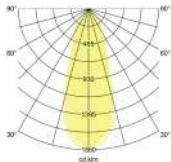
Switchable converter

BB34 LED recessed spotlight set, switchable

Set including converter for 230 V mains voltage, switchable, dimensions of converter: L 68 x W 35 x H 21 mm

Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 40°, Material: Aluminum / Polycarbonate

Service life:
L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
38378173	Structural white	680 lm	3000 K	97 lm / W
38378183	Structural black	680 lm	3000 K	97 lm / W



These items are subject to discount group 1.



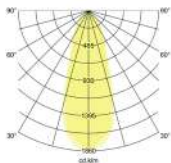
Round converter- phase section

BB34 LED Recessed Spotlight Set, phase section Dimmable (Round Converter)

Set including converter for 230 V mains voltage, dimmable phase section, dimensions of converter: D 51 x H 24 mm

Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 40°, Material: Aluminum / Polycarbonate

Service life:
L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
40378173	Structural white	680 lm	3000 K	97 lm / W
40378183	Structural black	680 lm	3000 K	97 lm / W



These items are subject to discount group 1.



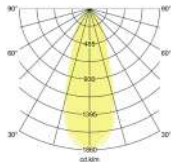
Phase section converter

BB34 LED recessed spotlight set, phase section dimmable

Set including converter for 230 V mains voltage, dimmable phase section, dimensions of converter: L 110 x W 50 x H 19 mm

Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 40°, Material: Aluminum / Polycarbonate

Service life:
L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
39378173	Structural white	680 lm	3000 K	97 lm / W
39378183	Structural black	680 lm	3000 K	97 lm / W



These items are subject to discount group 1.



DALI converter

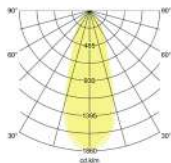
Connection box

BB34 LED recessed spotlight set, DALI dimmable, with connection box

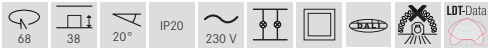
Set including converter for 230 V mains voltage, dimmable DALI-2, dimensions of converter: L 130 x W 42 x H 22 mm

Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 40°, Material: Aluminum / Polycarbonate, Delivery: including connection box, 5-pin

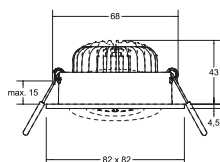
Service life:
L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
41478173	Structural white	680 lm	3000 K	97 lm / W
41478183	Structural black	680 lm	3000 K	97 lm / W



These items are subject to discount group 1.



Switchable converter

BB37 LED recessed spotlight set, switchable

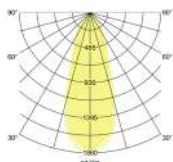
NEW

Set including converter for 230 V mains voltage, switchable, dimensions of converter: L 68 x W 35 x H 21 mm

Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 40 °, Material: Aluminum / Polycarbonate

Service life:

L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
38398173	Structural white	680 lm	3000 K	97 lm / W
38398183	Structural black	680 lm	3000 K	97 lm / W



These items are subject to discount group 1.



Round converter- phase section

BB37 LED recessed spotlight set, phase section dimmable (round converter)

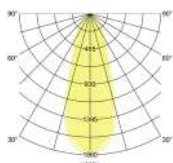
NEW

Set including converter for 230 V mains voltage, dimmable phase section, dimensions of converter: D 51 x H 24 mm

Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 40 °, Material: Aluminum / Polycarbonate

Service life:

L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
40398173	Structural white	680 lm	3000 K	97 lm / W
40398183	Structural black	680 lm	3000 K	97 lm / W



These items are subject to discount group 1.



Phase section converter

BB37 LED recessed spotlight set, dimmable phase section

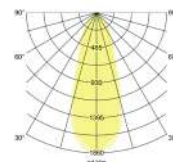
NEW

Set including converter for 230 V mains voltage, dimmable phase section, dimensions of converter: L 110 x W 50 x H 19 mm

Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 40 °, Material: Aluminum / Polycarbonate

Service life:

L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
39398173	Structural white	680 lm	3000 K	97 lm / W
39398183	Structural black	680 lm	3000 K	97 lm / W



These items are subject to discount group 1.



DALI converter



Connection box

BB37 LED recessed spotlight set, dimmable DALI, with connection box

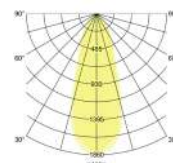
NEW

Set including converter for 230 V mains voltage, dimmable DALI-2, dimensions of converter: L 130 x W 42 x H 22 mm

Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 40 °, Material: Aluminum / polycarbonate, Scope of delivery: incl. connection box, 5-pin

Service life:

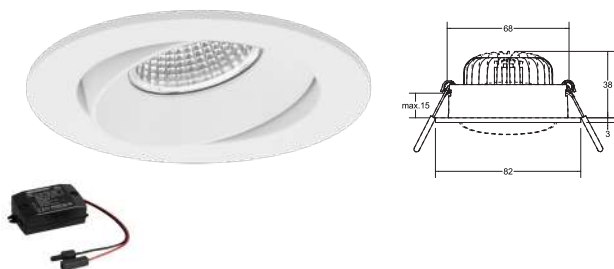
L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
41498173	Structural white	680 lm	3000 K	97 lm / W
41498183	Structural black	680 lm	3000 K	97 lm / W



These items are subject to discount group 1.



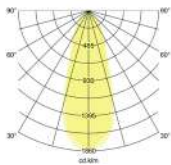
Switchable converter

BB35 LED recessed spotlight set, switchable

Set including converter for 230 V mains voltage, switchable, dimensions of converter: L 68 x W 35 x H 21 mm

Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 40°, Material: Aluminum / Polycarbonate

Service life: L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
38379173	Structural white	680 lm	3000 K	97 lm / W
38379183	Structural black	680 lm	3000 K	97 lm / W



These items are subject to discount group 1.



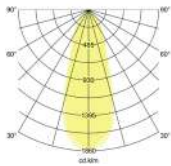
Round converter- phase section

BB35 LED Recessed Spotlight Set, Phase Section Dimmable (Round Converter)

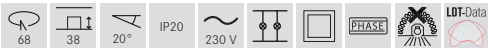
Set including converter for 230 V mains voltage, dimmable phase section, dimensions of converter: D 51 x H 24 mm

Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 40°, Material: Aluminum / Polycarbonate

Service life: L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
40379173	Structural white	680 lm	3000 K	97 lm / W
40379183	Structural black	680 lm	3000 K	97 lm / W



These items are subject to discount group 1.



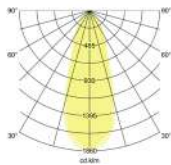
Phase section converter

BB35 LED recessed spotlight set, phase section dimmable

Set including converter for 230 V mains voltage, dimmable phase section, dimensions of converter: L 110 x W 50 x H 19 mm

Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 40°, Material: Aluminum / Polycarbonate

Service life: L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
39379173	Structural white	680 lm	3000 K	97 lm / W
39379183	Structural black	680 lm	3000 K	97 lm / W



These items are subject to discount group 1.



DALI converter

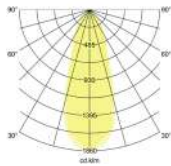
Connection box

BB35 LED recessed spotlight set, DALI dimmable, with connection box

Set including converter for 230 V mains voltage, dimmable DALI-2 dimensions of converter: L 130 x W 42 x H 22 mm

Illuminants: LED, color rendering: CRI > 80, power: 7 W, Beam angle: 40°, Material: Aluminum / Polycarbonate, Delivery: including connection box, 5-pin

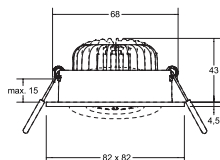
Service life: L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
41479173	Structural white	680 lm	3000 K	97 lm / W
41479183	Structural black	680 lm	3000 K	97 lm / W



These items are subject to discount group 1.



Switchable converter

BB38 LED recessed spotlight set, switchable

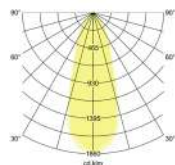
NEW

Set including converter for 230 V mains voltage, switchable, dimensions of converter: L 68 x W 35 x H 21 mm

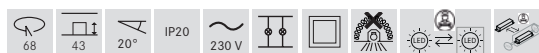
Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 40 °, Material: Aluminum / Polycarbonate

Service life:

L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
38399173	Structural white	680 lm	3000 K	97 lm / W
38399183	Structural black	680 lm	3000 K	97 lm / W



These items are subject to discount group 1.



Round converter- phase section

BB38 LED recessed spotlight set, phase section dimmable (round converter)

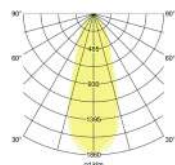
NEW

Set including converter for 230 V mains voltage, dimmable phase section, dimensions of converter: D 51 x H 24 mm

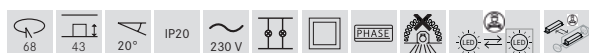
Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 40 °, Material: Aluminum / Polycarbonate

Service life:

L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
40399173	Structural white	680 lm	3000 K	97 lm / W
40399183	Structural black	680 lm	3000 K	97 lm / W



These items are subject to discount group 1.



Phase section converter

BB38 LED recessed spotlight set, dimmable phase section

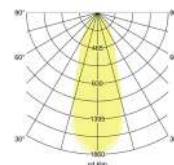
NEW

Set including converter for 230 V mains voltage, dimmable phase section, dimensions of converter: L 110 x W 50 x H 19 mm

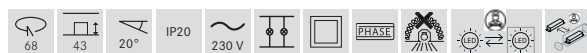
Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 40 °, Material: Aluminum / Polycarbonate

Service life:

L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
39399173	Structural white	680 lm	3000 K	97 lm / W
39399183	Structural black	680 lm	3000 K	97 lm / W



These items are subject to discount group 1.



DALI converter



Connection box

BB38 LED recessed spotlight set, dimmable DALI, with connection box

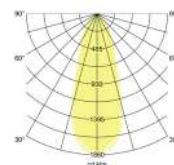
NEW

Set including converter for 230 V mains voltage, dimmable DALI-2, dimensions of converter: L 130 x W 42 x H 22 mm

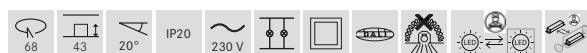
Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 40 °, Material: Aluminum / polycarbonate, Scope of delivery: incl. connection box, 5-pin

Service life:

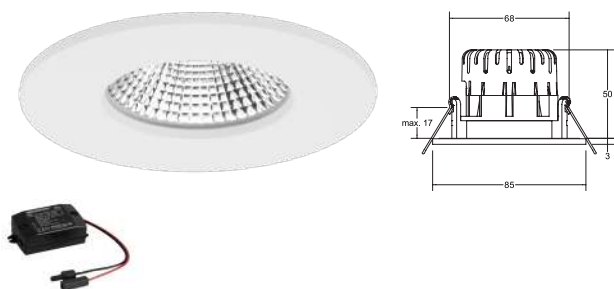
L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
41499173	Structural white	680 lm	3000 K	97 lm / W
41499183	Structural black	680 lm	3000 K	97 lm / W



These items are subject to discount group 1.



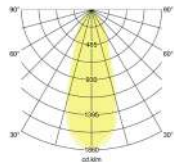
Switchable converter

BB20 LED recessed downlight set, IP65, switchable

Set including converter for 230 V mains voltage, switchable, dimensions of converter: L 68 x W 35 x H 21 mm

Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 36°, material: Aluminum / PMMA

Service life: L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
38480153	Nickel matte	620 lm	3000 K	89 lm / W
38480173	Structural white	620 lm	3000 K	89 lm / W
38480183	Structural black	620 lm	3000 K	89 lm / W



IP65 for installation in closed ceilings
These items are subject to discount group 1.



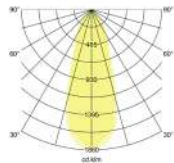
Round converter- phase section

BB20 LED-recessed downlight set, IP65, dimmable phase section (round converter)

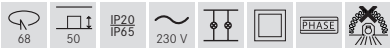
Set including converter for 230 V mains voltage, dimmable phase section, dimensions of converter: D 51 x H 24 mm

Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 36°, material: Aluminum / PMMA

Service life: L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
40480153	Nickel matte	620 lm	3000 K	89 lm / W
40480173	Structural white	620 lm	3000 K	89 lm / W
40480183	Structural black	620 lm	3000 K	89 lm / W



IP65 for installation in closed ceilings
These items are subject to discount group 1.



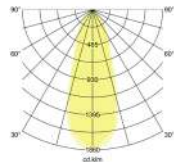
Phase section converter

BB20 LED recessed downlight set, IP65, phase section dimmable

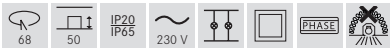
Set including converter for 230 V mains voltage, dimmable phase section, dimensions of converter: L 110 x W 50 x H 19 mm

Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 36°, material: Aluminum / PMMA

Service life: L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
39480153	Nickel matte	620 lm	3000 K	89 lm / W
39480173	Structural white	620 lm	3000 K	89 lm / W
39480183	Structural black	620 lm	3000 K	89 lm / W



IP65 for installation in closed ceilings
These items are subject to discount group 1.



DALI converter

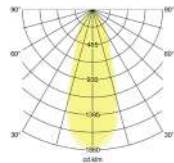
Connection box

BB20 LED recessed downlight set, IP65, dimmable DALI, with connection box

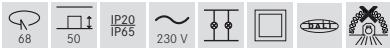
Set including converter for 230 V mains voltage, dimmable DALI-2, dimensions of converter: L 130 x W 42 x H 22 mm

Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 36°, Material: Aluminum / PMMA, Delivery: including connection box, 5-pin

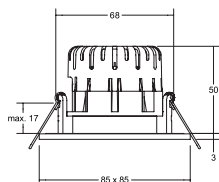
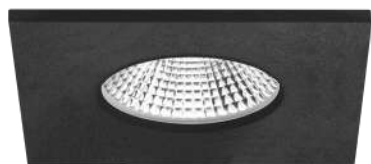
Service life: L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
41480153	Nickel matte	620 lm	3000 K	89 lm / W
41480173	Structural white	620 lm	3000 K	89 lm / W
41480183	Structural black	620 lm	3000 K	89 lm / W



IP65 for installation in closed ceilings
These items are subject to discount group 1.



Switchable converter

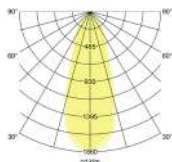
BB21 LED recessed downlight set, IP65, switchable

Set including converter for 230 V mains voltage, switchable, dimensions of converter: L 68 x W 35 x H 21 mm

Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 36°, material: Aluminum / PMMA

Service life:

L70/B50, 30,000 hrs (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
38481153	Nickel matte	620 lm	3000 K	89 lm / W
38481173	Structural white	620 lm	3000 K	89 lm / W
38481183	Structural black	620 lm	3000 K	89 lm / W



IP65 for installation in closed ceilings

These items are subject to discount group 1.



Round converter- phase section

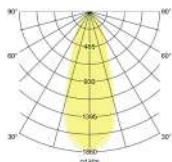
BB21 LED recessed downlight set, IP65, phase section dimmable (round converter)

Set including converter for 230 V mains voltage, dimmable phase section, dimensions of converter: D 51 x H 24 mm

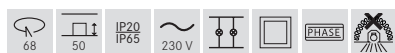
Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 36°, material: Aluminum / PMMA

Service life:

L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
40481153	Nickel matte	620 lm	3000 K	89 lm / W
40481173	Structural white	620 lm	3000 K	89 lm / W
40481183	Structural black	620 lm	3000 K	89 lm / W



IP65 for installation in closed ceilings

These items are subject to discount group 1.

Sizes in mm | All specified prices are non-binding recommended retail prices (RRP) in euros excluding VAT.
Errors subject to change. | Orders are subject to our General Terms and Conditions of Sale printed from page 250 onwards.



Phase section converter

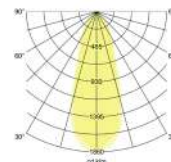
BB21 LED recessed downlight set, IP65, phase section dimmable

Set including converter for 230 V mains voltage, dimmable phase section, dimensions of converter: L 110 x W 50 x H 19 mm

Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 36°, material: Aluminum / PMMA

Service life:

L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
39481153	Nickel matte	620 lm	3000 K	89 lm / W
39481173	Structural white	620 lm	3000 K	89 lm / W
39481183	Structural black	620 lm	3000 K	89 lm / W



IP65 for installation in closed ceilings

These items are subject to discount group 1.



DALI converter



Connection box

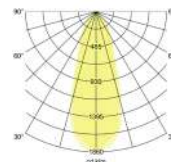
BB21 LED recessed downlight set, IP65, DALI dimmable, with connection box

Set including converter for 230 V mains voltage, dimmable DALI-2, dimensions of converter: L 130 x W 42 x H 22 mm

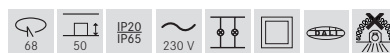
Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 36°, Material: Aluminum / PMMA, Delivery: incl. connection box, 5-pole

Service life:

L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
41481153	Nickel matte	620 lm	3000 K	89 lm / W
41481173	Structural white	620 lm	3000 K	89 lm / W
41481183	Structural black	620 lm	3000 K	89 lm / W



IP65 for installation in closed ceilings

These items are subject to discount group 1.



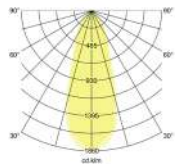
Switchable converter

BB23 LED recessed spotlight set, IP65, switchable

Set including converter for 230 V mains voltage, switchable, dimensions of converter: L 68 x W 35 x H 21 mm

Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 36°, material: Aluminum / Silicone Rubber / PMMA

Service life:
L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
38484153	Nickel matte	620 lm	3000 K	89 lm / W
38484173	Structural white	620 lm	3000 K	89 lm / W
38484183	Structural black	620 lm	3000 K	89 lm / W



IP65 for installation in closed ceilings
[These items are subject to discount group 1.](#)



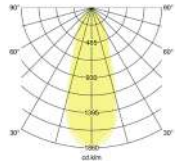
Round converter- phase section

BB23 LED recessed spotlight set, IP65, phase section dimmable (round converter)

Set including converter for 230 V mains voltage, dimmable phase section, dimensions of converter: D 51 x H 24 mm

Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 36°, material: Aluminum / Silicone Rubber / PMMA

Service life:
L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
40484153	Nickel matte	620 lm	3000 K	89 lm / W
40484173	Structural white	620 lm	3000 K	89 lm / W
40484183	Structural black	620 lm	3000 K	89 lm / W



IP65 for installation in closed ceilings
[These items are subject to discount group 1.](#)



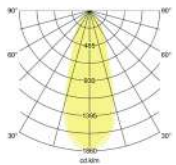
Phase section converter

BB23 LED recessed spotlight set, IP65, phase section dimmable

Set including converter for 230 V mains voltage, dimmable phase section, dimensions of converter: L 110 x W 50 x H 19 mm

Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 36°, material: Aluminum / Silicone Rubber / PMMA

Service life:
L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
39484153	Nickel matte	620 lm	3000 K	89 lm / W
39484173	Structural white	620 lm	3000 K	89 lm / W
39484183	Structural black	620 lm	3000 K	89 lm / W



IP65 for installation in closed ceilings
[These items are subject to discount group 1.](#)



DALI converter

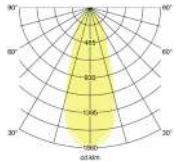
Connection box

BB23 LED recessed spotlight set, IP65, DALI dimmable, with connection box

Set including converter for 230 V mains voltage, dimmable DALI-2, dimensions of converter: L 130 x W 42 x H 22 mm

Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 36°, material: Aluminum / Silicone Rubber / PMMA, Delivery: incl. connection box, 5-pole

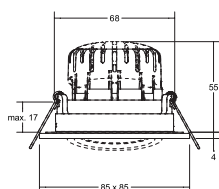
Service life:
L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
41484153	Nickel matte	620 lm	3000 K	89 lm / W
41484173	Structural white	620 lm	3000 K	89 lm / W
41484183	Structural black	620 lm	3000 K	89 lm / W



IP65 for installation in closed ceilings
[These items are subject to discount group 1.](#)



Switchable converter

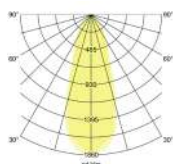
BB25 LED recessed spotlight set, IP65, switchable

Set including converter for 230 V mains voltage, switchable, dimensions of converter: L 68 x W 35 x H 21 mm

Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 36°, material: Aluminum / Silicone Rubber / PMMA

Service life:

L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
38488153	Nickel matte	620 lm	3000 K	89 lm / W
38488173	Structural white	620 lm	3000 K	89 lm / W
38488183	Structural black	620 lm	3000 K	89 lm / W



IP65 for installation in closed ceilings

[These items are subject to discount group 1.](#)



Round converter- phase section

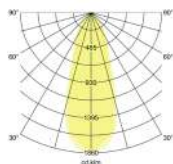
BB25 LED recessed spotlight set, IP65, phase section dimmable (round converter)

Set including converter for 230 V mains voltage, dimmable phase section, dimensions of converter: D 51 x H 24 mm

Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 36°, material: Aluminum / Silicone Rubber / PMMA

Service life:

L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
40488153	Nickel matte	620 lm	3000 K	89 lm / W
40488173	Structural white	620 lm	3000 K	89 lm / W
40488183	Structural black	620 lm	3000 K	89 lm / W



IP65 for installation in closed ceilings

[These items are subject to discount group 1.](#)

Sizes in mm | All specified prices are non-binding recommended retail prices (RRP) in euros excluding VAT.
Errors subject to change. | Orders are subject to our General Terms and Conditions of Sale printed from page 250 onwards.



Phase section converter

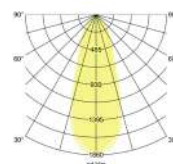
BB25 LED recessed spotlight set, IP65, phase section dimmable

Set including converter for 230 V mains voltage, dimmable phase section, dimensions of converter: L 110 x W 50 x H 19 mm

Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 36°, material: Aluminum / Silicone Rubber / PMMA

Service life:

L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
39488153	Nickel matte	620 lm	3000 K	89 lm / W
39488173	Structural white	620 lm	3000 K	89 lm / W
39488183	Structural black	620 lm	3000 K	89 lm / W



IP65 for installation in closed ceilings

[These items are subject to discount group 1.](#)



DALI converter



Connection box

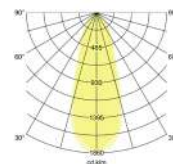
BB25 LED recessed spotlight set, IP65, DALI dimmable, with connection box

Set including converter for 230 V mains voltage, dimmable DALI-2, dimensions of converter: L 130 x W 42 x H 22 mm

Illuminants: LED, color rendering: CRI > 80, power: 7 W, beam angle: 36°, material: Aluminum / Silicone Rubber / PMMA, Delivery: incl. connection box, 5-pole

Service life:

L70/B50, 30,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
41488153	Nickel matte	620 lm	3000 K	89 lm / W
41488173	Structural white	620 lm	3000 K	89 lm / W
41488183	Structural black	620 lm	3000 K	89 lm / W



IP65 for installation in closed ceilings

[These items are subject to discount group 1.](#)

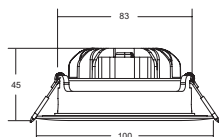
BIG65

LED Recessed ceiling luminaires

More light for interiors.



Available
for delivery
from February
2023.



BIG65 LED recessed downlight, IP65, rigid

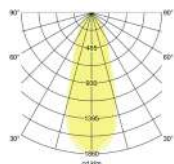
NEW

Illuminants: LED, model: Plug&Play, color rendering: CRI > 80, power: 7.5 W, beam angle: 45 °, Material: Aluminum / PMMA

You will find the corresponding 350-mA converters in the main catalog LICHT 2022 from page 516 onwards.

Service life:

L70/B50, 50,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature
12490153	NEW Nickel matte	730 lm	3000 K
12490173	NEW Structural white	730 lm	3000 K
12490183	NEW Structural black	730 lm	3000 K

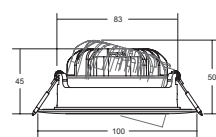


IP65 for installation in closed ceilings.

These items are subject to discount group 1.



Available
for delivery
from February
2023.



BIG65 LED recessed downlight, IP65, swiveling

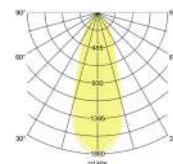
NEW

Illuminants: LED, model: Plug&Play, color rendering: CRI > 80, power: 7.5 W, beam angle: 45 °, Material: Aluminum / Silicone Rubber / PMMA

You will find the corresponding 350-mA converters in the main catalog LICHT 2022 from page 516 onwards.

Service life:

L70/B50, 50,000 hrs. (ta: +25 °C)

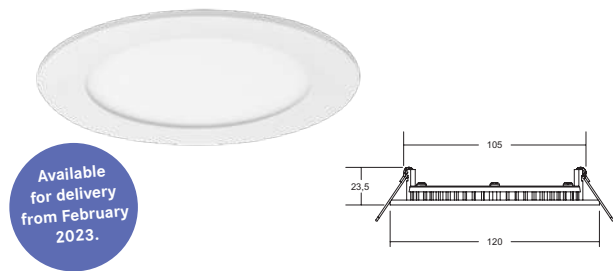


Item no.	Color	Luminous flux	Color temperature
12494153	NEW Nickel matte	730 lm	3000 K
12494173	NEW Structural white	730 lm	3000 K
12494183	NEW Structural black	730 lm	3000 K



IP65 for installation in closed ceilings.

These items are subject to discount group 1.



Available
for delivery
from February
2023.

FLAT350 LED recessed panel, IP44

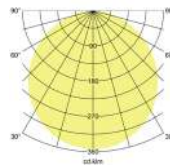
NEW

Illuminants: LED, model: Plug&Play, color rendering: CRI > 80, power: 6 W, beam angle: 115 °, material: Aluminum / PMMA, scope of delivery: incl. switch to adjust color temperature to 2700 K, 3300 K or 4000 K

You will find the corresponding 350-mA converters in the main catalog LICHT 2022 from page 516 onwards..

Service life:

L70/B50, 50,000 hrs. (ta: +25 °C)

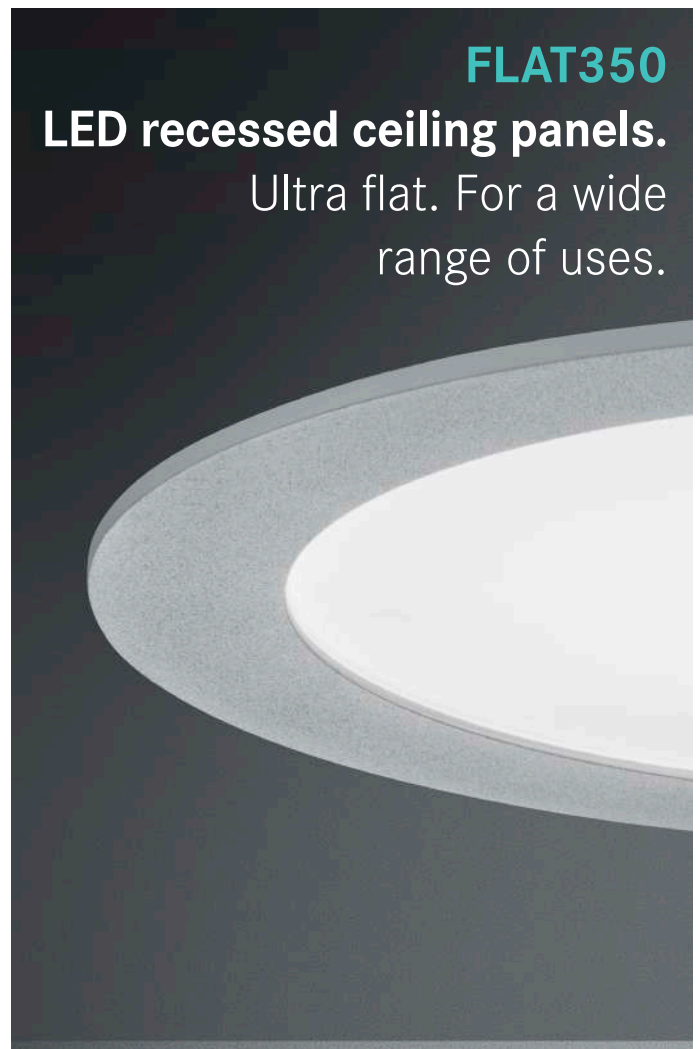


Item no.	Color	Luminous flux	Color temperature
12451173	NEW structural White	560 lm	2700 K / 3300 K / 4000 K
12451183	NEW Structural black	560 lm	2700 K / 3300 K / 4000 K



IP44 when installed in closed ceilings

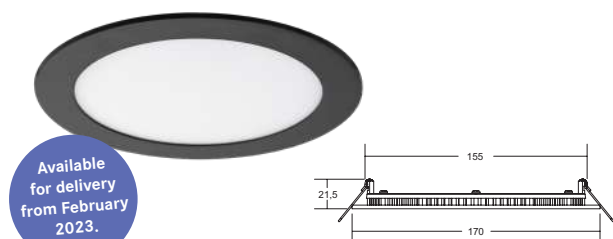
These items are subject to discount group 1.



FLAT350

LED recessed ceiling panels.

Ultra flat. For a wide range of uses.



Available
for delivery
from February
2023.

FLAT350 LED recessed panel, IP44

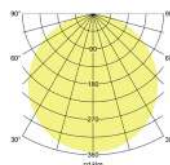
NEW

Illuminants: LED, model: Plug&Play, color rendering: CRI > 80, power: 12 W, beam angle: 115 °, material: Aluminum / PMMA, scope of delivery: incl. switch to adjust color temperature to 2700 K, 3300 K or 4000 K

You will find the corresponding 350-mA converters in the main catalog LICHT 2022 from page 516 onwards.

Service life:

L70/B50, 50,000 hrs. (ta: +25 °C)

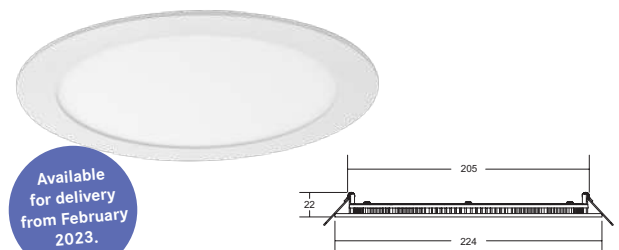


Item no.	Color	Luminous flux	Color temperature
12452173	NEW structural White	1,350 lm	2700 K / 3300 K / 4000 K
12452183	NEW Structural black	1,350 lm	2700 K / 3300 K / 4000 K



IP44 when installed in closed ceilings

These items are subject to discount group 1.



Available
for delivery
from February
2023.

FLAT350 LED recessed panel, IP44

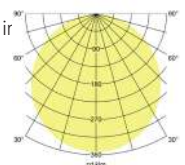
NEW

Illuminants: LED, model: Plug&Play, color rendering: CRI > 80, power: 18.5 W, beam angle: 115 °, material: Aluminum / PMMA, scope of delivery: incl. switch to adjust color temperature to 2700 K, 3300 K or 4000 K

You will find the corresponding 350-mA converters in the main catalog LICHT 2022 from page 516 onwards.

Service life:

L70/B50, 50,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature
12453173	NEW structural White	2,000 lm	2700 K / 3300 K / 4000 K
12453183	NEW Structural black	2,000 lm	2700 K / 3300 K / 4000 K



IP44 when installed in closed ceilings

These items are subject to discount group 1.



0065.17 in structural white
and additional variants



1963.08 in black
and additional variants



0063.17 in structural white
and additional variants



1963.17 in structural white
and additional variants



12226183 in structural black
and additional variants



12227183 in structural black
and additional variants



10040183 in structural black
and additional variants



10042183 in structural black
and additional variants



26004080 in black
and additional variants

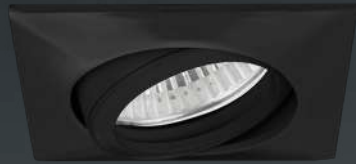


26005080 in black
and additional variants

Black and white. Timeless. Modern.

It stands for a modest and compelling commitment to high-quality design.

Inconspicuous or self-confident, the luminaires integrate into the interior design and set homely, elegant accents beyond all fast-moving trends.



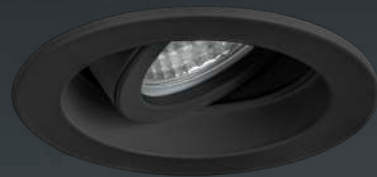
1964.08 in black
and additional variants



1964.17 in structural white
and additional variants



12042183 in structural black
and additional variants



0063.80 in black
and additional variants



12040183 in structural black
and additional variants



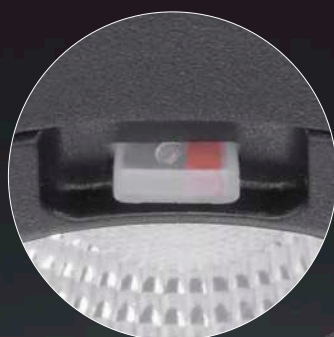
BB-Set 03 in structural white and structural black
and additional variants



12208083 / 12209083 in black
plus new size 50 W and DALI version



BB-Set 05 in structural white and structural black
and additional variants



DIP switch for
setting of the color temperature
from 2700 K to 4000 K.



CHOOOSE.

LED ceiling-mounted downlights.

The right light for all times.

The Chooose LED ceiling-mounted downlight allows flexible adjustment of the color temperature when installed. It can be switched by means of a magnetically attached cover and a DIP switch underneath.

The Chooose downlight series consisting of round and square versions is extremely versatile thanks to its equipment with dimmable converter (phase section) and a ceiling cut-out of 68 mm and can be used for a wide range of requirements.



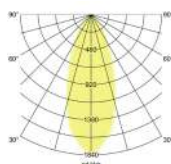
CHOOOSE LED recessed downlight set, with adjustable color temperature, phase section dimmable, IP44.

NEW

Illuminants: LED, color rendering: CRI > 80, beam angle: 40°, power: 4.5 W, material: Aluminum / steel / plastic, incl. converter for connection to 230 V mains voltage, phase section dimmable.

Service life:

L70/B50, > 50.000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature
39253073	NEW White	510 lm	2700 K / 3000 K / 4000 K
39253083	NEW Black	510 lm	2700 K / 3000 K / 4000 K
39253153	NEW Nickel matte	510 lm	2700 K / 3000 K / 4000 K



Luminous flux specification for light color 3000 K. Protection class IP44 when installed in closed ceilings. [These items are subject to discount group 1.](#)

Sizes in mm | All specified prices are non-binding recommended retail prices (RRP) in euros excluding VAT. Errors subject to change. | Orders are subject to our General Terms and Conditions of Sale printed from page 250 onwards.



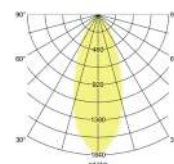
CHOOOSE LED recessed downlight set, with adjustable color temperature, phase section dimmable, IP44.

NEW

Illuminants: LED, color rendering: CRI > 80, beam angle: 40°, power: 4.5 W, material: Aluminum / steel / plastic, incl. converter for connection to 230 V mains voltage, phase section dimmable.

Service life:

L70/B50, > 50.000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature
39255073	NEW White	510 lm	2700 K / 3000 K / 4000 K
39255083	NEW Black	510 lm	2700 K / 3000 K / 4000 K
39255153	NEW Nickel matte	510 lm	2700 K / 3000 K / 4000 K



Luminous flux specification for light color 3000 K. Protection class IP44 when installed in closed ceilings. [These items are subject to discount group 1.](#)

Effective lens and reflector technology for high efficiency and light output.



APOLLO.

LED recessed downlights.

The downlight family for homogeneous illumination through to the setting of precise accents.

Thanks to the wide variety of models and shapes, APOLLO can fulfill various lighting tasks. From homogeneous illumination through to the setting of precise accents.

In combination with its formal restraint, APOLLO is a perfect lighting tool for electricians, designers and planners. The application possibilities that result from this are endless: Whether reception or corridor, office, conference room, store or museum - the luminaires create the appropriate lighting effect in any environment, while meeting all standards as well as ensuring high system efficiency.

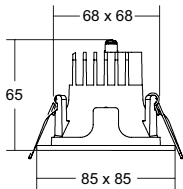
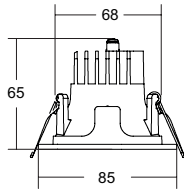
Key features of the products:

- 5-year Brumberg lighting warranty.
- High luminaire efficiency.
- High luminous efficacy: up to 135 lm per watt.
- BEG LED light promotion.
- UGR < 19 = screen/workstation suitable.
- COB LED for long service life
- Effective lens and reflector technology for high efficiency and light output.
- Two designs available (round and square) in four sizes.

Here's a quick configuration table:

Switchable									dimmable DALI
			Housing color			Color temperature			
			Structural silver	Structural white	Structural black	3000 K	3500 K	4000 K	
Micro 5.4 W	round	40611	16	17	18	3	5	4	DA
	square	40641	16	17	18	3	5	4	DA
Mini 9.4 W	round	40612	16	17	18	3	5	4	DA
	square	40642	16	17	18	3	5	4	DA
Midi 14 W	round	40613	16	17	18	3	5	4	DA
	square	40643	16	17	18	3	5	4	DA
Maxi 19.7 W	round	40614	16	17	18	3	5	4	DA
	square	40644	16	17	18	3	5	4	DA
		1	2			3			4

Example: Size Micro, square Version in textured white with 3500 K = item no.:40641175
The previous selection in DALI dimmable = item no.: 40641175DA



Available
for delivery
from April
2023.

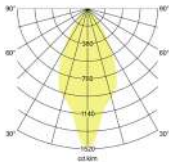
APOLLO MICRO LED recessed downlight

NEW

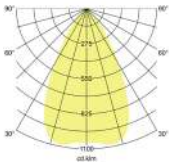
Illuminants: LED, color rendering: CRI > 90, glare rating: UGR < 19, power: 5.4 W, control: switchable, beam angle: Wide flood (50°-60°), material: Aluminum / plastic, incl. converter for 230 V mains voltage, switchable.

Service life:
L80/B10, 50,000 hrs. (ta: +25 °C)

40611...



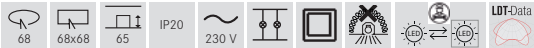
40641...



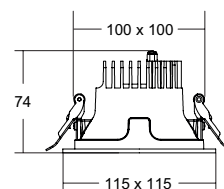
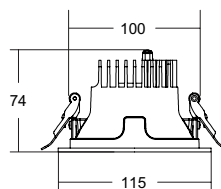
Item no. structural silver	Item no. structural white	Item no. structural black	Beam angle Form		Color temperature	Luminous flux	Color rendering	System efficiency
40611163	40611173	40611183	48°	round	3000 K	677 lm	CRI > 90	125 lm / W
40611165	40611175	40611185	48°	round	3500 K	685 lm	CRI > 90	127 lm / W
40611164	40611174	40611184	48°	round	4000 K	692 lm	CRI > 90	128 lm / W

40641163	40641173	40641183	58°	square	3000 K	668 lm	CRI > 90	124 lm / W
40641165	40641175	40641185	58°	square	3500 K	675 lm	CRI > 90	125 lm / W
40641164	40641174	40641184	58°	square	4000 K	683 lm	CRI > 90	126 lm / W

DALI variants available on request.



These items are subject to discount group 1.



Available
for delivery
from April
2023.

APOLLO MINI LED recessed downlight

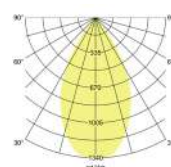
NEW

Illuminants: LED, color rendering: CRI > 90, glare rating: UGR < 19, power: 9.4 W, control: switchable, beam angle: Wide flood (50°-60°), material: Aluminum / plastic, incl. converter for 230 V mains voltage, switchable.

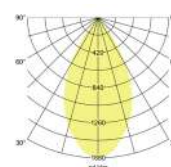
Service life:

L80/B10, 50,000 hrs. (ta: +25 °C)

40612...

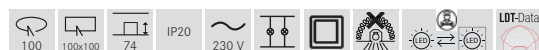


40642...

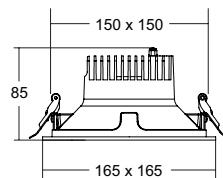
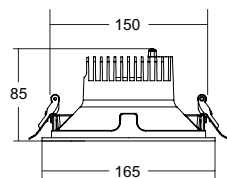


Item no. struc- tural silver	Item no. structural white	Item no. struc- tural black	Beam angle Form		Color temperature	Luminous flux	Color rendering	System efficiency
40612163	40612173	40612183	58°	round	3000 K	1,219 lm	CRI > 90	130 lm / W
40612165	40612175	40612185	58°	round	3500 K	1,247 lm	CRI > 90	133 lm / W
40612164	40612174	40612184	58°	round	4000 K	1,233 lm	CRI > 90	131 lm / W
40642163	40642173	40642183	54°	square	3000 K	1,201 lm	CRI > 90	128 lm / W
40642165	40642175	40642185	54°	square	3500 K	1,229 lm	CRI > 90	131 lm / W
40642164	40642174	40642184	54°	square	4000 K	1,215 lm	CRI > 90	129 lm / W

DALI variants available on request.



These items are subject to discount group 1.



Available
for delivery
from April
2023.

APOLLO MIDI LED recessed downlight

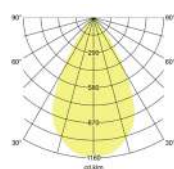
NEW

Illuminants: LED, color rendering: CRI > 90, glare rating: UGR < 19, power: 14 W, control: switchable, beam angle: Wide flood (50°-60°), material: Aluminum / plastic, incl. converter for 230 V mains voltage, switchable.

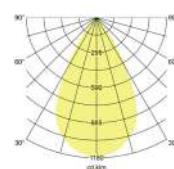
Service life:

L80/B10, 50,000 hrs. (ta: +25 °C)

40613...



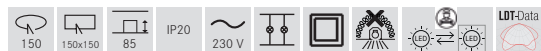
40643...



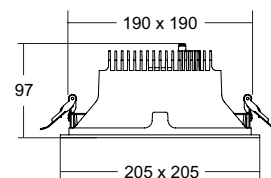
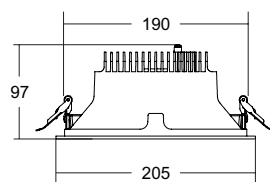
Item no. structural silver	Item no. structural white	Item no. structural black	Beam angle Form		Color temperature	Luminous flux	Color rendering	System efficiency
40613163	40613173	40613183	58°	round	3000 K	1,875 lm	CRI > 90	134 lm / W
40613165	40613175	40613185	58°	round	3500 K	1,897 lm	CRI > 90	136 lm / W
40613164	40613174	40613184	58°	round	4000 K	1,919 lm	CRI > 90	137 lm / W

40643163	40643173	40643183	57°	square	3000 K	1,875 lm	CRI > 90	134 lm / W
40643165	40643175	40643185	57°	square	3500 K	1,897 lm	CRI > 90	136 lm / W
40643164	40643174	40643184	57°	square	4000 K	1,919 lm	CRI > 90	137 lm / W

DALI variants available on request.



These items are subject to discount group 1.



Available
for delivery
from April
2023.

APOLLO MAXI LED recessed downlight

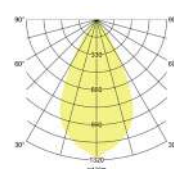
NEW

Illuminants: LED, color rendering: CRI > 90, glare rating: UGR < 19, power: 19.7 W, control: switchable, beam angle: Wide flood (50°-60°), material: Aluminum / plastic, incl. converter for 230 V mains voltage, switchable.

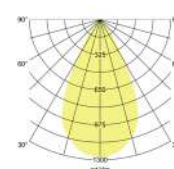
Service life:

L80/B10, 50,000 hrs. (ta: +25 °C)

40614...

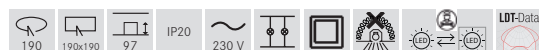


40644...

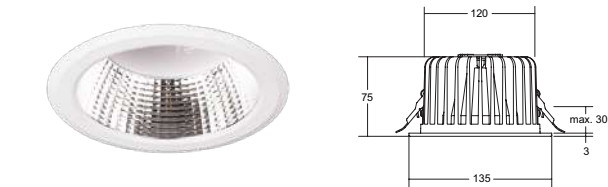


Item no. structural silver	Item no. struc- tural white	Item no. struc- tural black	Beam angle	Form	Color temperature	Luminous flux	Color rendering	System efficiency
40614163	40614173	40614183	54°	round	3000 K	2,276 lm	CRI > 90	116 lm / W
40614165	40614175	40614185	54°	round	3500 K	2,606 lm	CRI > 90	132 lm / W
40614164	40614174	40614184	54°	round	4000 K	2,636 lm	CRI > 90	134 lm / W
40644163	40644173	40644183	57°	square	3000 K	2,590 lm	CRI > 90	131 lm / W
40644165	40644175	40644185	57°	square	3500 K	2,620 lm	CRI > 90	133 lm / W
40644164	40644174	40644184	57°	square	4000 K	2,651 lm	CRI > 90	135 lm / W

DALI variants available on request.



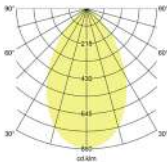
These items are subject to discount group 1.



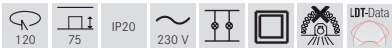
KACIE MICRO LED recessed downlight

Illuminants: LED, glare rating: **UGR < 22**, Power: 11 W,
Beam angle: 65°, material: Aluminum / polycarbonate / steel,
incl. converter for 230 V mains voltage

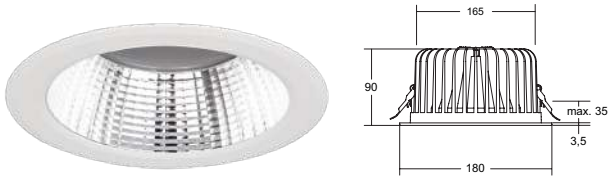
Service life:
L70/B10, 50,000 hrs. (ta: +25 °C)



Item no.	Color	Color rendering	Color temperature	Luminous flux	Control	System efficiency
12560173	Structural white	CRI > 90	3000 K	801 lm	Switchable	73 lm / W
12560174	Structural white	CRI > 90	4000 K	850 lm	Switchable	77 lm / W
12562173	Structural white	CRI > 90	3000 K	801 lm	DALI	73 lm / W
12562174	Structural white	CRI > 90	4000 K	850 lm	DALI	77 lm / W
12560183	Structural black	CRI > 90	3000 K	801 lm	Switchable	73 lm / W
12560184	Structural black	CRI > 90	4000 K	850 lm	Switchable	77 lm / W
12562183	Structural black	CRI > 90	3000 K	801 lm	DALI	73 lm / W
12562184	Structural black	CRI > 90	4000 K	850 lm	DALI	77 lm / W



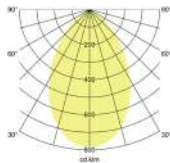
These items are subject to discount group 2.



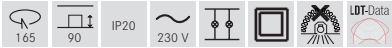
KACIE MINI LED-Recessed downlight

Illuminants: LED, glare rating: **UGR < 22**, power: 19 W,
beam angle: 68°, material: Aluminum / Polycarbonate / Steel
incl. converter for 230 V mains voltage

Service life:
L70/B10, 50,000 hrs. (ta: +25 °C)



Item no.	Color	Color rendering	Color temperature	Luminous flux	Control	System efficiency
12570173	Structural white	CRI > 90	3000 K	1,235 lm	Switchable	65 lm / W
12570174	Structural white	CRI > 90	4000 K	1,310 lm	Switchable	69 lm / W
12572173	Structural white	CRI > 90	3000 K	1,235 lm	DALI	65 lm / W
12572174	Structural white	CRI > 90	4000 K	1,310 lm	DALI	69 lm / W
12570183	Structural black	CRI > 90	3000 K	1,235 lm	Switchable	65 lm / W
12570184	Structural black	CRI > 90	4000 K	1,310 lm	Switchable	69 lm / W
12572183	Structural black	CRI > 90	3000 K	1,235 lm	DALI	65 lm / W
12572184	Structural black	CRI > 90	4000 K	1,310 lm	DALI	69 lm / W



These items are subject to discount group 2.

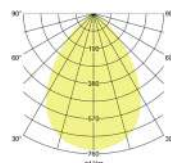


KACIE MIDI LED recessed downlight

Illuminants: LED, glare rating: **UGR < 22**, power: 25 W, beam angle: 74°, material: Aluminum / polycarbonate / steel incl. converter for 230 V mains voltage.

Service life:

L70/B10, 50,000 hrs. (ta: +25 °C)



Item no.	Color	Color rendering	Color temperature	Luminous flux	Control	System efficiency
12550173	Structural white	CRI > 90	3000 K	1,877 lm	Switchable	75 lm / W
12550174	Structural white	CRI > 90	4000 K	1,962 lm	Switchable	78 lm / W
12552173	Structural white	CRI > 90	3000 K	1,877 lm	DALI	75 lm / W
12552174	Structural white	CRI > 90	4000 K	1,962 lm	DALI	78 lm / W
12550183	Structural black	CRI > 90	3000 K	1,877 lm	Switchable	75 lm / W
12550184	Structural black	CRI > 90	4000 K	1,962 lm	Switchable	78 lm / W
12552183	Structural black	CRI > 90	3000 K	1,877 lm	DALI	75 lm / W
12552184	Structural black	CRI > 90	4000 K	1,962 lm	DALI	78 lm / W



These items are subject to discount group 2.

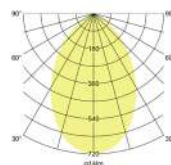


KACIE MAXI LED recessed downlight

Illuminants: LED, glare rating: **UGR < 22**, power: 32.5 W
Beam angle: 70°, material: Aluminum / Polycarbonate / Steel
incl. converter for 230 V mains voltage

Service life:

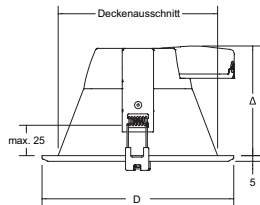
L70/B10, 50,000 hrs. (ta: +25 °C)



Item no.	Color	Color rendering	Color temperature	Luminous flux	Control	System efficiency
12551173	Structural white	CRI > 90	3000 K	2,600 lm	Switchable	80 lm / W
12551174	Structural white	CRI > 90	4000 K	2,720 lm	Switchable	84 lm / W
12553173	Structural white	CRI > 90	3000 K	2,600 lm	DALI	80 lm / W
12553174	Structural white	CRI > 90	4000 K	2,720 lm	DALI	84 lm / W
12551183	Structural black	CRI > 90	3000 K	2,600 lm	Switchable	80 lm / W
12551184	Structural black	CRI > 90	4000 K	2,720 lm	Switchable	84 lm / W
12553183	Structural black	CRI > 90	3000 K	2,600 lm	DALI	80 lm / W
12553184	Structural black	CRI > 90	4000 K	2,720 lm	DALI	84 lm / W



These items are subject to discount group 2.

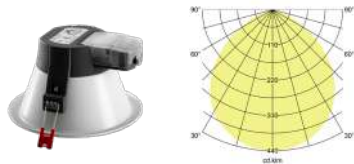


- Simple and tool-free mounting.
- Quick through-wiring using plug-in terminal.
- Installation in different ceiling types for ceiling thickness 2 to 20 mm is possible.

KIZZIE MINI / MAXI LED recessed downlight

Illuminants: LED, color rendering: CRI > 80, beam angle: 100°,
Material: Aluminum / polycarbonate / steel, incl. converter for 230 V mains voltage.

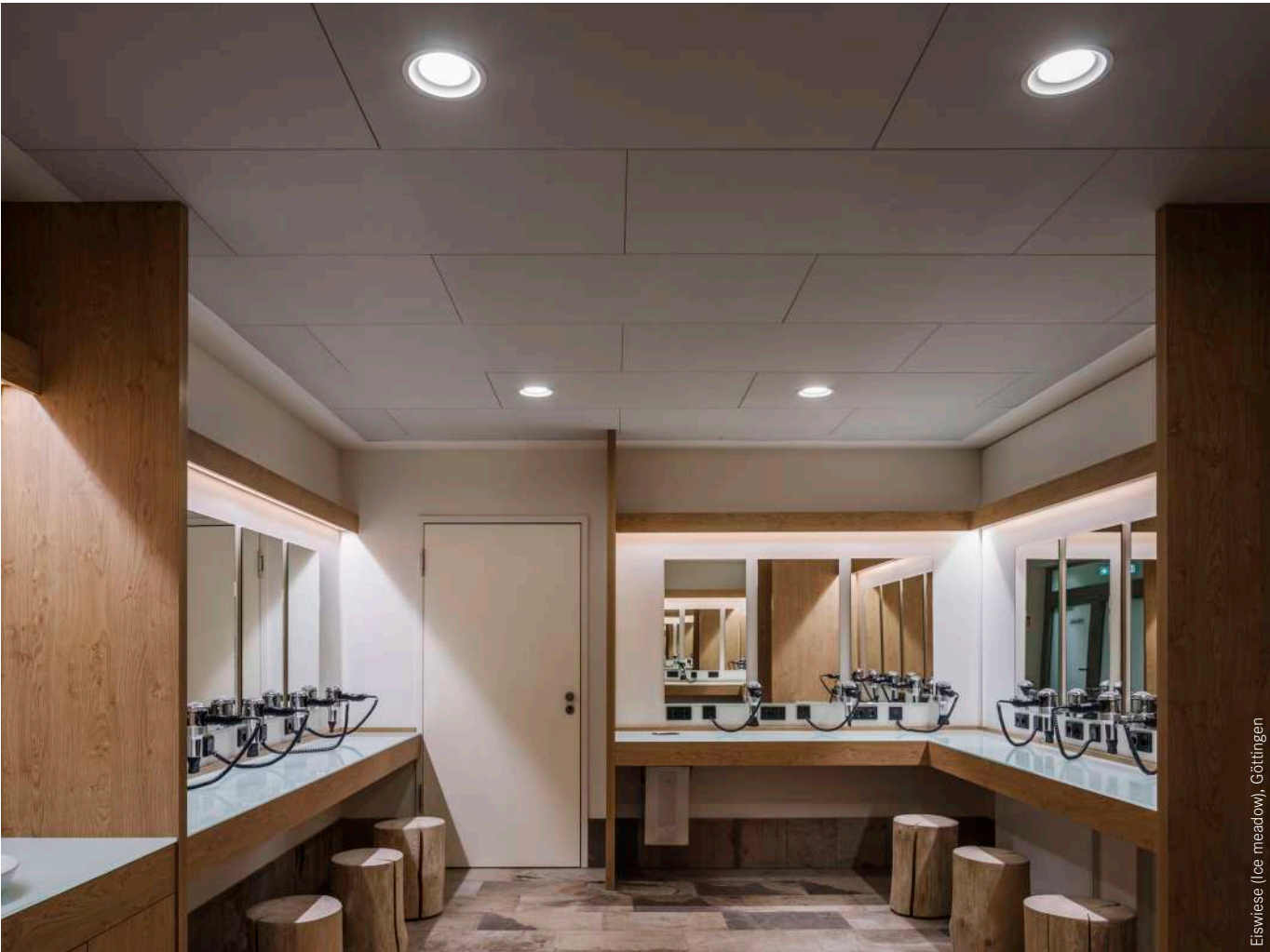
Service life:
L70/B50, 50,000 hrs. (ta: +25 °C)



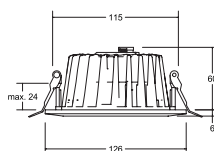
Item no.	Color	Power	Color temperature	Luminous flux	UGR	Ceiling cut-outs	Diameter x installation depth	System efficiency
12540073	White	12 W	3000 K	1,200 lm	< 22	150 mm	167 x 100 mm	100 lm / W
12540074	White	12 W	4000 K	1,200 lm	< 22	150 mm	167 x 100 mm	100 lm / W
12541073	White	21 W	3000 K	2,100 lm	< 26	200 mm	217 x 110 mm	100 lm / W
12541074	White	21 W	4000 K	2,100 lm	< 26	200 mm	217 x 110 mm	100 lm / W



* IP44 when installed in closed ceilings
These items are subject to discount group 1.



Eiswiese (Ice meadow), Göttingen

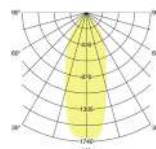


LYDON MINI LED recessed downlight

Illuminants: LED, color rendering: CRI > 80, glare rating: UGR < 19, power: 20 W, beam angle: 40°, Material: Aluminum / Glass / Plastic, delivery: incl. converter for connection to 230 V mains voltage and connection box

Service life:

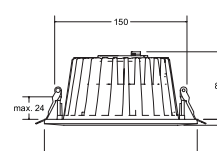
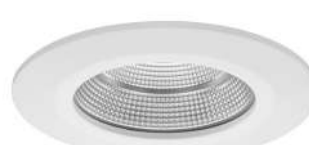
L70/B20, 50.000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	Control	System efficiency
41542073	White	1,380 lm	3000 K	Switchable	69 lm / W
41542074	White	1,470 lm	4000 K	Switchable	75 lm / W
41552073	White	1,380 lm	3000 K	DALI	69 lm / W
41552074	White	1,470 lm	4000 K	DALI	75 lm / W



These items are subject to discount group 2.

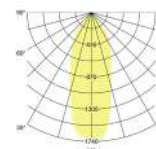


LYDON MIDI LED recessed downlight

Illuminants: LED, color rendering: CRI > 80, glare rating: UGR < 19, power: 30 W, beam angle: 40°, Material: Aluminum / glass / plastic, delivery: incl. converter for connection with 230 V mains voltage and connection box

Service life:

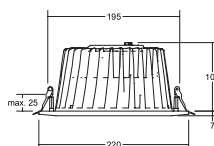
L70/B20, 50.000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	Control	System efficiency
41543073	White	2,300 lm	3000 K	Switchable	77 lm / W
41543074	White	2,400 lm	4000 K	Switchable	80 lm / W
41553073	White	2,300 lm	3000 K	DALI	77 lm / W
41553074	White	2,400 lm	4000 K	DALI	80 lm / W



These items are subject to discount group 2.

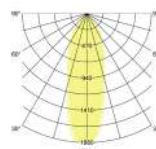


LYDON MAXI LED recessed downlight

Illuminants: LED, color rendering: CRI > 80, glare rating: UGR < 19, power: 36.3 W, beam angle: 45°, Material: Aluminum / Glass / plastic, delivery: incl. converter for connection with 230 V mains voltage and connection box

Service life:

L70/B20, 50.000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	Control	System efficiency
41544073	White	3,650 lm	3000 K	Switchable	101 lm / W
41544074	White	4,000 lm	4000 K	Switchable	110 lm / W
41554073	White	3,650 lm	3000 K	DALI	101 lm / W
41554074	White	4,000 lm	4000 K	DALI	110 lm / W



These items are subject to discount group 2.

1

Interior lighting

03

Ceiling surface-mounted luminaires

Setting decorative accents.

**MOON LED recessed/
surface-mounted panel**

p. 124

SUNNY LED surface-mounted downlight

p. 128

INDY LED surface-mounted downlight

p. 132

**GAVAN LED surface-mounted
ceiling lights**

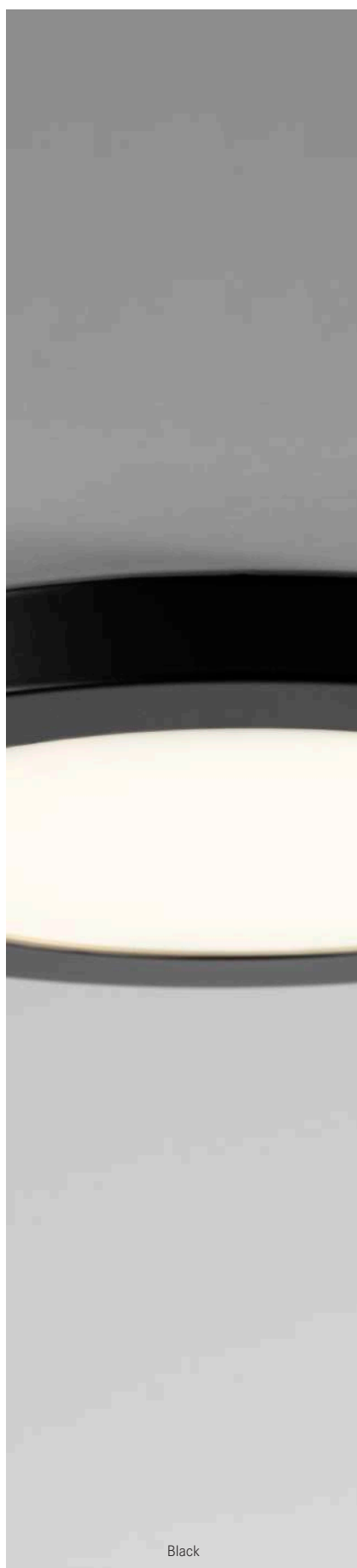
p. 134

**GAREK LED surface-mounted
ceiling luminaires**

p. 135



Eliswiese (lee meadow), Göttingen



MOON.

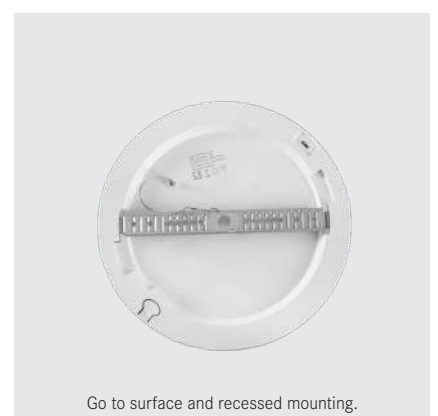
Flexible all-rounder for renovation and conversion.

The MOON luminaire comes in three sizes and offers three wattages with different lumen packages depending on the size. In addition, the color temperature can be adjusted on site to 3000, 4000 or 6000 Kelvin via a DIP switch. The variable borehole makes for easy installation. MOON is suitable for screw and spring mounting as well as for surface and flush mounting. This product line provides optimum illumination for floors, passageways or waiting areas. Thanks to the integrated arresting cable, the luminaire is very easy to install. The installation can be carried out by one person, as the luminaire is hooked onto the spring with the arresting cable during installation.

Simply well made. Flexible hole size for ceiling mounting. Anyone who renovates buildings is often faced with the challenge of integrating new luminaires into existing ceiling cut-outs. The flexibly adjustable mounting spring of the MOON helps eliminate possible "frown lines". For example, it can be adjusted to 65 to 155 millimeters, 210 millimeters or even 310 millimeters for a round cut-out. Luminaires from the MOON series can thus be easily inserted into an existing borehole.

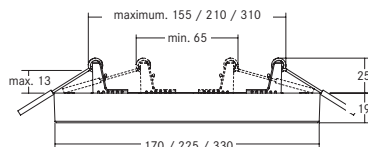
Key features of the products:

- 5-year Brumberg lighting warranty.
- Suitable for both screw (surface) and spring (recessed) mounting.
- Can be used in existing hole size from 65 mm to max. 310 mm.
- Three sizes: 170 mm (12 W), 225 mm (18 W) or 330 mm (24 W).
- On-site adjustable color temperature: 3000 K, 4000 K or 6000 K.
- Interchangeable magnetic front ring in chrome, black and satin nickel (as accessories).
- Delivery: incl. converter for connection to 230 V mains voltage, dimmable via phase section.



Switchable color temperature
3000 K, 4000 K or 6000 K.

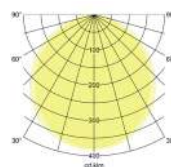




MOON LED recessed or surface mounted panel, phase section dimmable

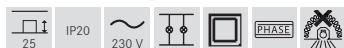
Luminaire can be used as both recessed and surface mounted panel.

Illuminants: LED, **color rendering:** CRI > 80, **beam angle:** 110°, **material:** Aluminum / plastic, **delivery:** incl. converter for connection to 230 V mains voltage, **phase section dimmable**, **color temperature adjustable on housing.**



Item no.	Color	Power	Luminous flux	Color temperature	Ceiling cut-out*	Installation depth*	Height	Diameter	System efficiency
12205073	White	12 W	1,020 lm	3000 K / 4000 K / 6000 K	minimum 65 mm, maximum 155 mm	25 mm	19 mm	170 mm	95 lm / W
12206073	White	18 W	1,685 lm	3000 K / 4000 K / 6000 K	min. 65 mm, max. 210 mm	25 mm	19 mm	225 mm	93 lm / W
12207073	White	24 W	2,345 lm	3000 K / 4000 K / 6000 K	min. 65 mm, max. 310 mm	25 mm	19 mm	330 mm	115 lm / W

* for recessed mounting



These items are subject to discount group 1.



3000 K



4000 K



6000 K



Chromium



Black



Nickel matte

Front rings: Color selection (magnetic attachment)

Item no.	Description
81020502	Front ring for 12205... chromium, round
81020508	Front ring for 12205... black, round
81020515	Front ring for 12205... nickel matte, round
81020602	Front ring for 12206... chrome, round
81020608	Front ring for 12206... black, round
81020615	Front ring for 12206... nickel matte, round
81020702	Front ring for 12207... chrome, round
81020708	Front ring for 12207... black, round
81020715	Front ring for 12207... nickel matte, round

These items are subject to discount group 1.

Recessed mounting: Luminaires can be installed very easily thanks to the integrated fuse suspension. Luminaires can be installed by one person, as the fuse suspension is hooked onto the spring. The round cut-out can be flexibly adjusted on the luminaire. This allows it to be used in an existing hole size from 65 to a maximum of 310 millimeters.

Surface mounting: First, the supplied installation springs are removed. The luminaire can be easily attached to the ceiling with the mounting bracket.





SUNNY.

Indirectly set accents.

SUNNY wins you over with its "direct and indirect" virtues of simple bayonet mounting, flexible light color adjustment and with an additionally deliverable color ring for the indirect component, which can color-mark building areas.

The color temperature can be adjusted on site to 3000, 4000 or 6000 Kelvin. These lights are therefore suitable for numerous applications ranging from private homes to public buildings.

Key features of the products:

- 5-year Brumberg lighting warranty.
- Standard indirect component in white, as accessories in amber, blue and red.
- Easy installation thanks to bayonet mounting and arresting cable.
- Luminaire removable thanks to separate mounting plate.
- Three sizes: 330 mm, 440 mm or 550 mm.
- Three on-site adjustable light colors: 3000 K, 4000 K and 6000 K.
- Also available as suspended version (accessories: suspended set).
- Light color adjustable on switch side via bottom switch function.
- Dimmable via phase section or DALI (size 550 mm).

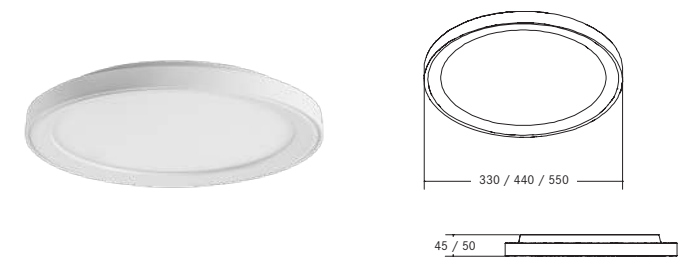


Installation: Fast, tool-free mounting thanks to separate mounting plate and modular system design. The luminaire housing is screwed on without tools by means of bayonet fixing.



Additional **color ring sets** for indirect ambient lighting and additional **suspended set**.





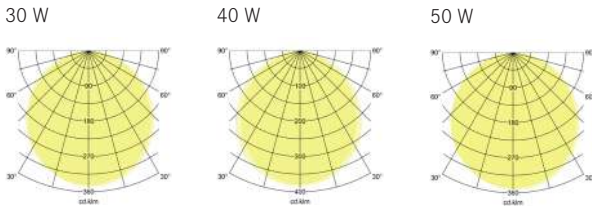
SUNNY LED ceiling mounted downlight-
Dimmable phase section

NEW

Direct and indirect light emission.

Illuminants: LED, color rendering: CRI > 80, glare rating: UGR < 25, beam angle: 110 °, Material: Aluminum / steel / polystyrene, Scope of delivery: incl. converter for connection to 230 V mains voltage, phase section dimmable and incl. adjustable color temperature to 3000 K, 4000 K or 6000 K (switchover on housing or via wall-mounted switch via bottom switch function).

Optional accessories: Color ring set for the indirect component in the red, blue and amber colors as well as a 1,500 mm suspended set.

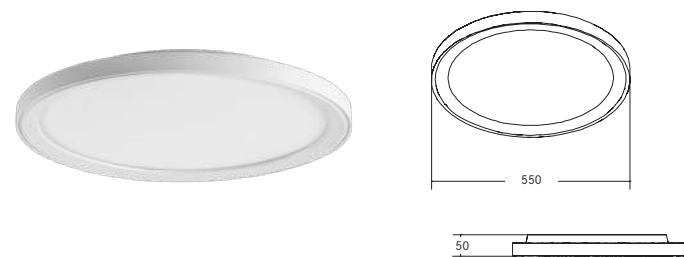


Item no.	Color	Power	Luminous flux	Color temperature	Installation height	Diameter	System efficiency
12208073	White	30 W	2,700 lm	3000 K / 4000 K / 6000 K	45 mm	330 mm	90 lm / W
12208083	NEW Black	30 W	2,700 lm	3000 K / 4000 K / 6000 K	45 mm	330 mm	90 lm / W
12209073	White	40 W	3,750 lm	3000 K / 4000 K / 6000 K	50 mm	440 mm	94 lm / W
12209083	NEW Black	40 W	3,750 lm	3000 K / 4000 K / 6000 K	50 mm	440 mm	94 lm / W
12214073*	NEW White	50 W	4,400 lm	3000 K / 4000 K / 6000 K	50 mm	550 mm	88 lm / W
12214083*	NEW Black	50 W	4,400 lm	3000 K / 4000 K / 6000 K	50 mm	550 mm	88 lm / W



These items are subject to discount group 2.





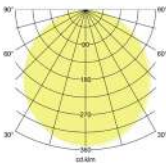
SUNNY LED surface mounted downlight,
DALI dimmable

NEW

Direct and indirect light emission.

Illuminants: LED, color rendering: CRI > 80, glare rating: UGR < 25, beam angle: 110 °, Material: Aluminum / steel / polystyrene, scope of delivery: includes converter for connection to 230 V mains voltage, DALI dimmable. Optional accessory: Color ring set for the indirect component in the red, blue and amber colors as well as a 1,500 mm suspended set.

50 W



Optional accessories: Color ring set for the indirect component in the red, blue and amber colors as well as a 1,500 mm suspended set.

Item no.	Color	Power	Luminous flux	Color temperature	Control	Installation height	Diameter	System efficiency
12260073	NEW White	50 W	4,250 lm	3000 K	DALI	50 mm	550 mm	85 lm / W
12260083	NEW Black	50 W	4,250 lm	3000 K	DALI	50 mm	550 mm	85 lm / W



These items are subject to discount group 2.

Additional **color ring sets** for indirect ambient lighting and additional **suspended set**.



Item no.	Description
81020806	Color ring set for 12208 red
81020808	Color ring set for 12208 blue
81020809	Color ring set for 12208 amber
81020906	Color ring set for 12209 red
81020908	Color ring set for 12209 blue
81020909	Color ring set for 12209 amber
81021406	NEW Color ring set for 12214 / 12260 red
81021408	NEW Color ring set for 12214 / 12260 blue
81021409	NEW Color ring set for 12214 / 12260 amber
81018070	suspended set for SUNNY LED
81018080	NEW surface-mounted downlight 12208... / 12209..., 2214... / 12260... round, suspended length 1,500 mm

Installation: Fast, tool-free mounting thanks to separate mounting plate and modular system design. The luminaire housing is screwed on without tools by means of bayonet fixing.



These items are subject to discount group 2.



Luminous flux 1,370 lm.

INDY

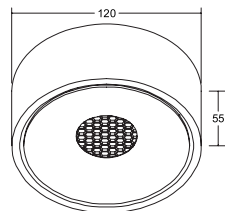
LED surface mounted downlight.

Enormously flat, decorative and bright.

The INDY LED surface-mounted downlight is a super-flat LED surface-mounted downlight with a high luminous efficacy of 1,370 lm, making it ideal for pathways such as hallways and corridors, as well as for rooms with high ceilings.

The luminaire can be conveniently dimmed via phase section. The decorative indirect light component additionally creates a pleasant room atmosphere.

To simplify installation, the bezel is magnetically attached and additionally equipped with a safety rope as fall protection.



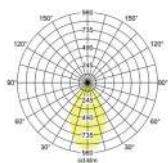
INDY LED surface mounted downlight with indirect component, phase section dimmable.

NEW

Illuminants: LED, color rendering: CRI > 90, power: 12.2 W + 2 W (indirect component), beam angle: 36°, material: Aluminum, delivery incl. converter for connection to 230 V mains voltage, phase section dimmable.

Service life:

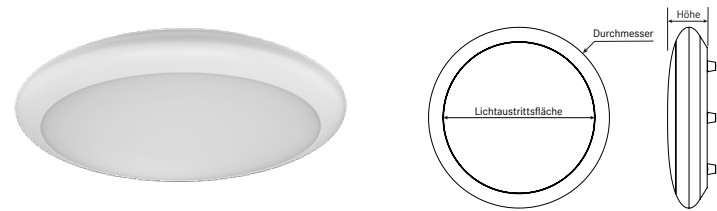
L70/B50, > 50.000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	System efficiency
12066173 NEW	Structural white	1,370 lm	3000 K	96 lm / W



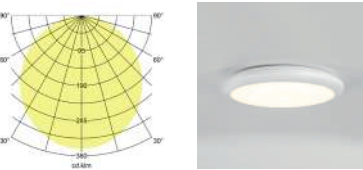
This item is subject to discount group 1.



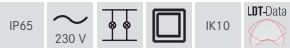
GAVAN LED surface-mounted ceiling luminaire, IP65

Illuminants: LED, beam angle: 120°, Color rendering: CRI > 80, color temperature: 3000 K, material: Plastic, impact resistance: IK10, including converter for connection with 230 V mains voltage, switchable

Service life:
L70/B50, > 50.000 hrs. (ta: +25 °C)

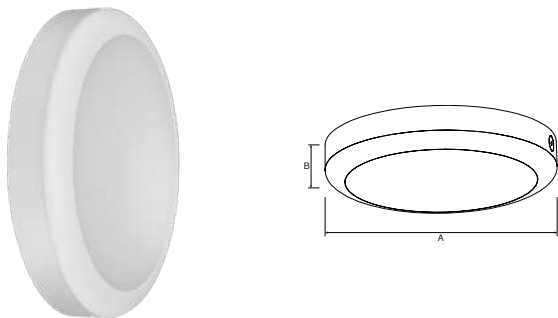


Item no.	Color	Power	Luminous flux	Height	Diameter	Light emission surface	System efficiency
32034073	White	18 W	1,710 lm	70 mm	320 mm	268 mm	95 lm / W
32035073	White	25 W	2,370 lm	85 mm	420 mm	358 mm	95 lm / W
32036073	White	30 W	2,700 lm	85 mm	520 mm	440 mm	90 lm / W



These items are subject to discount group 1.





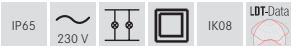
GAREK LED wall & ceiling surface mounted luminaire, IP65

Illuminants: LED, beam angle: 110°, color rendering: CRI > 80, Color temperature: 3000 K, material: Plastic, impact resistance: IK08, Incl. converter for connection to 230 V mains voltage, switchable

Service life:
L70/B50, > 50.000 hrs. (ta: +25 °C)



Item no.	Color	Power	Luminous flux	Height (B)	Diameter (A)	System efficiency
32040073	White	15 W	1,200 lm	60 mm	300 mm	80 lm / W



This item is subject to discount group 1.



1

Interior lighting

04

Wall-mounted luminaires.

Set accents, secure paths and illuminate selectively.

ADAPTwall LED recessed

wall-mounted luminaire

p. 138

WALLKIT68 LED recessed wall luminaire

p. 140



Magnetically fixed bezel for
easy and quick installation.



ADAPTwall

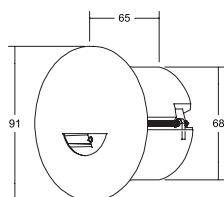
LED wall-mounted recessed luminaire

Soft light for better orientation at night.

ADAPTwall is a shapely, unobtrusive recessed wall-mounted luminaire.

The soft shapes create a pleasant transition to the architecture.

The bezel in black or white is fixed by a magnet and can thus be removed for easy and quick installation.



ADAPTwall LED recessed wall-mounted luminaire set, for device boxes, switchable

NEW

Set including converter for 230 V mains voltage, switchable, dimensions of converter: L 52 x W 30 x H 23 mm

For installation in hollow wall or concrete device sockets with an installation depth of at least 62 mm (screw spacing: 60 mm). Compatible with Kaiser device sockets for installation in hollow wall, item no. 9064-02 or 9464-02, or installation in concrete, item no. 1556-04. Caution: The delivery is WITHOUT the device socket.

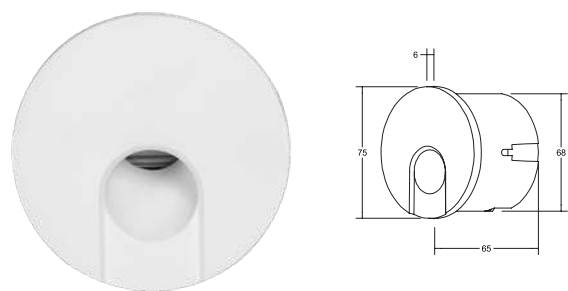
Illuminants: LED, color rendering: CRI > 90, power: 2 W,
Material: Aluminum / Steel / Plastic

Item no.	Color	Luminous flux	Color temperature	System efficiency
10371073	NEW White	180 lm	3000 K	90 lm / W
10371083	NEW Black	180 lm	3000 K	90 lm / W



Note: Illustrated with the Kaiser socket 9064-02 in the sketch.
However, this is NOT included in the scope of delivery of the luminaire!

[These items are subject to discount group 1.](#)



WALL KIT68 LED wall-mounted recessed luminaire, for device sockets

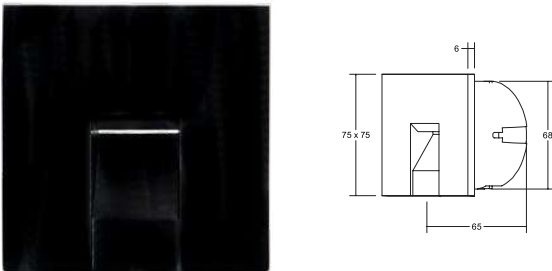
For installation in hollow wall or concrete device sockets with an installation depth of at least 62 mm (screw spacing: 60 mm). Compatible with Kaiser device sockets for installation in hollow wall, item no. 9064-02 or 9464-02, or installation in concrete, item no. 1556-04. Caution: The delivery is WITHOUT the device socket.

Illuminants: LED, color rendering: CRI > 90, power: 1.5 W, material: Aluminum / Steel / Plastic

Item no.	Color	Luminous flux	Color temperature
10156073	White	70 lm	3000 K
10156083	Black	70 lm	3000 K



Note: Illustrated with the Kaiser socket 9064-02 in the sketch.
However, this is NOT included in the scope of delivery of the luminaire!
[These items are subject to discount group 1.](#)



WALL KIT68 LED wall-mounted recessed luminaire, for device sockets

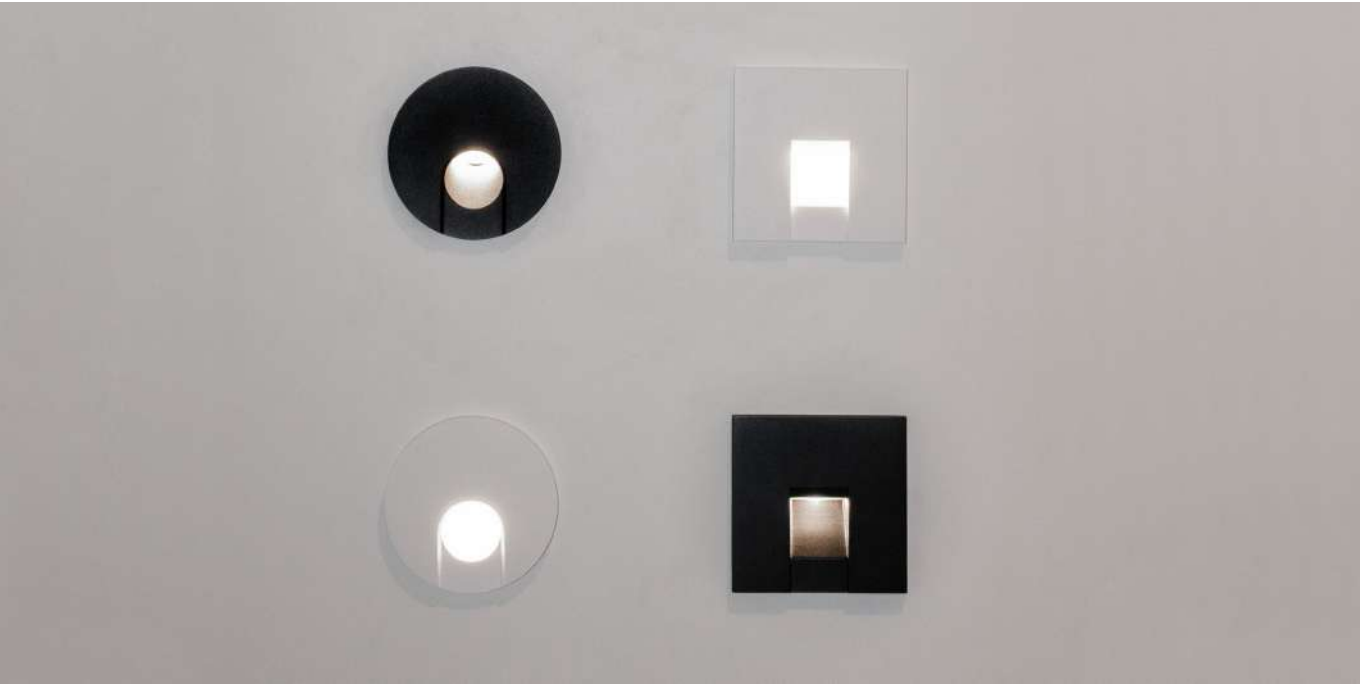
For installation in hollow wall or concrete device sockets with an installation depth of at least 62 mm (screw spacing: 60 mm). Compatible with Kaiser device sockets for installation in hollow wall, item no. 9064-02 or 9464-02, or installation in concrete, item no. 1556-04. Caution: The delivery is WITHOUT the device socket.

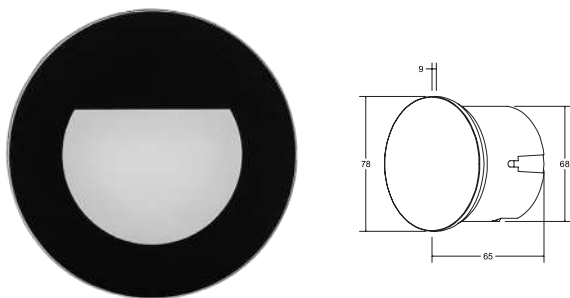
Illuminants: LED, color rendering: CRI > 90, power: 1.5 W, material: Aluminum / Steel / Plastic

Item no.	Color	Luminous flux	Color temperature
10157073	White	70 lm	3000 K
10157083	Black	70 lm	3000 K



Note: Illustrated with the Kaiser socket 9064-02 in the sketch.
However, this is NOT included in the scope of delivery of the luminaire!
[These items are subject to discount group 1.](#)





WALL KIT68 LED wall-mounted recessed luminaire, for device sockets

For installation in hollow wall or concrete device sockets with an installation depth of at least 62 mm (screw spacing: 60 mm). Compatible with Kaiser device sockets for installation in hollow wall, item no. 9064-02 or 9464-02, or installation in concrete, item no. 1556-04. Caution: The delivery is WITHOUT the device socket.

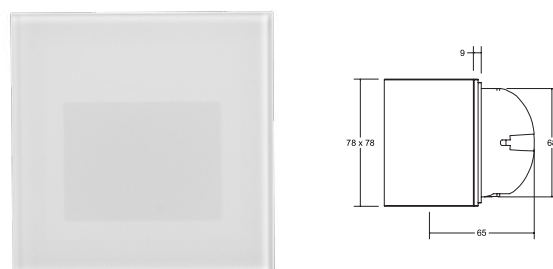
Illuminants: LED, color rendering: CRI > 90, power: 1.5 W, material: Aluminum / Steel / Glass / Plastic, delivery: including cover glass

Item no.	Color	Luminous flux	Color temperature
10158073	White	35 lm	3000 K
10158083	Black	35 lm	3000 K



Note: Illustrated with the Kaiser socket 9064-02 in the sketch. However, this is NOT included in the scope of delivery of the luminaire!

[These items are subject to discount group 1.](#)



WALL KIT68 LED wall-mounted recessed luminaire, for device sockets

For installation in hollow wall or concrete device sockets with an installation depth of at least 62 mm (screw spacing: 60 mm). Compatible with Kaiser device sockets for installation in hollow wall, item no. 9064-02 or 9464-02, or installation in concrete, item no. 1556-04. Caution: The delivery is WITHOUT the device socket.

Illuminants: LED, color rendering: CRI > 90, power: 1.5 W, material: Aluminum / Steel / Glass / Plastic, delivery: including cover glass

Item no.	Color	Luminous flux	Color temperature
10159073	White	35 lm	3000 K
10159083	Black	35 lm	3000 K



Note: Illustrated with the Kaiser socket 9064-02 in the sketch. However, this is NOT included in the scope of delivery of the luminaire!

[These items are subject to discount group 1.](#)



1

Interior lighting

05

Mirror luminaires.

The fixed point in every bathroom.

MIRROR LED-mirror luminaires

p. 144





MIRROR LED wall mounted mirror luminaire, IP44

LED mirror luminaire with edge lighting on both sides.

Illuminants: LED, color rendering: CRI > 90, power: 2 x 12 W, luminous flux: 2 x 1,238 lm, material: Crystal mirror glass / Aluminum, dimensions: H 600 x W 600 x D 30 mm

Service life:
L70/B50, 60,000 hrs. (ta: +25 °C)

Item no.	Luminous flux	Color temperature	System efficiency
58321003	2,476 lm	3000 K	103 lm / W



This item is subject to discount group 2.



MIRROR LED wall mounted mirror luminaire, IP44

LED mirror luminaire with edge lighting on one side.

Illuminants:LED, color rendering: CRI > 90, power: 17 W, luminous flux: 1,788 lm, material: Crystal mirror glass / aluminum, dimensions: H 800 x W 500 x D 30 mm

Service life:
L70/B50, 60,000 hrs (ta: +25 °C)

Item no.	Luminous flux	Color temperature	System efficiency
58311003	1,788 lm	3000 K	105 lm / W



This item is subject to discount group 2.



MIRROR LED wall mounted mirror luminaire, IP44

LED mirror luminaire with edge lighting on both sides.

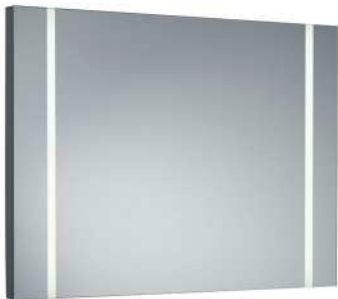
Illuminants: LED, color rendering: CRI > 90, power: 2 x 17 W, luminous flux: 2 x 1,788 lm, material: Crystal mirror glass / aluminum, dimensions: H 800 x W 600 x D 30 mm

Service life:
L70/B50, 60,000 hrs. (ta: +25 °C)

Item no.	Luminous flux	Color temperature	System efficiency
58322003	3,576 lm	3000 K	105 lm / W



This item is subject to discount group 2.



MIRROR LED wall mounted mirror luminaire, IP44

LED mirror luminaire with edge lighting on both sides.

Illuminants: LED, color rendering: CRI > 90, power: 2 x 14 W, luminous flux: 2 x 1,512 lm, material: Crystal mirror glass / aluminum, dimensions: H 600 x W 800 x D 30 mm

Service life:
L70/B50, 60,000 hrs. (ta: +25 °C)

Item no.	Luminous flux	Color temperature	System efficiency
58301003	3,024 lm	3000 K	108 lm / W



This item is subject to discount group 2.



MIRROR LED wall mounted mirror luminaire, IP44

LED mirror luminaire with edge lighting on both sides.

Illuminants:LED, color rendering: CRI > 90, power: 2 x 20 W, luminous flux: 2 x 2,062 lm, material: Crystal mirror glass / aluminum, dimensions: H 800 x W 800 x D 30 mm

Service life:

L70/B50, 60,000 hrs. (ta: +25 °C)

Item no.	Luminous flux	Color temperature	System efficiency
58302003	4,124 lm	3000 K	103 lm / W



This item is subject to discount group 2.



MIRROR LED wall mounted mirror luminaire, IP44

LED mirror luminaire with edge lighting on both sides.

Illuminants:LED, color rendering: CRI > 90, power: 2 x 17 W, luminous flux: 2 x 1,788 lm, material: Crystal mirror glass / Aluminum, dimensions: H 800 x W 800 x D 30 mm

Service life:

L70/B50, 60,000 hrs. (ta: +25 °C)

Item no.	Luminous flux	Color temperature	System efficiency
58323003	3,576 lm	3000 K	105 lm / W



This item is subject to discount group 2.



MIRROR LED wall mounted mirror luminaire, IP44

LED mirror luminaire with edge lighting on one side.

Illuminants:LED, color rendering: CRI > 90, power: 17 W, luminous flux:1,788 lm, material: Crystal mirror glass / aluminum, dimensions: H 1.000 x W 500 x D 30 mm

Service life:

L70/B50, 60,000 hrs. (ta: +25 °C)

Item no.	Luminous flux	Color temperature	System efficiency
58312003	1,788 lm	3000 K	105 lm / W



This item is subject to discount group 2.

1

Interior lighting



06

Track spotlights & busbars. Perfectly staged retail areas.

RETAIL ONE LED track spotlight
MINI LED track spotlight
MAXI LED-track spotlight

p. 148
p. 150
p. 151

Accessories for 3-circuit track
Accessories for DALI 3-phase track

p. 152
p. 154

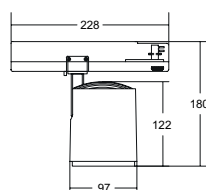




RETAIL ONE

LED track spotlight.

High system efficiency for targeted product presentation.



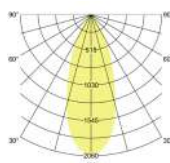
RETAIL ONE LED track spotlight

NEW

Illuminants: LED, input voltage: 220-240 V AC, 50-60 Hz, Performance: 31 W, beam angle: 40°, Material: Aluminum, delivery: including operating device, switchable

Service life:

L80/B50, 50,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	Color temperature	Color rendering	System efficiency
88184163 NEW	Structural silver	3,816 lm	3000 K	CRI > 90	123 lm / W
88184165 NEW	Structural silver	3,861 lm	3500 K	CRI > 90	125 lm / W
88184164 NEW	Structural silver	3,906 lm	4000 K	CRI > 90	126 lm / W
88184173 NEW	Structural white	3,816 lm	3000 K	CRI > 90	123 lm / W
88184175 NEW	Structural white	3,861 lm	3500 K	CRI > 90	125 lm / W
88184174 NEW	Structural white	3,906 lm	4000 K	CRI > 90	126 lm / W
88184183 NEW	Structural black	3,816 lm	3000 K	CRI > 90	123 lm / W
88184185 NEW	Structural black	3,861 lm	3500 K	CRI > 90	125 lm / W
88184184 NEW	Structural black	3,906 lm	4000 K	CRI > 90	126 lm / W

DALI variants and other beam angles on request.



These items are subject to discount group 1.

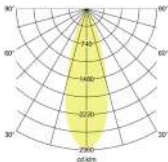
Sizes in mm | All specified prices are non-binding recommended retail prices (RRP) in euros excluding VAT.
Errors subject to change. | Orders are subject to our General Terms and Conditions of Sale printed from page 250 onwards.



MINI LED track spotlight

Illuminants: LED, input voltage: 220-240 V AC, 50-60 Hz,
Performance: 23 W, beam angle: 36°, material: Aluminum,
delivery: including operating device, switchable

Service life:
L80/B50, 50,000 hrs. (ta: +25 °C)



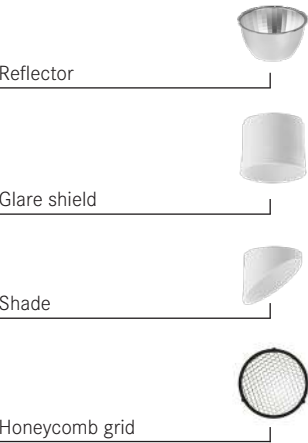
Item no.	Color	Control	Luminous flux	Color temperature	Color rendering	System efficiency
88393173	Structural white	switchable, 1-Phase	2,686 lm	3000 K	CRI > 90	117 lm / W
88393175	Structural white	switchable, 1-Phase	2,779 lm	3500 K	CRI > 90	121 lm / W
88393174	Structural white	switchable, 1-Phase	2,876 lm	4000 K	CRI > 90	125 lm / W
88393183	Structural black	switchable, 1-Phase	2,686 lm	3000 K	CRI > 90	117 lm / W
88393185	Structural black	switchable, 1-Phase	2,779 lm	3500 K	CRI > 90	121 lm / W
88393184	Structural black	switchable, 1-Phase	2,876 lm	4000 K	CRI > 90	125 lm / W
88393683	Structural silver	switchable, 1-Phase	2,686 lm	3000 K	CRI > 90	117 lm / W
88393685	Structural silver	switchable, 1-Phase	2,779 lm	3500 K	CRI > 90	121 lm / W
88393684	Structural silver	switchable, 1-Phase	2,876 lm	4000 K	CRI > 90	125 lm / W

DALI variants available on request.



These items are subject to discount group 1.

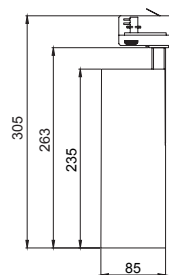
Accessories:



Item no.	Description	Color
81393002 NEW	Reflector 24°	Silver
81393003 NEW	Reflector 36°	Silver

Item no.	Description	Color
81393170	Glare shield	Structural white
81393180	Glare shield	Structural black
81393680	Glare shield	Structural silver
81393171	Shade	Structural white
81393181	Shade	Structural black
81393681	Shade	Structural silver
81393182	Honeycomb grid	Black

These items are subject to discount group 1.

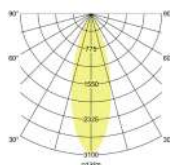


MAXI LED track spotlight

Illuminants: LED, input voltage: 220-240 V AC, 50-60 Hz, power: 32 W, beam angle: 35°, Material: Aluminum, delivery: including operating device, switchable

Service life:

L80/B50, 50,000 hrs. (ta: +25 °C)



Item no.	Color	Control	Luminous flux	Color temperature	Color rendering	System efficiency
88397173	Structural white	switchable, 1-Phase	3,495 lm	3000 K	CRI > 90	109 lm / W
88397175	Structural white	switchable, 1-Phase	3,617 lm	3500 K	CRI > 90	113 lm / W
88397174	Structural white	switchable, 1-Phase	3,870 lm	4000 K	CRI > 90	121 lm / W
88397183	Structural black	switchable, 1-Phase	3,495 lm	3000 K	CRI > 90	109 lm / W
88397185	Structural black	switchable, 1-Phase	3,617 lm	3500 K	CRI > 90	113 lm / W
88397184	Structural black	switchable, 1-Phase	3,870 lm	4000 K	CRI > 90	121 lm / W
88397683	Structural silver	switchable, 1-Phase	3,495 lm	3000 K	CRI > 90	109 lm / W
88397685	Structural silver	switchable, 1-Phase	3,617 lm	3500 K	CRI > 90	113 lm / W
88397684	Structural silver	switchable, 1-Phase	3,870 lm	4000 K	CRI > 90	121 lm / W

DALI variants available on request.



These items are subject to discount group 1.

Accessories:



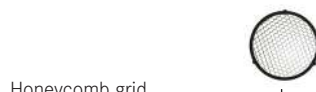
Reflector



Glare shield



Shade



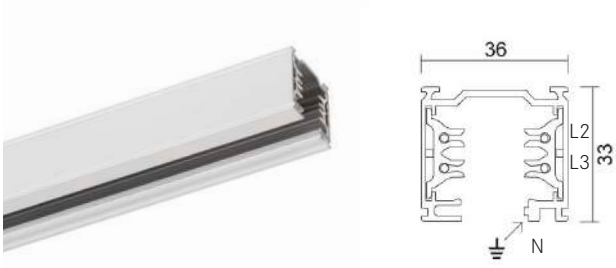
Honeycomb grid

Item no.	Description	Color
81397002 NEW	Reflector 20°	Silver
81397003 NEW	Reflector 35°	Silver
81397004 NEW	Reflector 45°	Silver

Item no.	Description	Color
81397170	Glare shield	Structural white
81397180	Glare shield	Structural black
81397680	Glare shield	Structural silver
81397171	Shade	Structural white
81397181	Shade	Structural black
81397681	Shade	Structural silver
81397182	Honeycomb grid	Black

These items are subject to discount group 1.

3-phase busbars



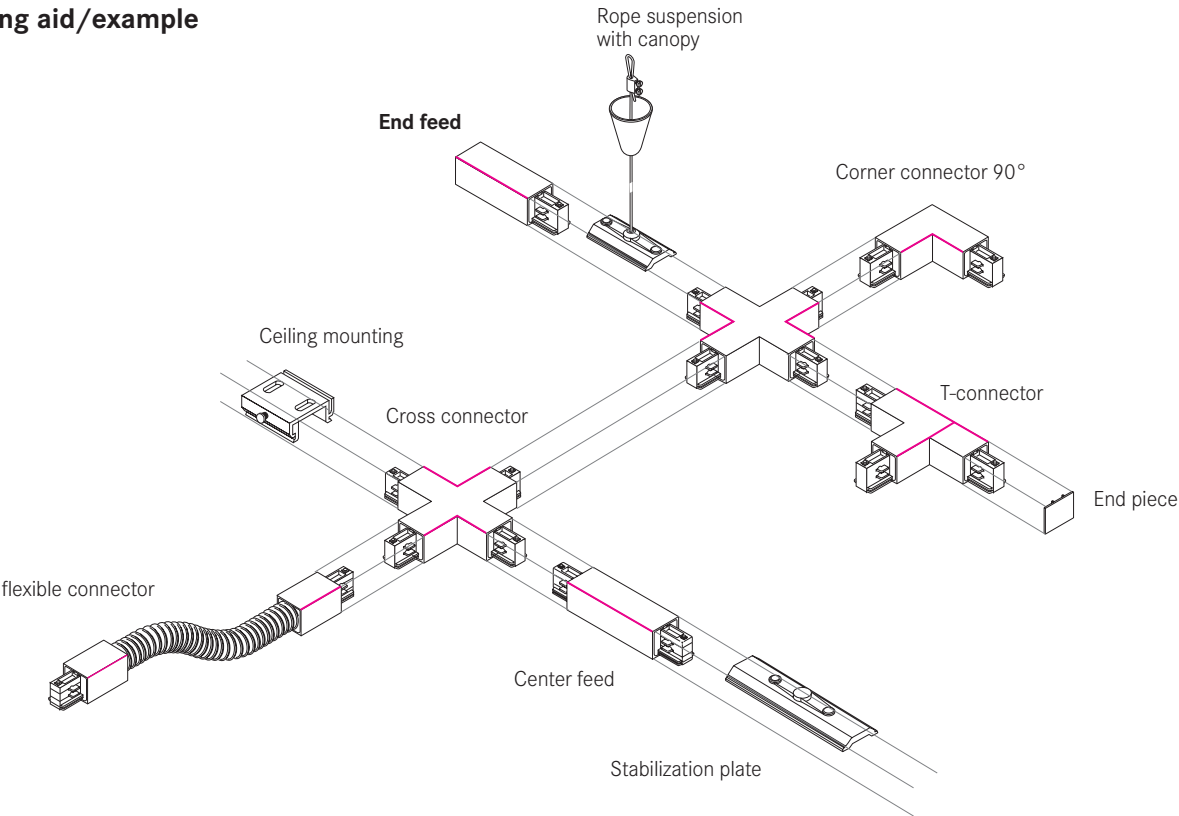
3-phase busbars

Item no.	Length	Color
88101070	1,000 mm	White
88101080	1,000 mm	Black
88101250	1,000 mm	Silver
88102070	2,000 mm	White
88102080	2,000 mm	Black
88102250	2,000 mm	Silver
88103070	3,000 mm	White
88103080	3,000 mm	Black
88103250	3,000 mm	Silver
88104070	4,000 mm	White
88104080	4,000 mm	Black
88104250	4,000 mm	Silver



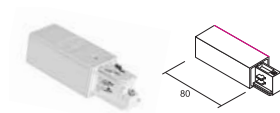
These items are subject to discount group 1.

Planning aid/example



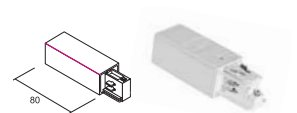
3-Phase accessories

End feed, protective conductor to the left



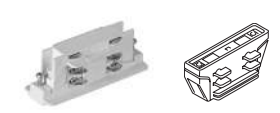
Item no.	Color
88123070	White
88123080	Black
88123680	Silver

End feed, protective conductor to the right



Item no.	Color
88122070	White
88122080	Black
88122680	Silver

Electrical connector



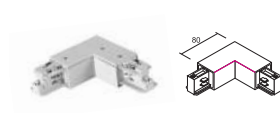
Item no.	Color
88114070	White
88114080	Black
88114680	Silver

Mechanical connector



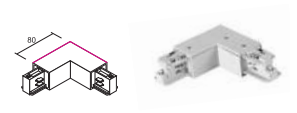
Item no.	Color
88125070	White
88125080	Black

Corner connector 90°, inner protective conductor



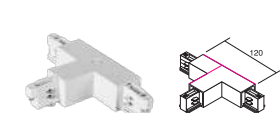
Item no.	Color
88126070	White
88126080	Black
88126680	Silver

Corner connector 90°, outer protective conductor



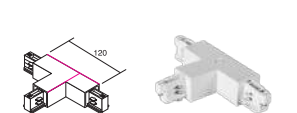
Item no.	Color
88127070	White
88127080	Black
88127680	Silver

T-connector, protective conductor on the left



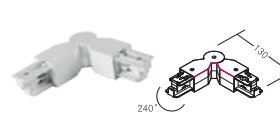
Item no.	Color
88129070	White
88129080	Black
88129680	Silver

T-connector, protective conductor on the right



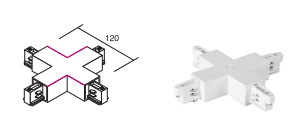
Item no.	Color
88128070	White
88128080	Black
88128680	Silver

Flex corner connector, inner protective conductor



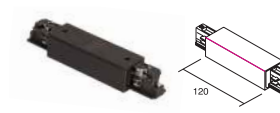
Item no.	Color
88134070	White
88134080	Black
88134680	Silver

Cross connector



Item no.	Color
88130070	White
88130080	Black
88130680	Silver

Center feed



Item no.	Color
88124070	White
88124080	Black
88124680	Silver

Flexible connector



Item no.	Color
88131070	White
88131080	Black
88131680	Silver

Stabilization plate, aluminum-raw



Item no.	Length
88116250	120 mm

Ceiling mounting, aluminum-raw



Item no.	Length
88119250	120 mm

End piece



Item no.	Color
88132070	White
88132080	Black
88132680	Silver

Penetration protection for busbar, 1,000 mm



Item no.	Color
88133070	White
88133080	Black

Rope suspension with quick release



Item no.	Color	Suspension length
88135000	Silver	2,000 mm
88136000	Silver	3,000 mm
88137000	Silver	5,000 mm
Rope thickness: 1.2 mm		

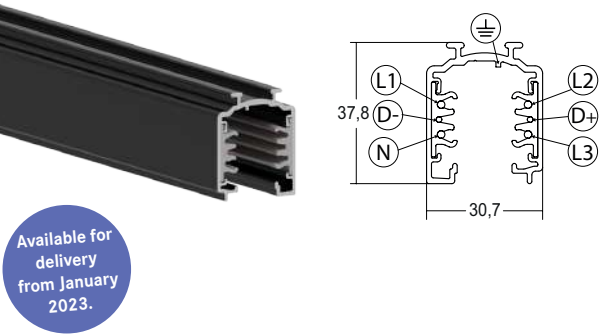
Rope suspension with canopy



Item no.	Color
88115070	White
88115080	Black
Rope thickness: 1.5 mm, suspension length of 2,000 mm	

The items on this page are subject to discount group 1.

DALI 3-phase tracks



Available for delivery from January 2023.

DALI 3-Phase-busbars

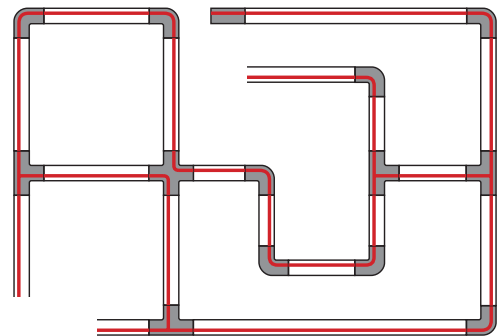
NEW

Item no.	Length	Color
87161070 NEW	1,000 mm	White
87161080 NEW	1,000 mm	Black
87161250 NEW	1,000 mm	Silver
87162070 NEW	2,000 mm	White
87162080 NEW	2,000 mm	Black
87162250 NEW	2,000 mm	Silver
87163070 NEW	3,000 mm	White
87163080 NEW	3,000 mm	Black
87163250 NEW	3,000 mm	Silver



These items are subject to discount group 1.

Planning aid/example

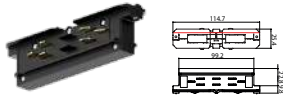


DALI 3-phase accessoriesAvailable for
delivery
from January
2023.**End feed, protective conductor to the left**

Item no.	Color
87167070	White
87167080	Black
87167680	Silver

End feed, protective conductor to the right

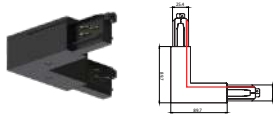
Item no.	Color
87166070	White
87166080	Black
87166680	Silver

Electrical connector

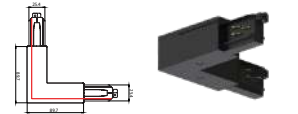
Item no.	Color
87114070	White
87114080	Black
87114680	Silver

Mechanical connector

Item no.	Color
87125070	White
87125080	Black
87125680	Silver

Corner connector 90°, inner protective conductor

Item no.	Color
87126070	White
87126080	Black
87126680	Silver

Corner connector 90°, outer protective conductor

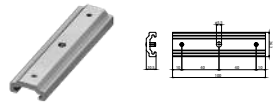
Item no.	Color
87127070	White
87127080	Black
87127680	Silver

T-connector, protective conductor on the left

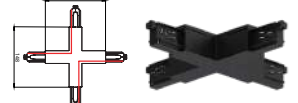
Item no.	Color
87128070	White
87128080	Black
87128680	Silver

T-connector, protective conductor on the right

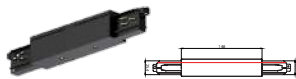
Item no.	Color
87129070	White
87129080	Black
87129680	Silver

Mechanical longitudinal connector

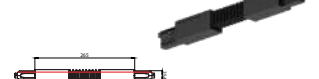
Item no.	Color
87116070	White
87116080	Black
87116680	Silver

Cross connector

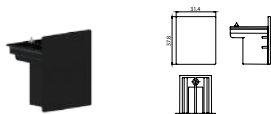
Item no.	Color
87130070	White
87130080	Black
87130680	Silver

Center feed

Item no.	Color
87124070	White
87124080	Black
87124680	Silver

Flexible connector

Item no.	Color
87131070	White
87131080	Black
87131680	Silver

End piece

Item no.	Color
87132070	White
87132080	Black
87132680	Silver

Ceiling mounting

Item no.	Color
87118250	Steel
87119250	Aluminum raw

Rope suspension with quick release

Item no.	Color	Suspension length
87135000	Silver	1,500 mm
87136000	Silver	3,000 mm
87137000	Silver	5,000 mm

The items on this page are subject to discount group 1.

1

Interior lighting



07

Shade luminaires.

Classic and timeless or
modern and individual.

Shade luminaires

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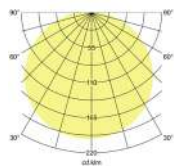




SOFT TUBE surface mounted luminaire, 780 mm, with fabric shade

Cylindrical fabric luminaire for ceiling mounting.
Polycarbonate film diffuser, shade material: Chintz;
Fabric shade: black, dimensions: D 780 x H 180 mm,
Other shade variants can be made available on request.

Model: E27, power: 5 x maximum 60 W



Item no.	Color	Power
58258000	Black shade	5 x max. 60 W



This item is subject to discount group 2.



Wall surface-mounted luminaires with fabric shade

Wall surface-mounted luminaire with fabric shade,
Projection: 400 mm, height: 280 mm, width: 250 mm,
Shade material: Chintz; shade color: black, surface: chromium
Other shade variants can be made available on request.

Model: E27, power: 1 x max. 60 W

Item no.	Color	Power
58111020	Chromium/black shade	1 x maximum 60 W



This item is subject to discount group 2.



Table lamp with fabric shade

Table lamp with fabric shade, head swivels 180°,
Shade material: Chintz, shade color: brown, surface: nickel matte,
height: 450 mm, approximately 1,250 mm visible, black feed line with
intermediate cord switch and Euro flat plug.
Other shade variants can be made available on request.

Model: G9, power: 1 x max. 48 W

Item no.	Color	Power
58126150	nickel matte / brown shade	1 x max. 48 W



This item is subject to discount group 2.



Floor lamp with fabric shade

Floor lamps with fabric shade, head swivels 180°,
Shade material: Chintz, shade color: black,
Surface: black powdered, dimensions: H 1,150 x D 390 mm,
approx. 1,700 mm visible black feed line with intermediate
cord switch and Euro flat plug.
Other shade variants can be made available on request.

Model: G9, power: 1 x max. 48 W

Item no.	Color	Power
58140080	Black/black shade	1 x max. 48 W



This item is subject to discount group 2.

BRUMBERG

Licht.
Für Generationen.

Pendel- & Deckenleuchten
Pendant & ceiling lamps

Anfrageformular
Application form

Artikelnummer & Art der Leuchte / Item number & kind of lamp

Bitte wählen Sie eine Form des gewünschten Sonderformats aus und tragen Sie die Maße bei der jeweiligen Zeichnung ein.
Please select a form of desired special format and enter the dimensions beside the drawing in question.

☐ Zylindrischer Schirm
Cylindrical shade
 ☐ Rechteckiger Schirm
Square shade
 ☐ Konischer Schirm
Square shade

Durchmesser
Diameter _____ mm
 Höhe
Height _____ mm

Länge
Length _____ mm
 Breite
Width _____ mm
 Höhe
Height _____ mm

Durchmesser oben
Diameter top _____ mm
 Durchmesser unten
Diameter bottom _____ mm
 Höhe
Height _____ mm

Bestückung / Equipment

☐ 1 x E27 ☐ 3 x E27 ☐ 5 x E27 ☐ LED (3000K)

Schirmmaterial / shade material

☐ Chintz ☐ Brandschutzklasse B1 auf Anfrage
Fire protection classification B1 after request

Schirmfarbe / shade colour

Code (s. Seite 2) _____ ☐ Farbfächer: Artikel-Nr. 00053498
Colour fan: Item number 00053498

Diffusor (unten geschlossen) / Diffuser (closed at bottom)

☐ Ohne
None ☐ Geschlossen
Closed ☐ Mit Einzug + Luftrand
With indentation + gap

☐ Pendelleuchte, Gesamtpendellänge
(Zuleitung transparent, standard 1500mm)
Pendant lamp, Overall pendant length
(Supply transparent, standard 1500mm) _____ mm

☐ Deckenleuchte
Ceiling lamp

Stückzahl / Quantity _____

Firma / Company _____ Telefon / Telephone _____

Ansprechpartner / Contact person _____ E-Mail / E-mail _____

Anschrift / Address _____ Datum / Date _____

PLZ, Ort / Postcode, City _____

Bitte senden Sie das ausgefüllte Formular an: projekt@brumberg.com
Please send the filled form to: projekt@brumberg.com

1 / 2



Click here for the configuration PDF.

Shade color charts **53498** for color selection (available on request)

With these color charts, you can choose your desired shade color from all available colors.

An overview of the available colors and other special solutions can also be found online at the respective product on our website as a PDF.



All Brumberg fabric shade luminaires can be found in our main catalog Licht 2022 on pages 184 - 191, 208 - 209, 232 - 235 and 410 - 413.

1

Interior lighting

08

QUALITYFLEX - LED flex boards.

For basic and accent lighting.

QUALITYFLEX Innovations

p. 164

QUALITYFLEX PERFORMANCE

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Step 1: Profile

p. 168

Step 2: LED-flex board

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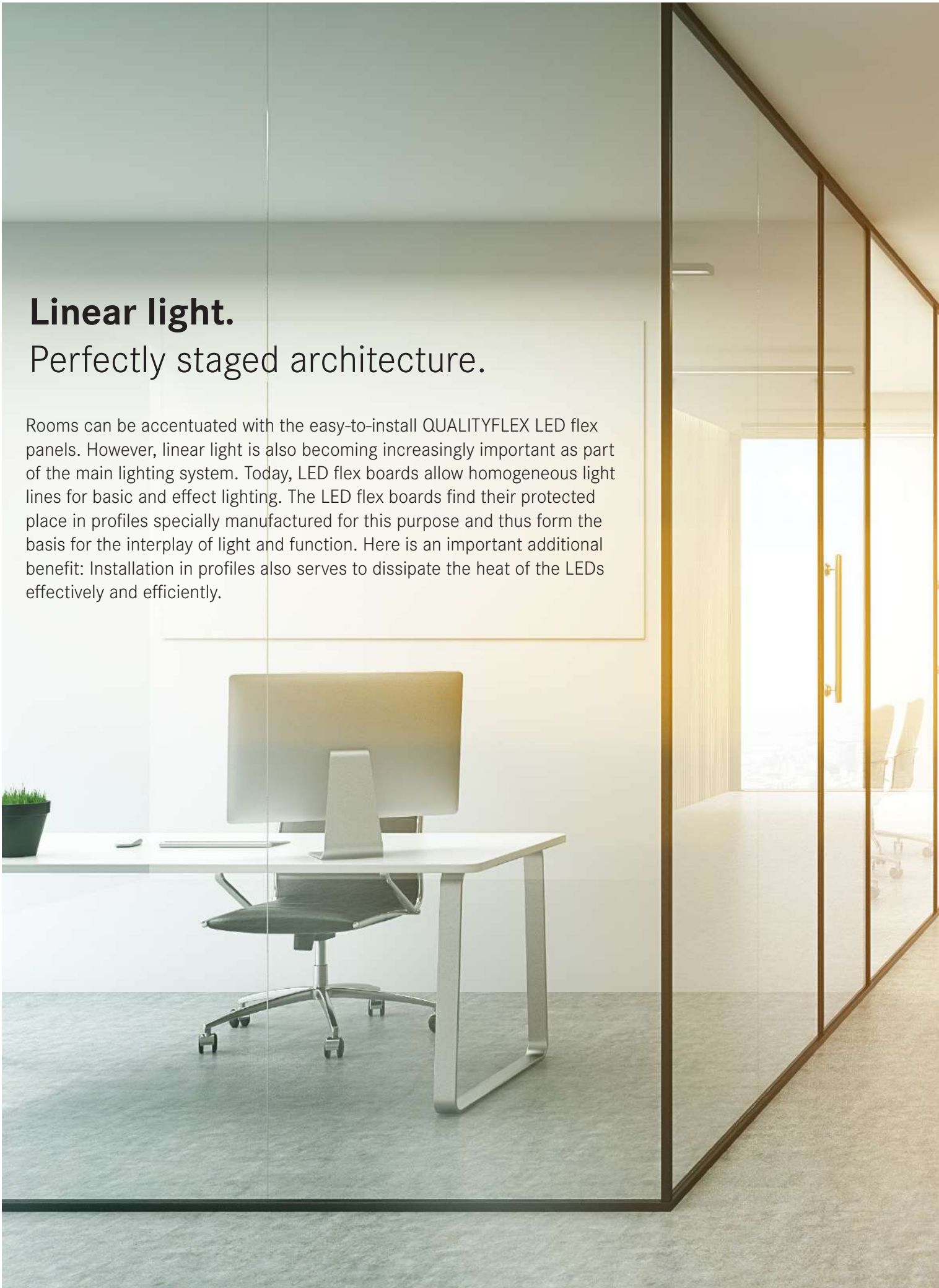
Step 3: Power supplies & control

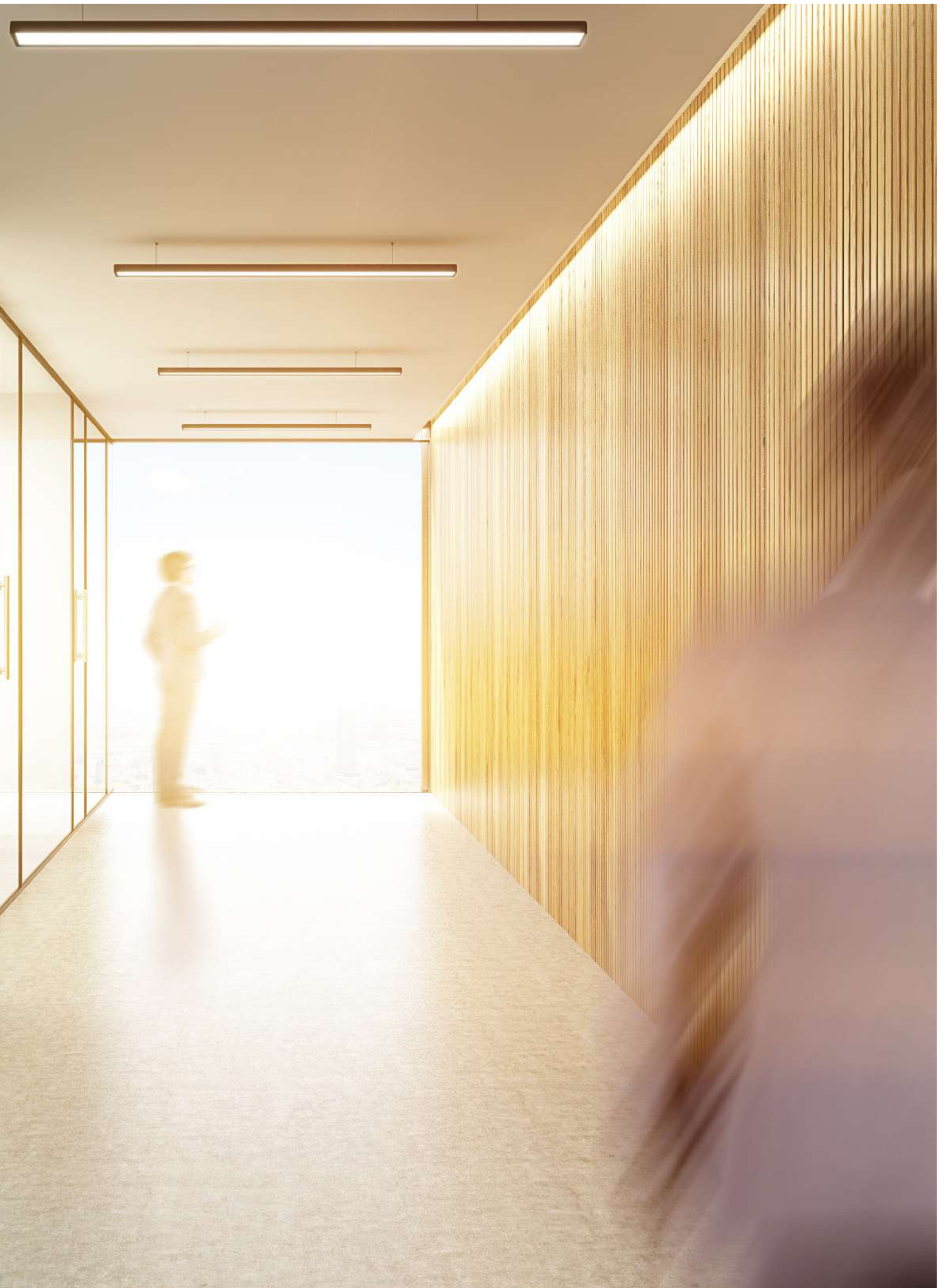
p. 184



Linear light. Perfectly staged architecture.

Rooms can be accentuated with the easy-to-install QUALITYFLEX LED flex panels. However, linear light is also becoming increasingly important as part of the main lighting system. Today, LED flex boards allow homogeneous light lines for basic and effect lighting. The LED flex boards find their protected place in profiles specially manufactured for this purpose and thus form the basis for the interplay of light and function. Here is an important additional benefit: Installation in profiles also serves to dissipate the heat of the LEDs effectively and efficiently.







QUALITYFLEX ONE. LED-flex boards for almost all areas of application.

- Outputs 4.8 W/m, 9.6 W/m and 14.4 W/m
- Light colors 2700 K, 3000 K, 4000 K and RGBW
- Protection classes IP00, as well as IP60 and IP67 for 14.4 W/m boards
- Delivery length: 5,000 mm, length on roll



QUALITYFLEX COB-Sauna. For higher ambient temperatures up to +105 °C.

- Power 10 W/m
- Light colors 2700 K and 3000 K
- Protection class IP67
- Can be separated every 50 mm
- 3 end caps included (protection class IP65)



QUALITYFLEX Protection. Designed for flexible bendable vertical or horizontal applications for exterior or interior use.

- Two versions: vertical and horizontal
- Up to 27 m feasible with one feed
- Light colors 2700 K, 3000 K, 4000 K, TunableWhite and RGBW
- Extensive accessories for self-assembly / mounting



QUALITYFLEX COB-Vision. Ideal for a homogeneous light pattern.

- Outputs 10 W/m, 15 W/m and 16 W/m
- Light colors 2700 K, 3000 K, 4000 K, TunableWhite and RGBW
- Protection classes IP00, IP60 and IP65/ IP67
- Delivery length: 5,000 mm, length on roll



QUALITYFLEX Select HE. Highly efficient LED flex boards with up to 162 lm/W.

- Performance 4.8 W/m, 9.6 W/m, 14.4 W/m and 19.2 W/m
- In light colors 2700 K, 3000 K and 4000 K
- Three protection classes for all versions: IP00, IP60 and IP67
- 8 LEDs per segment (high efficiency)



QUALITYFLEX Performance →
Lighting quality all along the line.

- Outputs from 1,5 W/m to 20 W/m
- Light colors 2700 K, 3000 K, 4000 K
- Protection class only IP00
- Lengths from 5,000 mm to 30,000 mm available on roll or also ready to use

QUALITYFLEX modular system.

It only takes a couple of steps to get a professional lighting solution.

Step 1: Select aluminum profile (location of light installation).



If you want tailored lighting solutions, you should rely on the right aluminum profiles. In addition to optimal installation at the place of use, the profiles also serve to cool the LED flex boards. The longevity of the illuminants can thus be ensured. Accessories: Matching covers, holders, end caps as well as mounting options can be found directly with the respective aluminum profile.

Step 2: Select LED flex board (type of light)



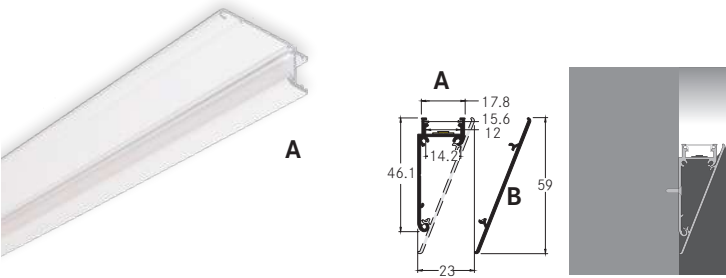
The LED flex boards are at the heart of the lighting solution with QUALITYFLEX. Thanks to our wide range, we offer the right product for every application. We obviously also offer the right accessories for fast installation in line with requirements. The best thing is to order everything together right away.

Step 3: Select power supply unit & control unit (suitable accessories).

We offer suitable power supplies and controllers for every application. Whether dimmable or switchable, always pay attention to the appropriate electronic accessories. This will guarantee optimal functionality and efficient use of the LED flex boards.

Wall surface-mounted profile P73-12

Step 1



Advantages of wall surface-mounted profile:

- Uncomplicated implementation of wall surface-mounted solutions for indirect illumination.
- For a special lighting effect on the wall without a cove.
- Up to 4-meter length in one piece.
- Can be mounted downwards or upwards as required.
- Integrated cable guiding is possible.

Finished length

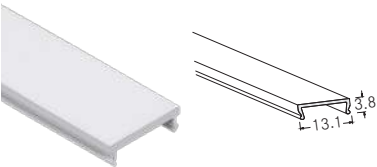
Item no.	Lengths	Color
53754260	2,000 mm	Aluminum anodized
53754070	2,000 mm	Painted in white

Assembly up to a maximum of 4,000 mm

Item no.	Assembly
73754260	Aluminum profile 100 mm, anodized aluminum
73754070	Aluminum profile 100 mm, painted in white
73991000	Cut-out of the aluminum profile

In case of delivery lengths beyond 2,000 mm: Please inquire for delivery costs separately.

Click cover: PMMA



Finished length

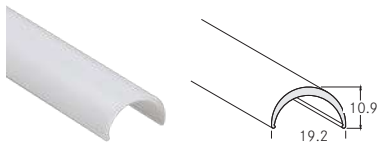
Item no.	Lengths	Color
53400000	2,000 mm	Transparent
53400070	2,000 mm	Opal

Transmission factor: transparent 95 %, opal: 70 %

Assembly up to a maximum of 4,000 mm

Item no.	Assembly
73400000	Cover 100 mm, transparent
73400070	Cover 100 mm, opal
73992000	Cut-out of cover

Click cover: PMMA



Finished length

Item no.	Lengths	Color
53431070	2,000 mm	Opal

Transmission factor: opal: 60 %

Assembly up to a maximum of 4,000 mm

Item no.	Assembly
73431070	Cover 100 mm, opal
73992000	Cut-out of cover

Front aluminum cover plate



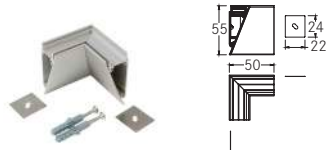
Finished length

Item no.	Length	Color
53081260	2,000 mm	Aluminum anodized
53081070	2,000 mm	Painted in white

Assembly up to a maximum of 4,000 mm

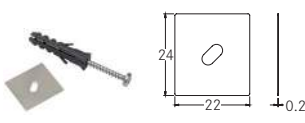
Item no.	Assembly
73081260	Aluminum profile 100 mm, anodized aluminum
73081070	Aluminum profile 100 mm, painted in white
73991000	Cut-out of the aluminum profile

Connecting piece 90°



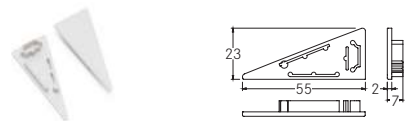
Item no.	Color
53082260	Aluminum anodized
53082070	Painted in white

Connecting piece 180°



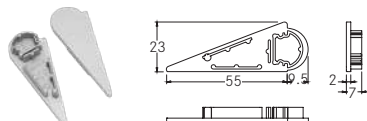
Item no.	Color
53023000	Aluminum

End caps set for 53400...



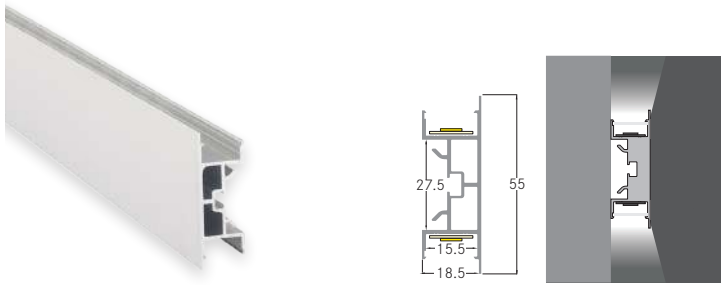
Item no.	Color
53079260	Silver
53079070	White

End caps set for 53431070



Item no.	Color
53080260	Silver
53080070	White

Wall surface-mounted profile P74-14



Step 1

Advantages of wall surface-mounted profile:

- Uncomplicated implementation of wall surface-mounted solutions for indirect illumination.
- Double staging of the illumination, upwards and downwards, normal white light illumination and or RGB or TW illumination.
- Up to 6-meter length in one piece.
- High-quality accessories.

Finished length

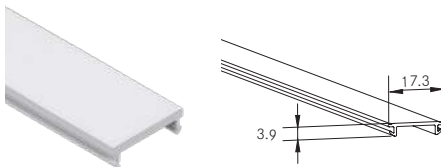
Item no.	Lengths	Color
53751260	2,000 mm	Aluminum anodized

Assembly up to a maximum of 6,000 mm

Item no.	Assembly
73751260	Aluminum profile 100 mm, anodized aluminum
73991000	Cut-out of the aluminum profile

In case of delivery lengths beyond 2,000 mm: Please inquire for delivery costs separately.

Flex-click cover: PC



Up to 80 meters* in one roll



* On request

Finished length

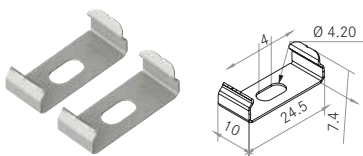
Item no.	Lengths	Color
53440000	2,000 mm	Transparent
53440070	2,000 mm	Opal
53440080	2,000 mm	Black

Assembly

Item no.	Assembly
73440000	Cover 100 mm, transparent
73440070	Cover 100 mm, opal
73440080	Cover 100 mm, black
73992000	Cut-out of cover

Transmission factor: transparent 88 %, opal: 53 %, black: 25 %

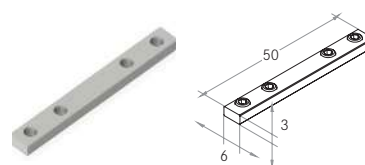
Bracket set



Item no.	Color
53031000	Silver

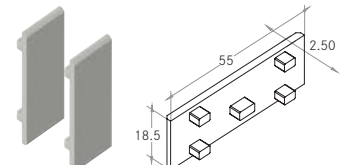
Comprising 2 brackets.

Connecting piece 180°



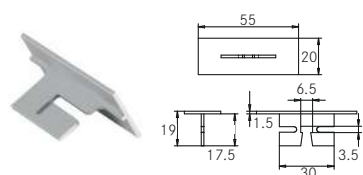
Item no.	Color
53030000	Raw aluminum

End caps set



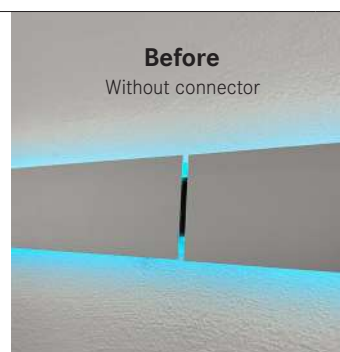
Item no.	Color
53075260	Aluminum

Sight connector

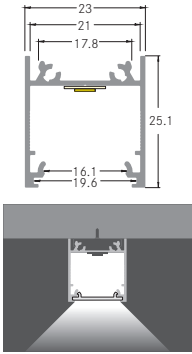


Item no.	Color
53093260	Silver

Connector 53030000 is required for mounting.



Surface-mounted profile P06-20



Step 1

Advantages of surface-mounted profile:

- Up to 4-meter length in one piece.
- Suitable covers are available in transparent, opal and black.
- Surface-mounted profile can also be used as a suspended variant.
- Large light emission due to height offset cover.
- For every cover, we offer matching end caps.

Finished length

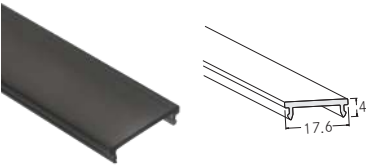
Item no.	Lengths	Color
53603260	2,000 mm	Aluminum anodized
53603070	2,000 mm	Painted in white
53603080	2,000 mm	Black anodized

Assembly up to a maximum of 4,000 mm

Item no.	Assembly
73603260	Aluminum profile 100 mm, anodized aluminum
73603070	Aluminum profile 100 mm, painted in white
73603080	Aluminum profile 100 mm, black anod.
73991000	Cut-out of the aluminum profile

In case of delivery lengths beyond 2,000 mm: Please inquire for delivery costs separately.

Click cover: PMMA



Finished length

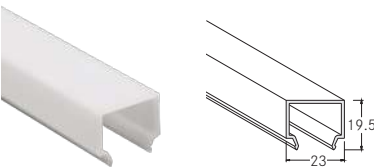
Item no.	Lengths	Color
53402000	2,000 mm	Transparent
53402070	2,000 mm	Opal
53402080	2,000 mm	Black

Transmission factor: transparent 95 %, opal: 70 %, black: 40 %

Assembly up to a maximum of 4,000 mm

Item no.	Assembly
73402000	Cover 100 mm, transparent
73402070	Cover 100 mm, opal
73402080	Cover 100 mm, black
73992000	Cut-out of cover

Click cover: PMMA



Finished length

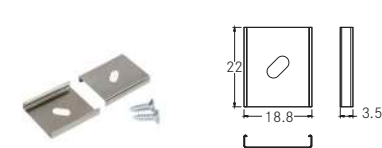
Item no.	Lengths	Color
53432070	2,000 mm	Opal

Transmission factor: opal: 70 %

Assembly up to a maximum of 4,000 mm

Item no.	Assembly
73432070	Cover 100 mm, opal
73992000	Cut-out of cover

Bracket set



Item no.	Color
53003000	Silver

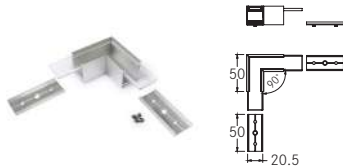
Comprising 2 brackets.

Connecting piece 180°



Item no.	Color
53007000	Raw aluminum + transparent

Connecting piece 90°



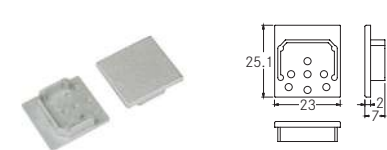
Item no.	Color
53059260	Aluminum anodized
53059070	Painted in white
53059080	Black anodized

Screw set for end cap set 53057... (4 pieces)



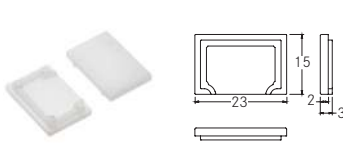
Item no.	Color
53058260	Silver
53058070	White
53058080	Black

End cap set for 53402...



Item no.	Color
53057260	Silver
53057070	White
53057080	Black

End cap set for 53432070



Item no.	Color
53056070	Opal



Suspended variant: 53603260 + 53402070 + 53057260 + 53006000
 Surface mounting variants: 53603260 + 53402070 + 53057260
 Installation variants: 53654260 + 53402070

End caps set for 53603... with cover 53432070



Item no.	Color
53063260	Silver
53063070	White
53063080	Black

Rear cover plate for profile 53603...



In combination with rope
suspension 53006000.

Mounting by insertion.

Item no.	Length	Color
53756260	2,000 mm	Aluminum anodized
53756070	2,000 mm	Painted in white
53756080	2,000 mm	Black anodized

Rope suspension set, 1,500 mm



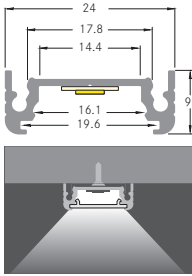
Item no.	Color
53006000	Chromium

Rope thickness: 1 mm
 Content: 2 pieces

Sizes in mm | All specified prices are non-binding recommended retail prices (RRP) in euros excluding VAT.
 Errors subject to change. | Orders are subject to our General Terms and Conditions of Sale printed from page 250 onwards.

All items on this page are subject
to discount group 1.

Mounting profile P04-14



Step 1

Advantages of surface-mounted profile:

- Flat surface-mounted profile.
- Available in white, black and anodized aluminum colors.
- Up to 4-meter in one piece.
- Connecting piece 90° for rectangular application.
- Extensive accessories and suitable covers.

Finished length

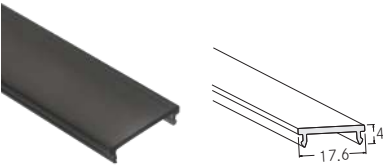
Item no.	Lengths	Color
53602260	2,000 mm	Aluminum anodized
53602070	2,000 mm	Painted in white
53602080	2,000 mm	Black anodized

Assembly up to a maximum of 4,000 mm

Item no.	Assembly
73602260	Aluminum profile 100 mm, anodized aluminum
73602070	Aluminum profile 100 mm, painted in white
73602080	Aluminum profile 100 mm, black anod.
73991000	Cut-out of the aluminum profile

In case of delivery lengths beyond 2,000 mm: Please inquire for delivery costs separately.

Click cover: PMMA



Finished length

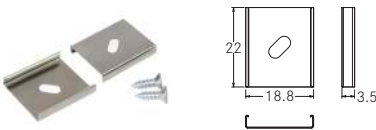
Item no.	Lengths	Color
53402000	2,000 mm	Transparent
53402070	2,000 mm	Opal
53402080	2,000 mm	Black

Assembly up to a maximum of 4,000 mm

Item no.	Assembly
73402000	Cover 100 mm, transparent
73402070	Cover 100 mm, opal
73402080	Cover 100 mm, black
73992000	Cut-out of cover

Transmission factor: transparent 95 %, opal: 70 %, black: 40 %

Bracket set



Item no.	Color
53003000	Silver

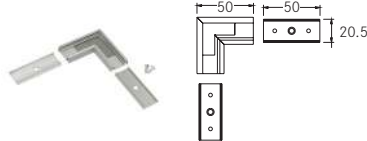
Comprising 2 brackets.

Connecting piece 180°



Item no.	Color
53004000	Raw aluminum

Connecting piece 90°



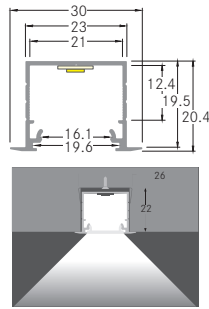
Item no.	Color
53055260	Aluminum anodized
53055070	Painted in white
53055080	Black anodized

End caps set



Item no.	Color
53114260	Silver
53114070	White
53114080	Black

Mounting profile P36-20



Step 1

Advantages of recessed profile:

- Available in white, black and anodized aluminum colors.
- Up to 4-meter length in one piece.
- Large light emission due to height offset cover.
- For every cover, we offer matching end caps.

Finished length

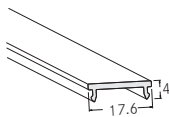
Item no.	Lengths	Color
53654260	2,000 mm	Aluminum anodized
53654070	2,000 mm	Painted in white
53654080	2,000 mm	Black anodized

Assembly up to a maximum of 4,000 mm

Item no.	Assembly
73654260	Aluminum profile 100 mm, anodized aluminum
73654070	Aluminum profile 100 mm, painted in white
73654080	Aluminum profile 100 mm, black anod.
73991000	Cut-out of the aluminum profile

In case of delivery lengths beyond 2,000 mm: Please inquire for delivery costs separately.

Click cover: PMMA



Finished length

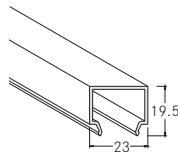
Item no.	Lengths	Color
53402000	2,000 mm	Transparent
53402070	2,000 mm	Opal
53402080	2,000 mm	Black

Transmission factor: transparent 95 %, opal: 70 %, black: 40 %

Assembly up to a maximum of 4,000 mm

Item no.	Assembly
73402000	Cover 100 mm, transparent
73402070	Cover 100 mm, opal
73402080	Cover 100 mm, black
73992000	Cut-out of cover

Click cover: PMMA



Finished length

Item no.	Lengths	Color
53432070	2,000 mm	Opal

Transmission factor: opal: 70 %

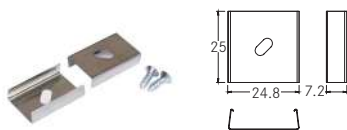
End cap set for 53432070:
Item no. 53056070, opal



Assembly up to a maximum of 4,000 mm

Item no.	Assembly
73432070	Cover 100 mm, opal
73992000	Cut-out of cover

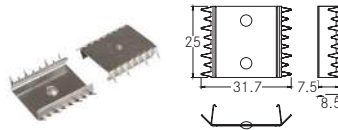
Bracket set



Item no.	Color
53010000	Silver

Comprising 2 brackets.

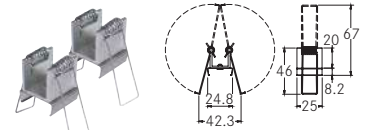
Bracket set with toothing



Item no.	Color
53011000	Silver

Comprising 2 brackets.

Spring bracket set for hollow ceilings (2 pieces)



Item no.	Color
53012000	Raw aluminum

Connecting piece 180°



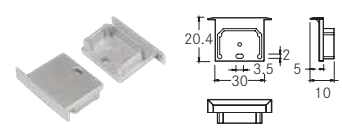
Item no.	Color
53013000	Aluminum

Connecting piece 90°



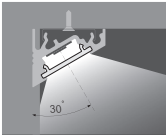
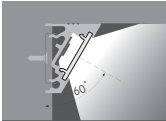
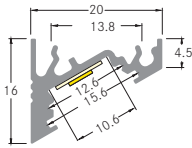
Item no.	Color
53069260	Aluminum anodized
53069070	Painted in white
53069080	Black anodized

End cap set for 53402...



Item no.	Color
53066260	Silver
53066070	White
53066080	Black

Surface-mounted corner profile P60-10



Step 1

Advantages of surface-mounted corner profile:

- Compact surface-mounted corner profile.
- Alignment of the beam angle to 30° or 60 depending on the installation.
- Up to 4-meter length in one piece.
- Can be used for corner designs such as cabinet lighting or the kitchen countertop.

Finished length

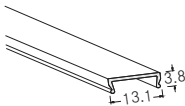
Item no.	Lengths	Color
53700260	2,000 mm	Aluminum anodized
53700070	2,000 mm	Painted in white

Assembly up to a maximum of 4,000 mm

Item no.	Assembly
73700260	Aluminum profile 100 mm, anodized aluminum
73700070	Aluminum profile 100 mm, painted in white
73991000	Cut-out of the aluminum profile

In case of delivery lengths beyond 2,000 mm: Please inquire for delivery costs separately.

Click cover: PMMA



Finished length

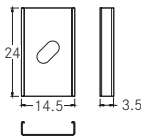
Item no.	Lengths	Color
53400000	2,000 mm	Transparent
53400070	2,000 mm	Opal

Assembly up to a maximum of 4,000 mm

Item no.	Assembly
73400000	Cover 100 mm, transparent
73400070	Cover 100 mm, opal
73992000	Cut-out of cover

Transmission factor: transparent 95 %, opal: 70 %

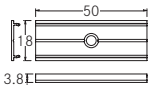
Bracket set



Item no.	Color
53001000	Silver

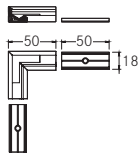
Comprising 2 brackets.

Connecting piece 180°



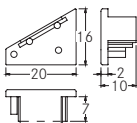
Item no.	Color
53005000	Raw aluminum

Connecting piece 90°



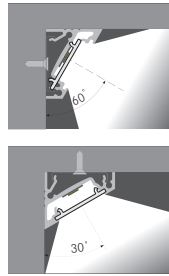
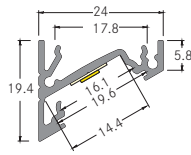
Item no.	Color
53071260	Aluminum anodized
53071070	Painted in white

End caps set



Item no.	Color
53070260	Silver
53070070	White

Attachment corner profile P62-14



Step 1

Advantages of surface-mounted corner profile:

- Wide surface-mounted corner profile.
- Available in white, black and aluminum colors.
- Up to 4-meter length in one piece.
- Soft light emission due to the higher cover.
- Concealed fastening directly on the base.
- Connecting piece 90° for rectangular application.

Finished length

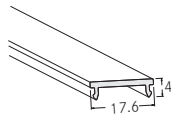
Item no.	Lengths	Color
53702260	2,000 mm	Aluminum anodized
53702070	2,000 mm	Painted in white
53702080	2,000 mm	Black anodized

Assembly up to a maximum of 4,000 mm

Item no.	Assembly
73702260	Aluminum profile 100 mm, anodized aluminum
73702070	Aluminum profile 100 mm, painted in white
73702080	Aluminum profile 100 mm, black anod.
73991000	Cut-out of the aluminum profile

In case of delivery lengths beyond 2,000 mm: Please inquire for delivery costs separately.

Click cover: PMMA



Finished length

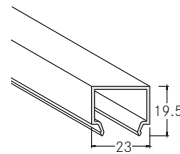
Item no.	Lengths	Color
53402000	2,000 mm	Transparent
53402070	2,000 mm	Opal
53402080	2,000 mm	Black

Transmission factor: transparent 95 %, opal: 70 %, black: 40 %

Assembly up to a maximum of 4,000 mm

Item no.	Assembly
73402000	Cover 100 mm, transparent
73402070	Cover 100 mm, opal
73402080	Cover 100 mm, black
73992000	Cut-out of cover

Click cover: PMMA



Finished length

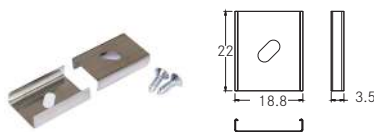
Item no.	Lengths	Color
53432070	2,000 mm	Opal

Transmission factor: opal: 70 %

Assembly up to a maximum of 4,000 mm

Item no.	Assembly
73432070	Cover 100 mm, opal
73992000	Cut-out of cover

Bracket set



Item no.	Color
53003000	Silver

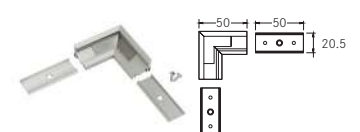
Comprising 2 brackets.

Connecting piece 180°



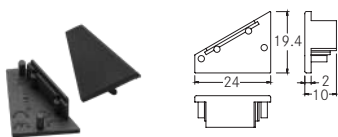
Item no.	Color
53004000	Raw aluminum

Connecting piece 90°



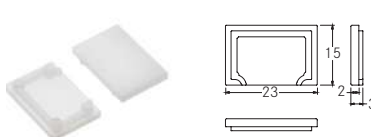
Item no.	Color
53084260	Aluminum anodized
53084070	Painted in white
53084080	Black anodized

End cap set for 53402...



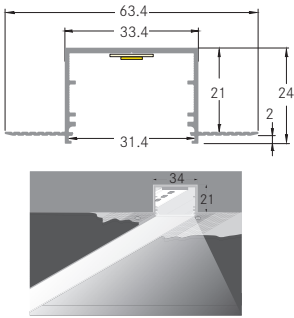
Item no.	Color
53073260	Silver
53073070	White
53073080	Black

End cap set for 53432070



Item no.	Color
53056070	Opal

Plaster profile P38-30



Step 1

Advantages of flush-mounted profile:

- Elegant, deep flush-mounted profile for the ceiling mounting.
- Fluted surface for better grip when plastering the surface.
- Small visible aluminum edge when installed.
- Owing to the depth of the profile, all Brumberg Select boards achieve a homogeneous light pattern.

Finished length

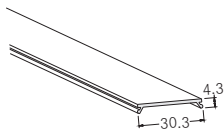
Item no.	Lengths	Color
53656070	2,000 mm	Painted in white

Assembly up to a maximum of 4,000 mm

Item no.	Assembly
73656070	Aluminum profile 100 mm, painted in white
73991000	Cut-out of the aluminum profile

In case of delivery lengths beyond 2,000 mm: Please inquire for delivery costs separately.

Cover: PMMA



Finished length

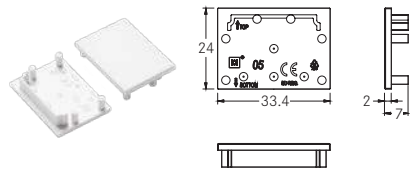
Item no.	Lengths	Color
53404000	2,000 mm	Transparent
53404070	2,000 mm	Opal
53404080	2,000 mm	Black

Transmission factor:
transparent 95 %, opal: 70 %, black: 40 %

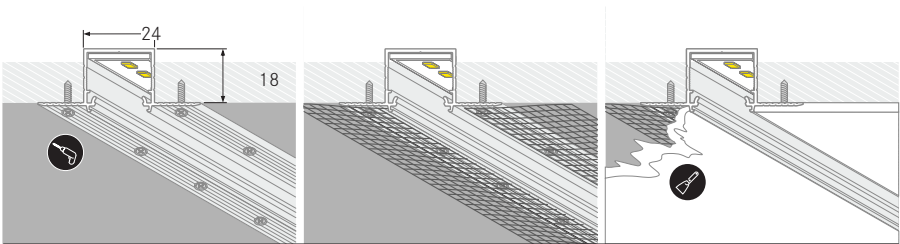
Assembly up to a maximum of 4,000 mm

Item no.	Assembly
73404000	Cover 100 mm, transparent
73404070	Cover 100 mm, opal
73404080	Cover 100 mm, black
73992000	Cut-out of cover

End caps set










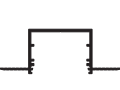
Item no.	Color
53092070	White



Mounting recommendations:

1. Pre-drill the wing
2. Fasten using a countersunk head screw
3. Plastering

Profile overview (Which profile fits which board?)

LED FLEX BOARD								
	Profile no. 53754...(P.164)	Profile no. 53751...(P.169)	Profile no. 53603...(P.170)	Profile no. 53602...(P.172)	Profile no. 53654...(P.173)	Profile no. 53700...(P.174)	Profile no. 53702...(P.175)	Profile no. 53656...(P.176)
19303... (P.178)	■	■	■	■	■	■	■	■
19304... (P.179)	■	■	■	■	■	■	■	■
15205... (P.180)	■	■	■	■	■	■	■	■
15317... (P.181)	■	■	■	■	■	■	■	■
15316... (P.182)	■	■	■	■	■	■	■	■
18507... (P.183)	■	■	■	■	■	■	■	■

Based on the flex board with protection class IP00 in combination with an opal cover:

■ Homogeneous lighting pattern is possible, ■ LED points are visible, no homogeneous lighting pattern, ■ cannot be combined with the flex board

* = a homogeneous light line is only possible in combination with a high cover



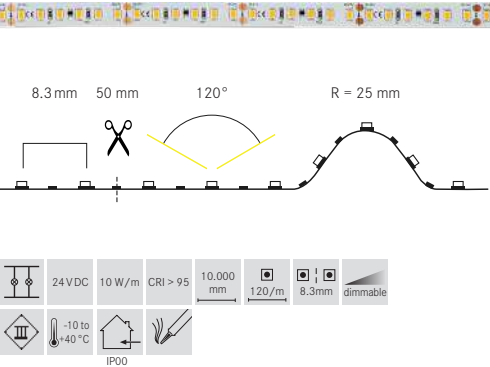
You can find all Brumberg aluminum profiles on our website:

<https://www.brumberg.com/en/products/qualityflex/aluminium-profiles-and-accessories/>



QUALITYFLEX PERFORMANCE

CRI>95, 10 W/m



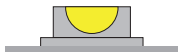
Step 2

Key features of the products


- Low LED spacing for optimal indirect illumination.
- Super high color rendering with CRI > 95.
- Maximum length of 10 meters feasible one feed.
- Suitable for indoor dry applications (IP00).
- Very small pitch of 50 millimeters.
- Decorative, indirect and ambient lighting in residential areas.
- Available in 2700 Kelvin, 3000 Kelvin and 4000 Kelvin.
- Dimmable using suitable accessories.



Variants of LED flex boards

IP00 5 m		 Uncoated LED flex board for indoor application in dry areas. Do not wipe with a damp cloth.			
Item no. 5,000 mm	Item no. 50 mm	Color temperature	Luminous flux/m	EEK Spectrum A-G	Dimensions [W x H]
19303027	76303027	2700 K	approx. 820 lm	F	10 x 1.4 mm
19303003	76303003	3000 K	approx. 870 lm	F	10 x 1.4 mm
19303004	76303004	4000 K	approx. 900 lm	F	10 x 1.4 mm
		75998000	Assembly with protection class IP00		

These items are subject to discount group 1.

IP00 10 m		 Uncoated LED flex board for indoor application in dry areas. Do not wipe with a damp cloth.			
Item no. 10,000 mm	Item no. 50 mm	Color temperature	Luminous flux/m	EEK Spectrum A-G	Dimensions [W x H]
19303127	76303027	2700 K	approx. 820 lm	F	10 x 1.4 mm
19303103	76303003	3000 K	approx. 870 lm	F	10 x 1.4 mm
19303104	76303004	4000 K	approx. 900 lm	F	10 x 1.4 mm
		75998000	Assembly with protection class IP00		

These items are subject to discount group 1.

Electrical data

LED circuit board:	SMD-LED 2835
Power consumption:	10 W/m
Number of LEDs per meter:	120
Rated voltage:	24 VDC
Protection class:	III
Ambient temperature:	-10 to +40 °C

Photometric data

Color rendering index:	CRI > 95
Efficiency:	87 lm/W at IP00, 3000 K

Light technical data

Beam angle:	120°
-------------	------

Service life:

Service life:	L80/B10: 50,000 h L70/B50: > 50,000 h ta: 25 °C
---------------	---

Mechanical data

Length of the board:	5,000 mm, 10,000 mm
Maximum module length:	10,000 mm
Pitch dimension:	50 mm
Smallest bending radius:	25 mm
Short Pitch:	8.3 mm
Connection line:	2 x 350 mm
Self-adhesive:	yes

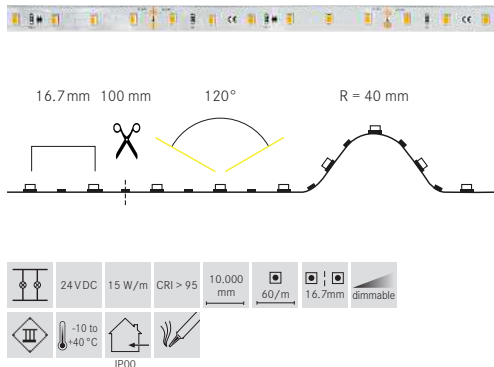
A maximum length of up to 10,000 mm is feasible with one feed.

For heat dissipation, it is absolutely necessary to mount on aluminum profiles.

For profiles, see page 168 onwards.

QUALITYFLEX PERFORMANCE

CRI > 95, 15 W/m



Electrical data

LED circuit board:	SMD-LED 2835
Power consumption:	15 W/m
Number of LEDs per meter:	60
Rated voltage:	24 VDC
Protection class:	III
Ambient temperature:	-10 to +40 °C

Photometric data

Color rendering index:	CRI > 95
Efficiency:	82 lm/W at IP00, 3000 K

Light technical data

Beam angle:	120°
-------------	------

Service life:

Service life:	L80/B10: 50,000 h L70/B50: > 50,000 h ta: 25 °C
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Mechanical data

Length of the board:	5,000 mm, 10,000 mm
Maximum module length:	10,000 mm
Pitch dimension:	100 mm
Smallest bending radius:	40 mm
Short Pitch:	16.7 mm
Connection line:	2 x 350 mm
Self-adhesive:	yes

A maximum length of up to 10,000 mm is feasible with one feed.

For heat dissipation, it is absolutely necessary to mount on aluminum profiles.

For profiles, see page 168 onwards.


Step 2

Key features of the products


- Super high color rendering with CRI > 95.
- Maximum length of 10 meters feasible one feed.
- Suitable for indoor dry applications (IP00).
- Pitch of 100 millimeters.
- High light output for indirect and ambient lighting in numerous areas of application.
- Available in 2700 Kelvin, 3000 Kelvin and 4000 Kelvin.
- Dimmable using suitable accessories.

Variants of LED flex boards



IP00 5 m		 <div>Uncoated LED flex board for indoor application in dry areas. Do not wipe with a damp cloth.</div>			
Item no. 5,000 mm	Item no. 100 mm	Color temperature	Luminous flux/m	EEK Spectrum A-G	Dimensions [W x H]
19304027	76304027	2700 K	approx. 1,170 lm	F	10 x 1.4 mm
19304003	76304003	3000 K	approx. 1,230 lm	F	10 x 1.4 mm
19304004	76304004	4000 K	approx. 1,238 lm	F	10 x 1.4 mm
75998000		Assembly with protection class IP00			

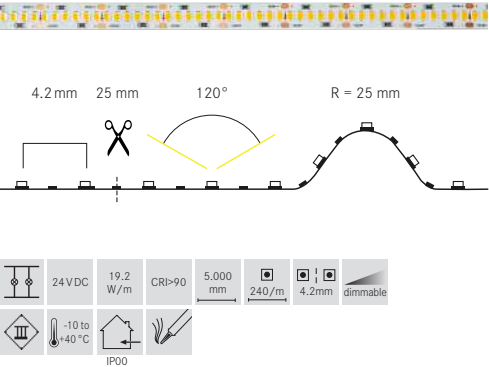
[These items are subject to discount group 1.](#)

IP00 10 m		 Uncoated LED flex board for indoor application in dry areas. Do not wipe with a damp cloth.			
Item no. 10,000 mm	Item no. 100 mm	Color temperature	Luminous flux/m	EEK Spectrum A-G	Dimensions [W x H]
19304127	76304027	2700 K	approx. 1,170 lm	F	10 x 1.4 mm
19304103	76304003	3000 K	approx. 1,230 lm	F	10 x 1.4 mm
19304104	76304004	4000 K	approx. 1,238 lm	F	10 x 1.4 mm
75998000		Assembly with protection class IP00			

[These items are subject to discount group 1.](#)

QUALITYFLEX Select 19.2 W / m

Step 2



Key features of the products

- Suitable for indoor applications (IP00).
- Thanks to tight LED equipment, LED equipment suitable for general lighting.
- Length 5,000 mm with a pitch of 25 mm for exceptional flexibility.
- Feed of 350 mm on both sides.
- Available in 2700 K, 3000 K, 4000 K and 6000 K.
- Dimmable using suitable accessories.

Electrical data

LED circuit board:	SMD-LED 2835
Power consumption:	19.2 W/m
Number of LEDs per meter:	240
Rated voltage:	24 VDC
Protection class:	III
Ambient temperature:	-10 to +40 °C

Photometric data

Color rendering index:	CRI > 90
Efficiency:	80 lm/W at IP00, 3000 K

Light technical data

Beam angle:	120°
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Service life:

Service life:	L80/B10: 50,000 h L70/B50: > 50,000 h ta: 25 °C
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Mechanical data

Length of the board:	5,000 mm
Maximum module length:	5,000 mm
Pitch dimension:	25 mm
Smallest bending radius:	25 mm
Short Pitch:	4.2 mm
Connection line:	2 x 350 mm
Self-adhesive:	yes

For heat dissipation, it is absolutely necessary to mount on aluminum profiles.

For profiles, see page 168 onwards.

Variants of LED flex boards

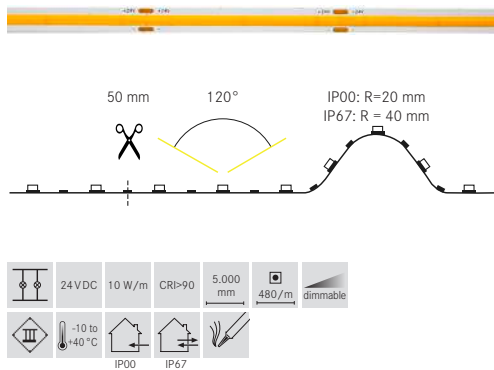


IP00		Uncoated LED flex board for indoor application in dry areas. Do not wipe with a damp cloth.			
Item no. 5,000 mm	Item no. 25 mm	Color temperature	Luminous flux/m	EEK Spectrum A-G	Dimensions [W x H]
15205027	75205027	2700 K	approx. 1,600 lm	F	10 x 1.4 mm
15205003	75205003	3000 K	approx. 1,550 lm	F	10 x 1.4 mm
15205004	75205004	4000 K	approx. 1,630 lm	F	10 x 1.4 mm
15205005	75205005	6000 K	approx. 1,720 lm	F	10 x 1.4 mm
75998000		Assembly with protection class IP00			

These items are subject to discount group 1.

QUALITYFLEX COB-Vision 10W/m

Step 2



Electrical data

LED circuit board:	COB-LED
Power consumption:	10 W/m
Number of LEDs per meter:	480
Rated voltage:	24 V DC
Protection class:	III
Ambient temperature:	-10 to +40 °C

Photometric data

Color rendering index:	CRI > 90
Color consistency:	SDCM < 3
Efficiency:	100 lm/W at IP00, 3000 K

Light technical data

Beam angle:	120°
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Service life:

Service life:	L80/B10: 30,000 h L70/B50: > 52,000 h ta: 25 °C
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Mechanical data

Length of the board:	5,000 mm
Maximum module length:	5,000 mm
Pitch dimension:	50 mm
Smallest bending radius:	IP00: 20 mm IP67: 40 mm
Connection line:	2 x 500 mm
Self-adhesive:	yes

For heat dissipation, it is absolutely necessary to mount on aluminum profiles.

For profiles, see page 168 onwards.

Key features of the products

- Chip-on-Board LED equipment for homogeneous lighting pattern.
- High color rendering with CRI > 90.
- Continuous light emission along the length of the board.
- Ideal for indirect and decorative illumination.
- Color temperature of 2,700 Kelvin, 3,000 Kelvin and 4,000 Kelvin.
- Suitable for indoor (IP00) and outdoor (IP67) applications.
- Pitch of 50 millimeters.
- Dimmable using suitable accessories.

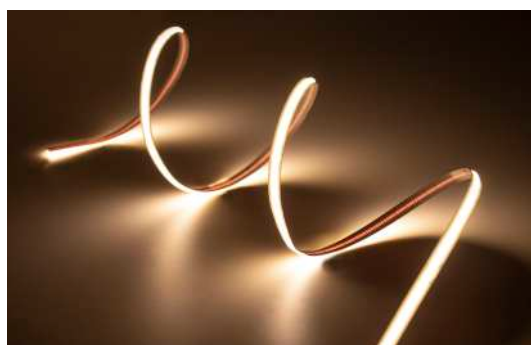
Variants of LED flex boards

IP00		Uncoated LED flex board for indoor application in dry areas. Do not wipe with a damp cloth.			
Item no. 5,000 mm	Item no. 50 mm	Color temperature	Luminous flux/m	EEK Spectrum A-G	Dimensions [W x H]
15317027	75317027	2700 K	approx. 950 lm	F	10 x 2 mm
15317003	75317003	3000 K	approx. 1,000 lm	F	10 x 2 mm
15317004	75317004	4000 K	approx. 1,105 lm	E	10 x 2 mm
75998000		Assembly with protection class IP00			

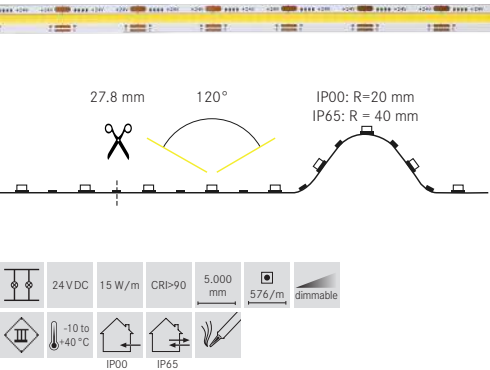
These items are subject to discount group 1.

IP67		Transparent, durable silicone coating for optimum protection against mechanical stress and moisture, washable.			
Item no. 5,000 mm	Item no. 50 mm	Color temperature	Luminous flux/m	EEK Spectrum A-G	Dimensions [W x H]
15377027	75377027	2700 K	approx. 870 lm	F	12 x 5 mm
15377003	75377003	3000 K	approx. 920 lm	F	12 x 5 mm
15377004	75377004	4000 K	approx. 1,030 lm	E	12 x 5 mm
75999000		Assembly with protection class IP00			

These items are subject to discount group 1.



QUALITYFLEX COB-Vision TunableWhite, 15 W/m



Step 2

Key features of the products

- TunableWhite Chip-on-Board LED equipment for homogeneous lighting pattern.
- Compatible with our TunableWhite LED insert 12843004.
- Suitable for indoor (IP00) and outdoor (IP65) applications.
- The color temperature and brightness can be changed using the 2-channel dimming.
- Optimum control capability via DALI (DT8) or TunableWhite radio remote control.
- Color temperature: 2,000 Kelvin to 6,500 Kelvin.
- High color rendering with CRI > 90.

NEW

Electrical data

LED circuit board:	COB-LED
Power consumption:	15 W/m
Number of LEDs per meter:	576
Rated voltage:	24 VDC
Protection class:	III
Ambient temperature:	-10 to +40 °C
Control:	Negative (3-core)

Photometric data

Color rendering index:	CRI>90
Color consistency:	SDCM < 3

Light technical data

Beam angle:	120°
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Service life:

Service life:	L80/B10: 30,000 h
	L70/B50: 52,000 h
	ta: 25 °C

Mechanical data

Length of the board:	5,000 mm
Maximum module length:	5,000 mm
Pitch dimension:	27.8 mm
Smallest bending radius:	IP00: 20 mm
	IP65: 40 mm
Connection line:	2 x 500 mm
Self-adhesive:	yes

For heat dissipation, it is absolutely necessary to mount on aluminum profiles.

For profiles, see page 168 onwards.

Variants of LED flex boards



IP00		Uncoated LED flex board for indoor application in dry areas. Do not wipe with a damp cloth.			
Item no. 5,000 mm	Item no. 27,8 mm	Color temperature	Luminous flux/m	EEL Spectrum A-G	Dimensions [W x H]
15316004	75316004	2000 K	approx. 700 lm	F	10 x 2 mm
		6500 K	approx. 825 lm		
	75998000	Assembly with protection class IP00			

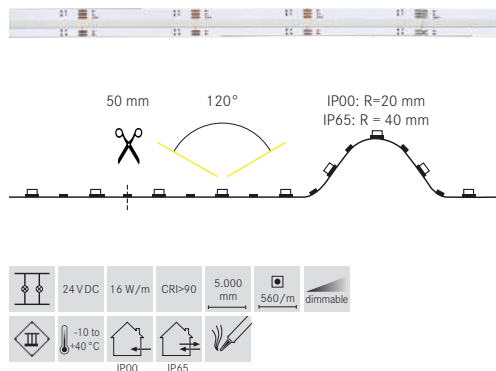
These items are subject to discount group 1.

IP65		Transparent, durable silicone coating for optimum protection against mechanical stress and moisture, washable.			
Item no. 5,000 mm	Item no. 27,8 mm	Color temperature	Luminous flux/m	EEL Spectrum A-G	Dimensions [W x H]
15376004	75376004	2000 K	approx. 640 lm	F	12 x 5 mm
		6500 K	approx. 755 lm		
	75999000	Assembly with protection class IP00			

These items are subject to discount group 1.



QUALITYFLEX COB-Vision RGBW, 16 W/m



Step 2

Key features of the products

- Effective color play and white light in an LED flex board.
- RGBW Chip-on-Board LED equipment for homogeneous lighting pattern.
- Varied illumination of light coves, linear applications, and light ceilings.
- Light colors: red / green / blue / white.
- Countless mixed colors can be implemented.
- Suitable for indoor (IP00) and outdoor (IP65) applications.
- Compatible with our 4-channel, 24 V DC controllers, RGBW.

NEW

Electrical data

LED circuit board:	COB-LED
Power consumption:	16 W/m
Number of LEDs per meter:	560
Rated voltage:	24 V DC
Protection class:	III
Ambient temperature:	-10 to +40 °C
Control:	Negative (5-core)

Photometric data

Color rendering index:	CRI > 90
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Light technical data

Beam angle:	120°
-------------	------

Service life:

Service life:	L80/B10: 30,000 h
	L70/B50: 52,000 h
	ta: 25 °C

Mechanical data

Length of the board:	5,000 mm
Maximum module length:	5,000 mm
Pitch dimension:	50 mm
Smallest bending radius:	IP00: 20 mm
	IP65: 40 mm
Connection line:	2 x 500 mm
Self-adhesive:	yes

For heat dissipation, it is absolutely necessary to mount on aluminum profiles.

For profiles, see page 168 onwards.

Variants of LED flex boards



IP00		Uncoated LED flex board for indoor application in dry areas. Do not wipe with a damp cloth.			
Item no. 5,000 mm	Item no. 50 mm	Color temperature	Luminous flux/m	EEK Spectrum A-G	Dimensions [W x H]
18507002	75507002	3000 K	approx. 324 lm	F	12 x 2 mm
		Red	approx. 136 lm		
		Green	approx. 292 lm		
		Blue	approx. 80 lm		
	75998000	Assembly with protection class IP00			

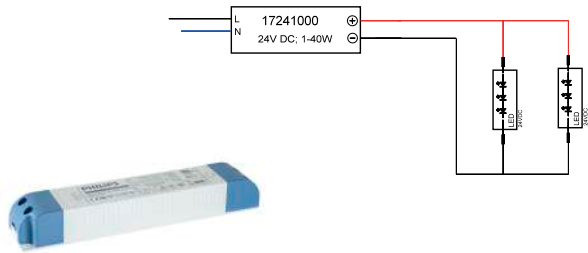
These items are subject to discount group 1.

IP65		Transparent, durable silicone coating for optimum protection against mechanical stress and moisture, washable.			
Item no. 5,000 mm	Item no. 50 mm	Color temperature	Luminous flux/m	EEK Spectrum A-G	Dimensions [W x H]
18577002	75577002	3000 K	approx. 295 lm	F	14 x 5 mm
		Red	approx. 125 lm		
		Green	approx. 265 lm		
		Blue	approx. 73 lm		
	75999000	Assembly with protection class IP00			

These items are subject to discount group 1.



Step 3



LED power supply 24 V DC, switchable

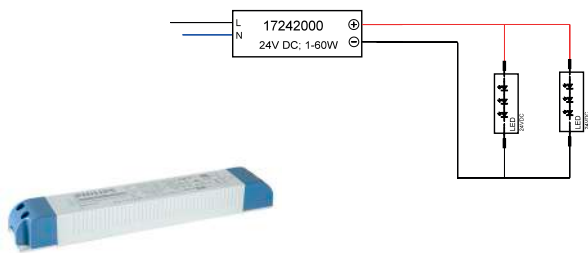
This power supply is protected against overvoltage and short circuit as well as thermal and electrical overload using fuses. The input and output terminals are suitable for lines with a cross-section of up to 1.5 mm².

Dimensions: L 210 x W 40 x H 30 mm,
Input voltage: AC: 120-240 V,
Frequency: 50 Hz, control unit: switchable,
Ambient temperature (ta): -20 °C to +45 °C,
Measuring point (tc): maximum +85 °C,
Material: Plastic

Item no.	Secondary voltage	Power
17241000	24 V	1–40 W



This item is subject to discount group 1.



LED power supply 24 V DC, switchable

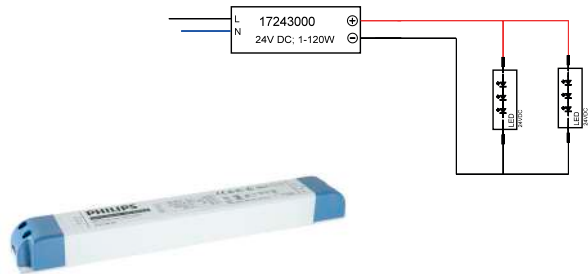
This power supply is protected against overvoltage and short circuit as well as thermal and electrical overload using fuses. The input and output terminals are suitable for lines with a cross-section of up to 1.5 mm².

Dimensions: L 250 x W 40 x H 30 mm,
Input voltage: AC: 120-240 V,
Frequency: 50 Hz, control unit: switchable,
Ambient temperature (ta): -20 °C to +45 °C,
Measuring point (tc): maximum +85 °C,
Material: Plastic

Item no.	Secondary voltage	Power
17242000	24 V	1–60 W



This item is subject to discount group 1.



LED power supply 24 V DC, switchable

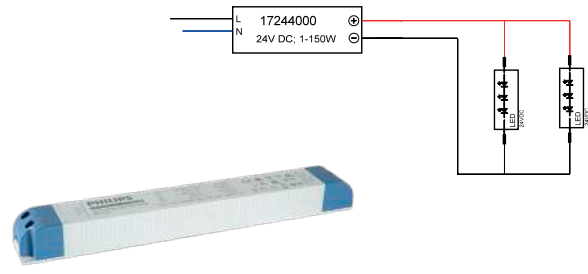
This power supply is protected against overvoltage and short circuit as well as thermal and electrical overload using fuses. The input and output terminals are suitable for lines with a cross-section of up to 1.5 mm².

Dimensions: L 300 x W 40 x H 30 mm,
Input voltage: AC: 120-240 V,
Frequency: 50 Hz, control unit: switchable,
Ambient temperature (ta): -20 °C to +45 °C,
Measuring point (tc): maximum +85 °C,
Material: Plastic

Item no.	Secondary voltage	Power
17243000	24 V	1–120 W



This item is subject to discount group 1.



LED power supply 24 V DC, switchable

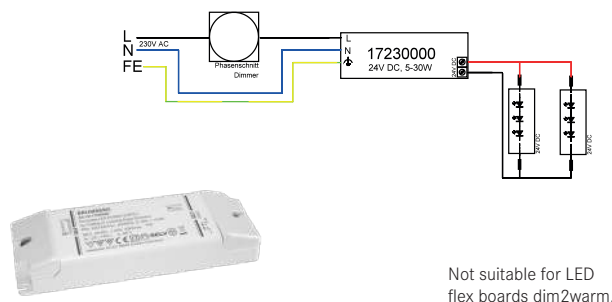
This power supply is protected against overvoltage and short circuit as well as thermal and electrical overload using fuses. The input and output terminals are suitable for lines with a cross-section of up to 1.5 mm².

Dimensions: L 310 x W 40 x H 30 mm,
Input voltage: AC: 120-240 V,
Frequency: 50 Hz, control unit: switchable,
Ambient temperature (ta): -20 °C to +45 °C,
Measuring point (tc): maximum +85 °C,
Material: Plastic

Item no.	Secondary voltage	Power
17244000	24 V	1–150 W



This item is subject to discount group 1.



LED power supply 24 V DC, Dimmable phase section

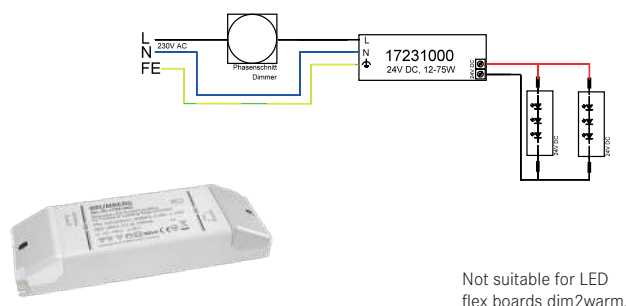
This power supply is protected against overvoltage and short circuit as well as thermal and electrical overload using fuses.

Dimensions: L 145 x W 50 x H 22 mm,
Input voltage: AC: 220-240 V,
Frequency: 50 Hz, control unit: Phase section,
Ambient temperature (ta): -20 °C to +50 °C,
Measuring point (tc): max. +80 °C,
Material: Plastic

Item no.	Secondary voltage	Power
17230000	24 V	5-30 W



This item is subject to discount group 1.



LED power supply 24 V DC, Dimmable phase section

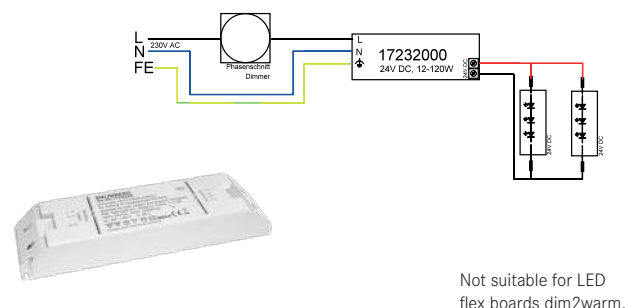
This power supply is protected against overvoltage and short circuit as well as thermal and electrical overload using fuses.

Dimensions: L 185 x W 60 x H 31 mm,
Input voltage: AC: 220-240 V,
Frequency: 50 Hz, control unit: Phase section,
Ambient temperature (ta): -10 °C to +45 °C,
Measuring point (tc): max. +80 °C,
Material: Plastic

Item no.	Secondary voltage	Power
17231000	24 V	12-75 W



This item is subject to discount group 1.



LED power supply 24 V DC, Dimmable phase section

This power supply is protected against overvoltage and short circuit as well as thermal and electrical overload using fuses.

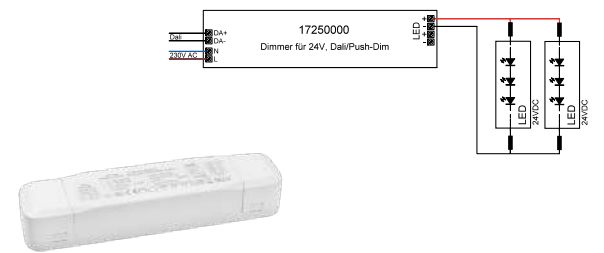
Dimensions: L 223 x W 64 x H 32 mm,
Input voltage: AC: 220-240 V,
Frequency: 50 Hz, control unit: Phase section,
Ambient temperature (ta): -20 °C to +45 °C,
Measuring point (tc): maximum +85 °C,
Material: Plastic

Item no.	Secondary voltage	Power
17232000	24 V	12-120 W



This item is subject to discount group 1.

Step 3



LED power supply 24 V DC, DALI-2 dimmable

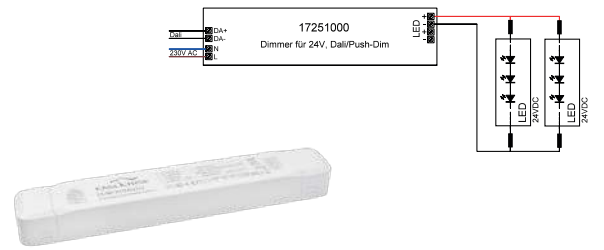
This power supply is protected against overvoltage and short circuit as well as thermal and electrical overload using fuses. The input and output terminals are suitable for lines with a cross-section of up to 1.5 mm².

Dimensions: L 187 x W 45 x H 31 mm,
Input voltage: AC: 220-240 V,
Frequency: 50 Hz, control: dimmable DALI-2/PUSH,
Ambient temperature (ta): -20 °C to +50 °C,
Measuring point (tc): maximum +85 °C,
Material: Plastic

Item no.	Secondary voltage	Power
17250000	24 V	1–45 W



This item is subject to discount group 1.



LED power supply 24 V DC, DALI-2 dimmable

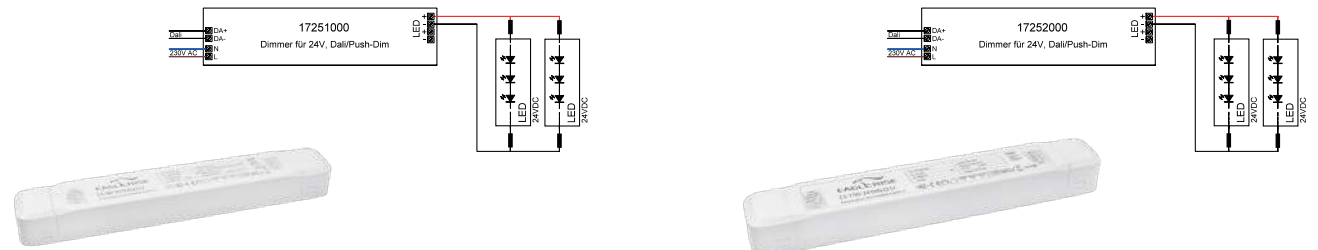
This power supply is protected against overvoltage and short circuit as well as thermal and electrical overload using fuses. The input and output terminals are suitable for lines with a cross-section of up to 1.5 mm².

Dimensions: L 290 x W 45 x H 31 mm,
Input voltage: AC: 220-240 V,
Frequency: 50 Hz, control: dimmable DALI-2/PUSH,
Ambient temperature (ta): -20 °C to +50 °C,
Measuring point (tc): maximum +85 °C,
Material: Plastic

Item no.	Secondary voltage	Power
17251000	24 V	1–80 W



This item is subject to discount group 1.



LED power supply 24 V DC, DALI-2 dimmable

This power supply is protected against overvoltage and short circuit as well as thermal and electrical overload using fuses. The input and output terminals are suitable for lines with a cross-section of up to 1.5 mm².

Dimensions: L 290 x W 45 x H 31 mm,
Input voltage: AC: 220-240 V,
Frequency: 50 Hz, control: dimmable DALI-2/PUSH,
Ambient temperature (ta): -20 °C to +50 °C,
Measuring point (tc): maximum +85 °C,
Material: Plastic

Item no.	Secondary voltage	Power
17252000	24 V	1–150 W



This item is subject to discount group 1.



LED dimmer 12-24 V DC, dimmable

LED dimmer series for constant voltage operation (12-24 V DC)

Using 4 channels (single or multi-color). Wiring is carried out via plug-in terminals without using screws. Line cross-section: 0.5-2.5 mm². An external power supply is required for operation, output signal (dimming): PWM (pulse width modulation), with reverse polarity and overtemperature protection.

Maximum output current: 10 A (4 x 2.5 A; 3 x 3.33 A; 2 x 5 A; 1 x 5 A)
Maximum output power 12 V: 120 W (4 x 30 W; 3 x 40 W; 2 x 60 W; 1 x 60 W)
Maximum output power 24 V: 240 W (4 x 60 W; 3 x 80 W; 2 x 120 W; 1 x 120 W)

18151000: 4-channel device with a maximum of 4 addresses (KNX). One address is assigned to each channel (output).

The KNX dimmer can be used for monochrome, RGB and RGBW luminaires. KNX certified device, can be configured using the ETS software (4.0F or higher). The system application and the KNXPROD file in German can be downloaded from www.brumberg.com. Functions / objects: Switching, relative dimming, absolute dimming, preset, scenes, color sequences, two pre-programmed color gradients, etc.

18152000: 1 to 4-channel device with 1-4 addresses (DALI). Channels (outputs) can be combined with 1, 2, 3 or 4 addresses. As an alternative to DALI, the 4 channels (outputs) can be controlled (dimmed) simultaneously, i.e. all four channels behave in the same way, using a pushbutton (push-dimm, switch-dimm).

18153000: 1 to 4-channel device with 1-4 addresses (DMX). Channels (outputs) can be combined with 1, 2, 3 or 4 addresses.

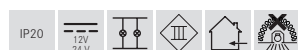
18154000: 1 to 4-channel device with a maximum of 4 x 1-10 V inputs. The inputs can be combined with each other.

18155000: 2 x 2-channel device with one address (DALI DT8) for TunableWhite luminaires. Two channels (outputs) are combined in each case (2 x ww, 2 x cw, max 2 x 5 A and 4 x 2.5 A). The device can be operated, for example, with a Power DALI push-button control unit TW (1713 DSTE), or a KNX DALI gateway TW (2099 REGHE) from Jung, or with a DALI potentiometer Tunable WH (2030 00), or a KNX DALI gateway Tunable WH Plus (2108 00) from GIRA. The connected luminaires can be switched on or off and their color temperature can be changed and dimmed.

Dimensions: L 170 x W 54 x H 30 mm, ambient temperature (ta): 0 °C to +45 °C, measuring point (tc): maximum +70 °C, material: Plastic

Circuit diagrams and further data can be found online under the respective product: <https://www.brumberg.com/de/produkte/sonstiges/betriebstechnik-steuerungen/steuerungen/>

Item no.	Description
18151000	KNX system prerequisite: at least ETS 4.0F or higher.
18152000	DALI (DT6)
18153000	DMX
18154000	1-10 V
18155000	DALI (DT8) TunableWhite



These items are subject to discount group 1.



REG LED dimmer 12-24 V DC, dimmable

LED dimmer series for constant voltage operation (12-24 V DC)

Using 4 channels (single or multi-color). Wiring is carried out via plug-in terminals without using screws. Line cross-section: 0.5-2.5 mm².

An external power supply is required for operation, output signal (dimming): PWM (pulse width modulation), with reverse polarity and overtemperature protection.

Maximum output current: 10 A (4 x 2.5 A; 3 x 3.33 A; 2 x 5 A; 1 x 5 A)
Maximum output power 12 V: 120 W (4 x 30 W; 3 x 40 W; 2 x 60 W; 1 x 60 W)
Maximum output power 24 V: 240 W (4 x 60 W; 3 x 80 W; 2 x 120 W; 1 x 120 W)

18161000: 4-channel device with a maximum of 4 addresses (KNX). One address is assigned to each channel (output).

The KNX dimmer can be used for monochrome, RGB and RGBW luminaires. KNX certified device, can be configured using the ETS software (4.0F or higher). The system application and the KNXPROD file in German can be downloaded from www.brumberg.com. Functions / objects: Switching, relative dimming, absolute dimming, preset, scenes, color sequences, two pre-programmed color gradients, etc.

18162000: 1 to 4-channel device with 1-4 addresses (DALI). Channels (outputs) can be combined with 1, 2, 3 or 4 addresses. As an alternative to DALI, the 4 channels (outputs) can be controlled (dimmed) simultaneously, i.e. all four channels behave in the same way, using a pushbutton (push-dimm, switch-dimm).

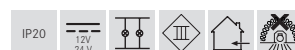
18164000: 1 to 4-channel device with a maximum of 4 x 1-10 V inputs. The inputs can be combined with each other.

18165000: 2 x 2-channel device with one address (DALI DT8) for TunableWhite luminaires. Two channels (outputs) are combined in each case (2 x ww, 2 x cw, max 2 x 5 A and 4 x 2.5 A). The device can be operated, for example, with a Power DALI push-button control unit TW (1713 DSTE), or a KNX DALI gateway TW (2099 REGHE) from Jung, or with a DALI potentiometer Tunable WH (2030 00), or a KNX DALI gateway Tunable WH Plus (2108 00) from GIRA. The connected luminaires can be switched on or off and their color temperature can be changed and dimmed. (L 54 x W 110 x H 66 mm, 3 TE).

Ambient temperature (ta): 0 °C to +45 °C, Measuring point (tc): maximum +75 °C, material: Plastic

Circuit diagrams and further data can be found online under the respective product: <https://www.brumberg.com/de/produkte/sonstiges/betriebstechnik-steuerungen/steuerungen/>

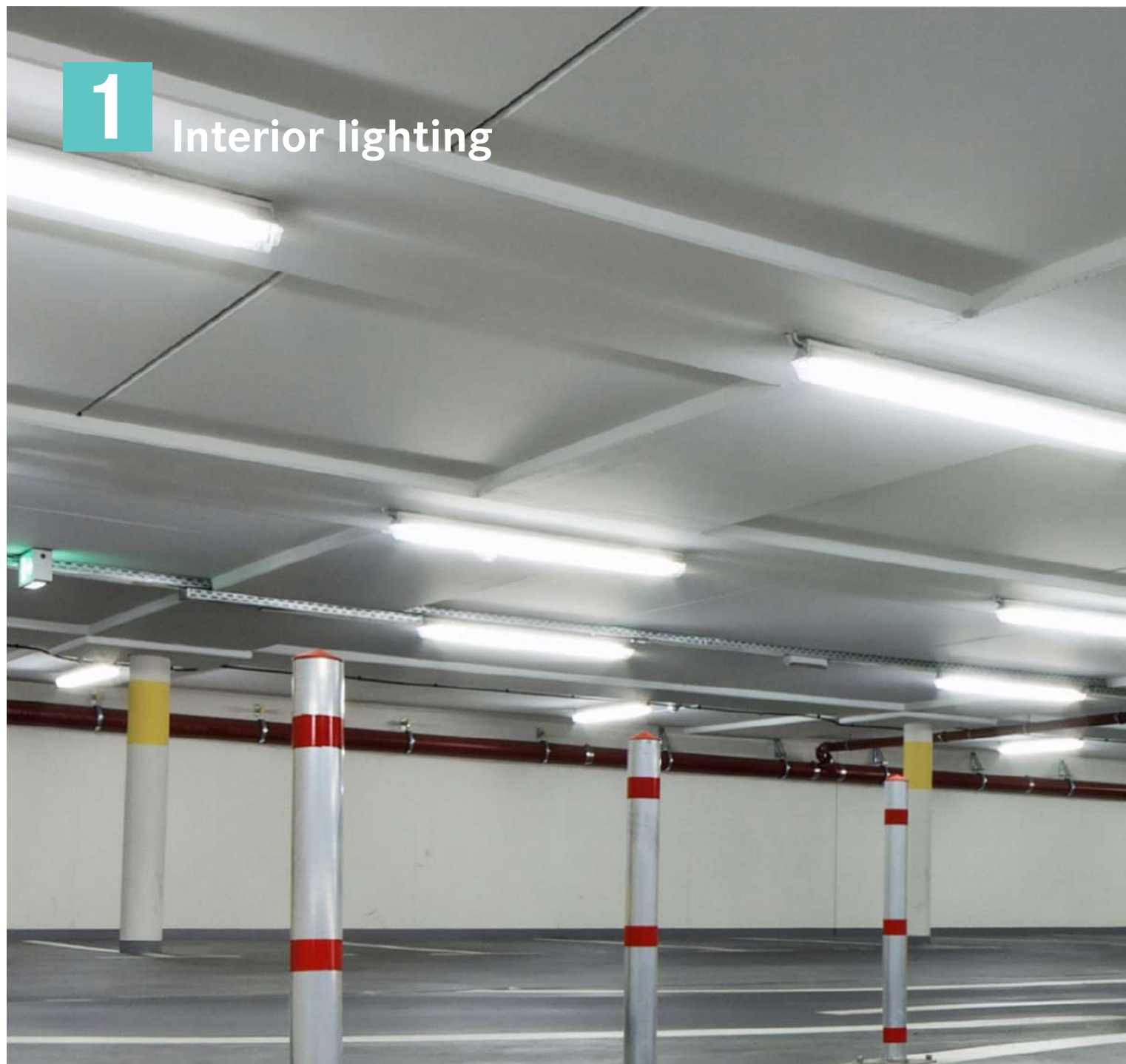
Item no.	Description
18161000	KNX system prerequisite: at least ETS 4.0F or higher. Width: 4 TE
18162000	DALI (DT6) Width: 3 TE
18164000	1-10 V Width: 3TE
18165000	DALI (DT8) TunableWhite Width: 3TE



These items are subject to discount group 1.

1

Interior lighting

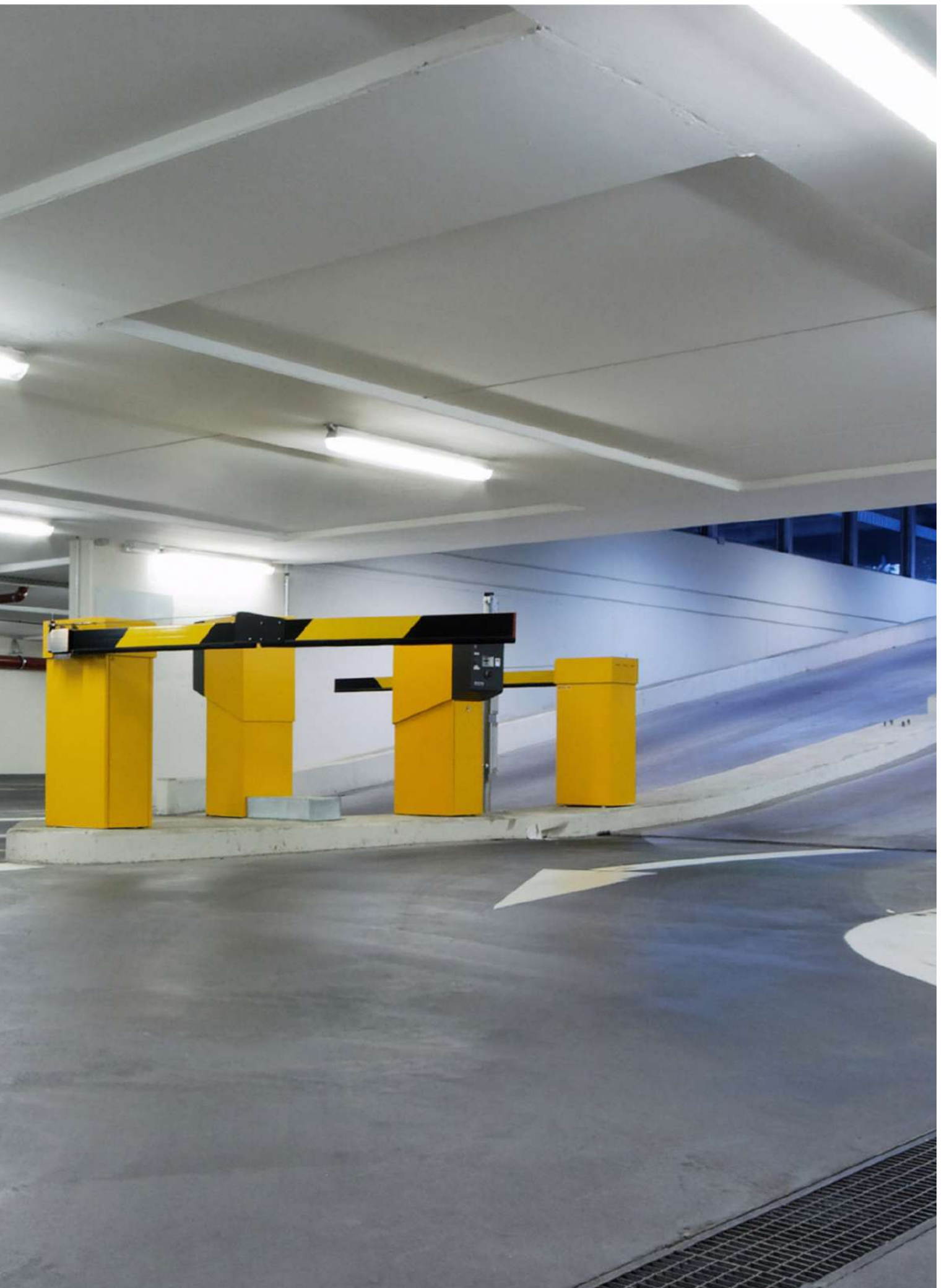


09

LED moisture-proof luminaires.

Efficient lighting for basements, warehouses, garages or sanitary areas.

HUMID ONE LED damp-proof diffuser luminaire p.190



HUMID ONE moisture-proof luminaire.

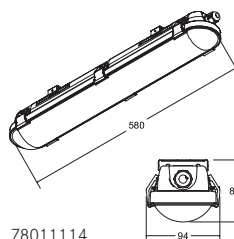
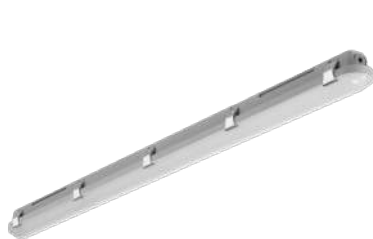
Durable, resistance-proof luminaires for special areas.



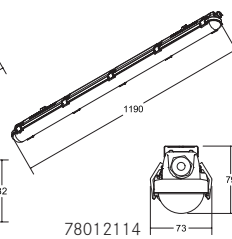
Key features of the products:

- 5 years Brumberg warranty
(Registration is available on the Brumberg website in the Services section).
- BEG LED light promotion.
- ENEC certified.
- Multilumen through dip switch.
- Long service life: L80B50 > 50,000 h at +25 °C.
- High efficiency: up to 135 lm / watt.
- Planning reliability thanks to enclosed accessories.
- Quick installation: Through-wiring via cable sets
600/1,200/1,500 mm possible.

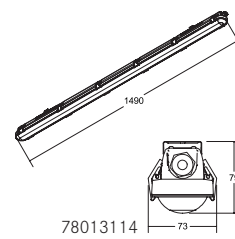
IP65 has complete protection against contact.
Dust cannot enter and it is protected against water jets from any direction.



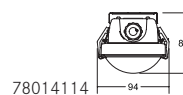
78011114



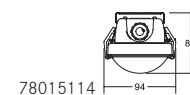
78012114



78013114



78014114



78015114

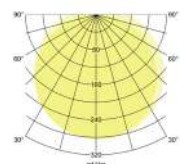
HUMID ONE LED moisture-proof diffuser luminaire

Illuminants: LED, color rendering: CRI > 80, beam angle: 120°, material: Polycarbonate / Stainless steel, delivery: including converter for connection with 230 V mains voltage

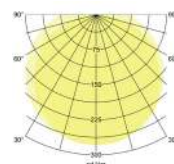
Luminaire can be switched down from 350 mA to as low as 200 mA by integrated dip switch.

Service life:

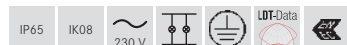
L80/B50, 50,000 hrs. (ta: +25 °C)



78011114

78012114/78013114/
78014114/78015114

Item no.	Luminous flux	Power	Color temperature	Control	Length	Width	System efficiency
78011114	2,300 lm	18 W	4000 K	Switchable	580 mm	94 mm	127 lm / W
78012114	2,300 lm	18 W	4000 K	Switchable	1,190 mm	73 mm	127 lm / W
78013114	3,600 lm	28 W	4000 K	Switchable	1,490 mm	73 mm	128 lm / W
78014114	4,500 lm	35 W	4000 K	Switchable	1,190 mm	94 mm	128 lm / W
78015114	6,900 lm	51 W	4000 K	Switchable	1,490 mm	94 mm	135 lm / W
78111114	2,500 lm	20 W	4000 K	DALI	580 mm	94 mm	125 lm/W
78114114	4,900 lm	38 W	4000 K	DALI	1,190 mm	94 mm	128 lm/W
78115114	7,100 lm	55 W	4000 K	DALI	1,490 mm	94 mm	129 lm/W



These items are subject to discount group 2.

Variants with 3h emergency light battery

NEW

Item no.	Luminous flux	Power	Color temperature	Control	Length	Width	System efficiency
78912114 NEW	2,300 lm	18 W	4000 K	Switchable	1,190 mm	73 mm	127 lm / W
78913114 NEW	3,600 lm	28 W	4000 K	Switchable	1,490 mm	73 mm	128 lm / W



These items are subject to discount group 2.



Accessories for HUMID ONE LED moisture-proof tub luminaire

Item no.	Description
81011060	Through-wiring for 78011..., 580 mm, The set comprises: Line 3 x 1.5 mm ² (rigid), terminal block on one side including screws
81011120	Through-wiring for 78012... / 78014..., 1,190 mm, The set comprises: Line 3 x 1.5 mm ² (rigid), terminal block on one side including screws
81011150	Through-wiring for 78013... / 78015..., 1,490 mm, The set comprises: Line 3 x 1.5 mm ² (rigid), terminal block on one side including screws

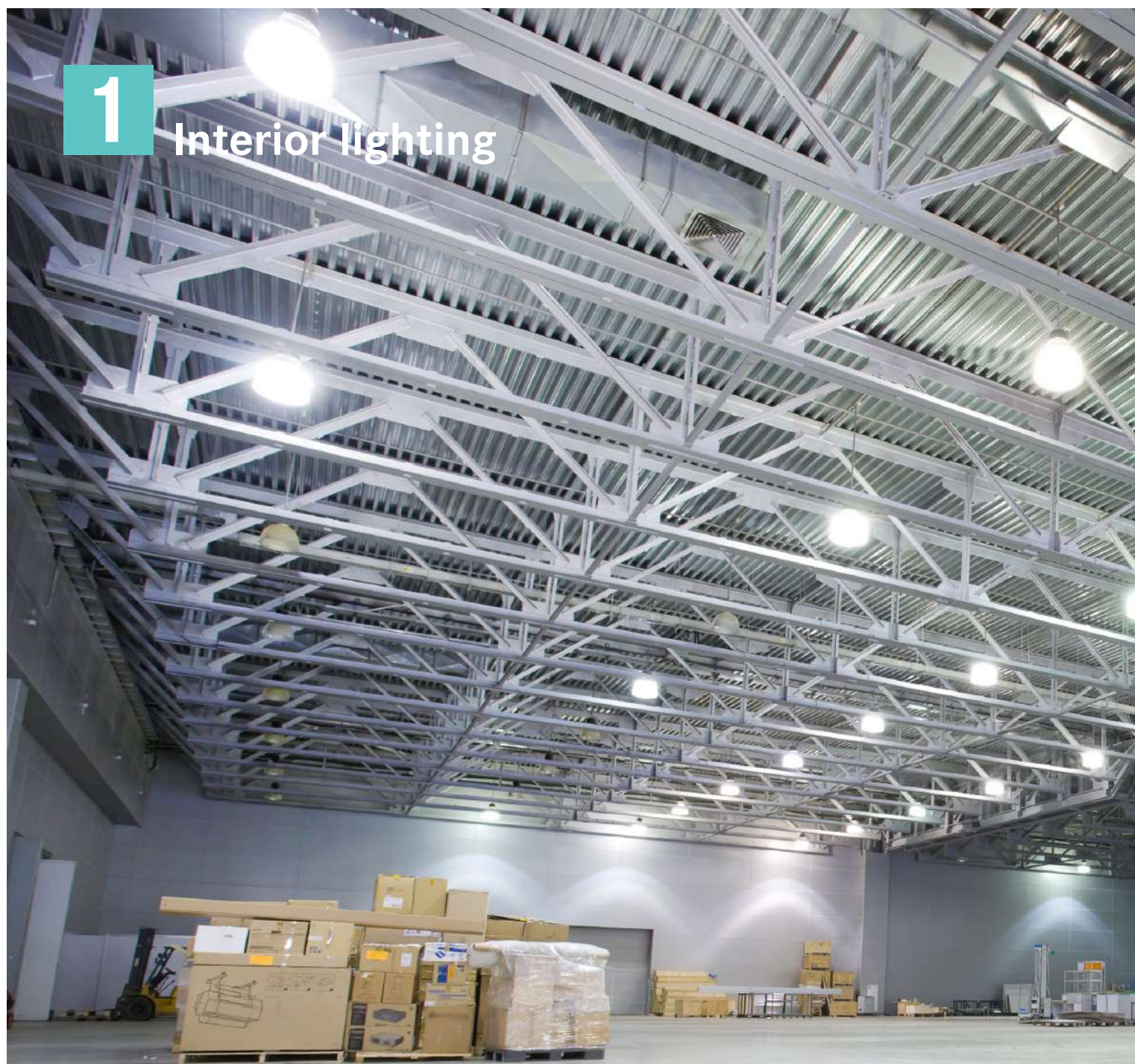
81078030 NEW	Conversion kit HUMID ONE emergency light with a 3 h battery pack
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These items are subject to discount group 2.



1

Interior lighting



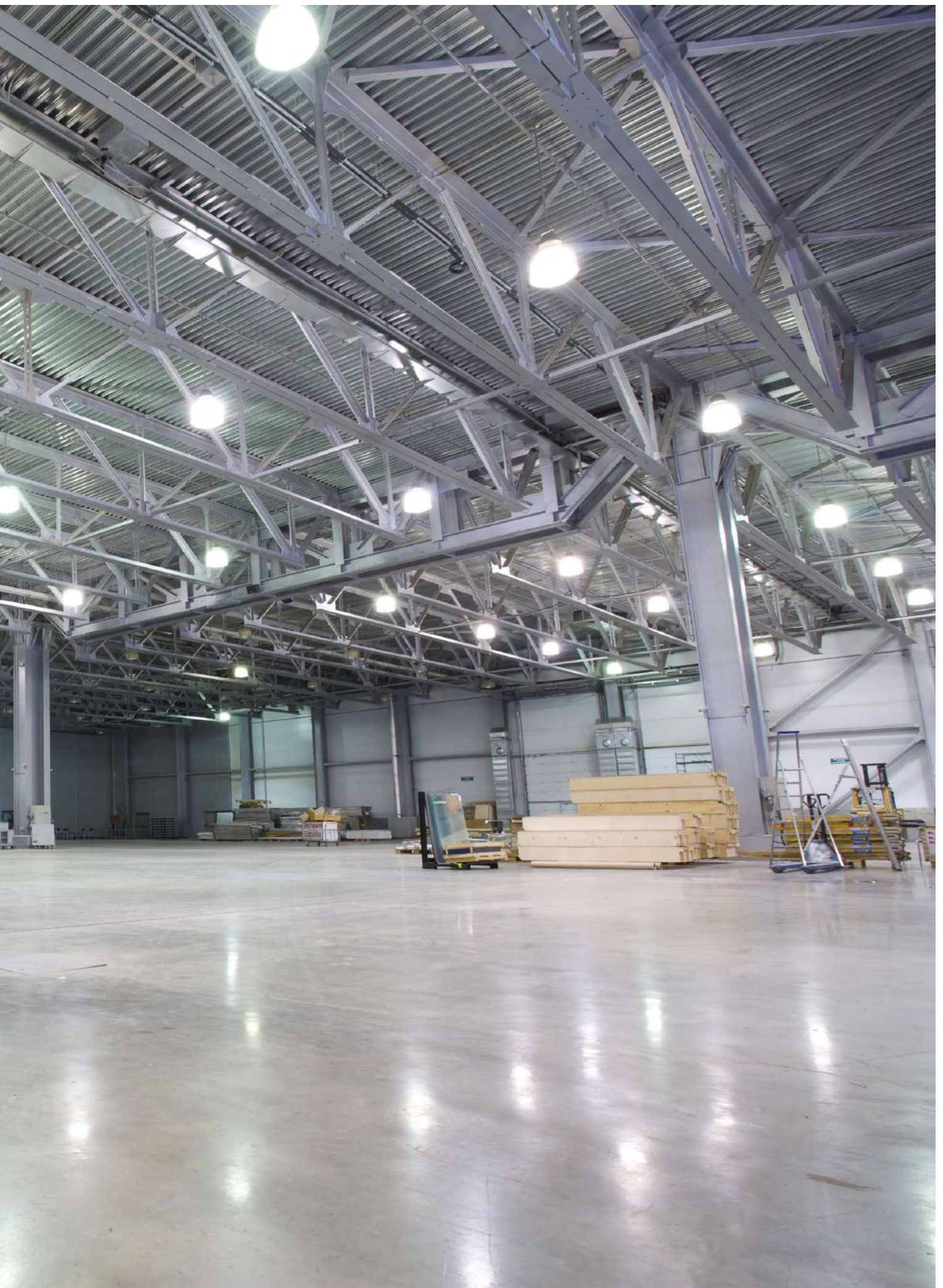
10

LED low bay luminaire.

The perfect choice for industrial halls illuminated according to standards.

SOL Highbay

p. 194

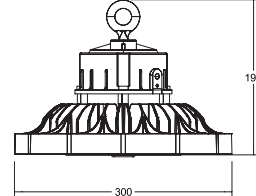
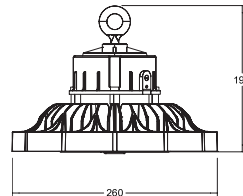
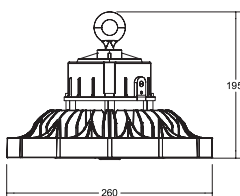


SOL Highbay / LED highbay luminaires.

Safe and effective illumination for industrial facilities.

Key features of the products:

- 5 years Brumberg warranty.
(Registration is available on the Brumberg website in the Services section).
- BEG LED light promotion.
- D-marking for fire hazardous locations.
- Long service life: L80B50 > 50,000 h at + 25 °C.
- High luminous efficacy: 155 lm per watt.
- Dimmable by default: DALI-2.
- Wide range of accessories.
- Protection class: IP65.
- Low maintenance lighting realization.
- Ambient temperature range: -25 °C to +45 °C.



SOL LED low bay luminaire, DALI-2 dimmable

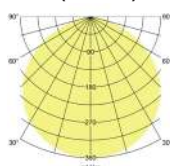
Highbay LED downlight including power supply for 230 V mains voltage, dimmable DALI-2

Illuminants: LED, color rendering: CRI > 80, beam angle: 120°, material: Aluminum / polycarbonate, delivery: including screwable fixing eye and 1,500 mm connection line

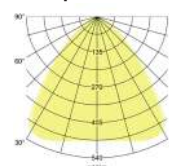
Service life:

L80/B50, 50,000 hrs. (ta: +25 °C)

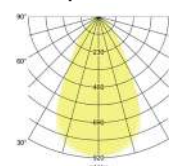
120° (normal)



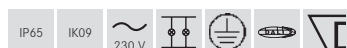
90° optics



60° Optics



Item no.	Color	Luminous flux	Color temperature	Power	Width	Height	System efficiency
78310084	Black	12,100 lm	4000 K	80 W	260 mm	195 mm	151 lm / W
78311084	Black	18,000 lm	4000 K	120 W	260 mm	195 mm	150 lm / W
78312084	Black	24,800 lm	4000 K	160 W	300 mm	195 mm	155 lm / W



These items are subject to discount group 2.

Sizes in mm | All specified prices are non-binding recommended retail prices (RRP) in euros excluding VAT.
Errors subject to change. | Orders are subject to our General Terms and Conditions of Sale printed from page 250 onwards.

Accessories for SOL indoor downlights

Item no.	Description
81060000	Interchangeable optics SOL 60° for 78310 / 78311
81090000	Interchangeable optics SOL 90° for 78310 / 78311
81062000	Interchangeable optics SOL 60° for 78312
81092000	Interchangeable optics SOL 90° for 78312
81045250	SOL aluminum luminaire shade for 78310 / 78311
81046250	SOL aluminum luminaire shade for 78312
81048000	SOL PC luminaire shade for 78312
81049080	Ceiling / wall bracket SOL
81051000	SOL chain suspension, 1,000 mm
81052000	Chain suspension SOL, 2,000 mm
81053000	Chain suspension SOL, 3,000 mm
81055000	Chain suspension SOL, 5,000 mm
81057000	SOL cable connector, 3-pin, IP68, black
81058000*	SOL Y-cable connector, 5-pin, IP68, black
81050000	SOL reducer, NPT 3/4" on M10

These items are subject to discount group 2.

* Function Y-connector:

1. Simplified through wiring
2. DALI connection possible



Interchangeable optics



Aluminum luminaire shade



PC luminaire shade



Ceiling / wall bracket



Chain suspension



Cable connector



Reducer



Y-cable connector

Overview of glare control values

UGR - value	For article - combination	Luminous flux	Luminous flux / W
< 19	78310084 (80 W) + 81060000 (60° interchangeable optics) + 81045250 (aluminum shade)	11,400 lm	142 lm / W
	78311084 (120 W) + 81060000 (60° interchangeable optics) + 81045250 (aluminum shade)	17,000 lm	141 lm / W
	78312084 (160 W) + 81062000 (60° interchangeable optics) + 81046250 (aluminum shade)	23,600 lm	147 lm / W
< 22	78310084 (80 W) + 81090000 (90° interchangeable optics) + 81045250 (aluminum shade)	11,400 lm	142 lm / W
	78311084 (120 W) + 81045250 (aluminum shade)	15,400 lm	128 lm / W
	78312084 (160 W) + 81062000 (60° interchangeable optics) + 81048000 (PC shade)	21,600 lm	135 lm / W
< 25	78310084 (80 W) + 81045250 (aluminum shade)	10,400 lm	130 lm / W
	78311084 (120 W) + 81090000 (90° interchangeable optics) + 81045250 (aluminum shade)	17,100 lm	142 lm / W
	78312084 (160 W) + 81092000 (90° interchangeable optics) + 81046250 (aluminum shade)	22,900 lm	143 lm / W
	78312084 (160 W) + 81046250 (aluminum shade)	22,500 lm	140 lm / W
	78312084 (160 W) + 81092000 (90° interchangeable optics) + 81048000 (PC shade)	23,500 lm	146 lm / W
	78312084 (160 W) + 81048000 (PC shade)	22,900 lm	143 lm / W
< 28	78310084 (80 W) + 81060000 (60° interchangeable optics)	12,100 lm	151 lm / W
	78310084 (80 W) + 81090000 (90° interchangeable optics)	12,100 lm	151 lm / W
	78312084 (160 W) + 81062000 (60° interchangeable optics)	24,400 lm	152 lm / W

1

Interior lighting

11

LED rescue sign luminaires.

Reliable, standard-compliant illumination for emergency situations.

RESCUE LED escape sign luminaires
Test functions Explanation

p. 198

p. 201



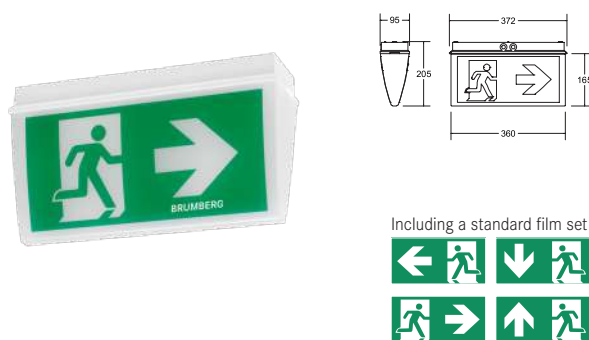
RESCUE escape sign luminaires.

Find your way in an emergency.



Key features of the products:

- Made in Germany.
- 5 years Brumberg warranty.
(Registration is available on the Brumberg website in the Services section).
- High durability and storage times due to LiFePO₄ (lithium iron phosphate) rechargeable batteries. (*Up to half a year, then recharge).
- One light for all operating hours.
- 8 hrs. for lodging facilities.
- 3 hrs. for all other areas.
- Self-adhesive pictogram set, quick replacement.
- Illumination of the rescue sign $> 200 \text{ cd/m}^2$.
- Technical design in accordance with EN 60598.2.22.
- All with AUTOTEST - function from outside with visible test LED, which is carried out automatically by the luminaire every 30 days.
- Rescue ONE: made of plastic, durable and robust
Rescue TWO: made of aluminum, aesthetic and functional



RESCUE ONE LED rescue sign luminaire, ceiling or wall-mounted

Detection range (DR): 32 m, nominal operating time 3 h, nominal operating time can be changed to 8 h, then the emergency lighting factor (BLF) is still 40%, ceiling or wall mounting, including LiFe-PO4 single battery and pictogram set

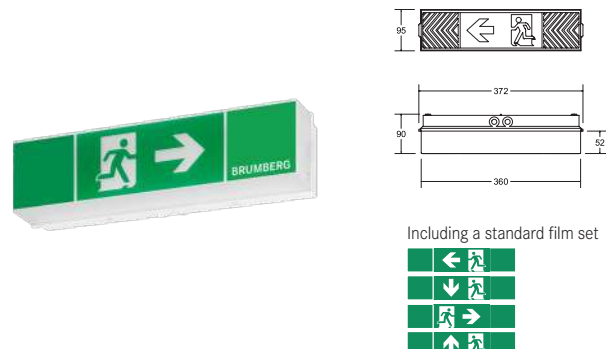
Illuminants: LED, lamp power: 2.4 W, system power: 4.6 W, material: Polycarbonate, rechargeable battery type: LiFe-PO4, monitoring device: automatic self-test

Other pictogram films can be made available on request.

Item no.	Light color	Detection range (DR)	Rated operating time at flashing light field (BLF) 100 %	Rated operating time at flashing light field (BLF) 40 %
79030004	4000 K	32 m	3 h	8 h



This item is subject to discount group 2.



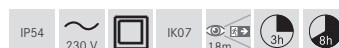
RESCUE ONE LED escape sign luminaire, wall-mounted

Detection range (DR): 18 m, nominal operating time 3 h, nominal operating time can be changed to 8 h, then the emergency lighting factor (BLF) is still 40 %, wall mounting, incl. LiFe-PO4 single battery and pictogram set

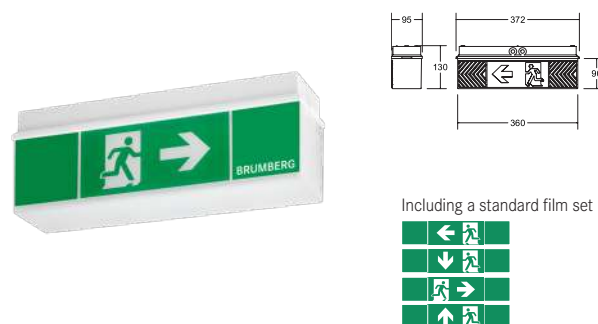
Illuminants: LED, lamp power: 2.4 W, system power: 4.6 W, material: Polycarbonate, rechargeable battery type: LiFe-PO4, monitoring device: automatic self-test

Other pictogram films can be made available on request.

Item no.	Light color	Detection range (DR)	Rated operating time at flashing light field (BLF) 100 %	Rated operating time at flashing light field (BLF) 40 %
79130004	4000 K	18 m	3 h	8 h



This item is subject to discount group 2.



RESCUE ONE LED rescue sign luminaire, ceiling or wall mounted

Detection range (DR): 18 m, Rated operating time 3 h, rated operating time can be changed to 8 h, then the emergency lighting factor (flashing light field) is still 40 %, ceiling or wall mounting, incl. LiFe-PO4 single battery and pictogram set.

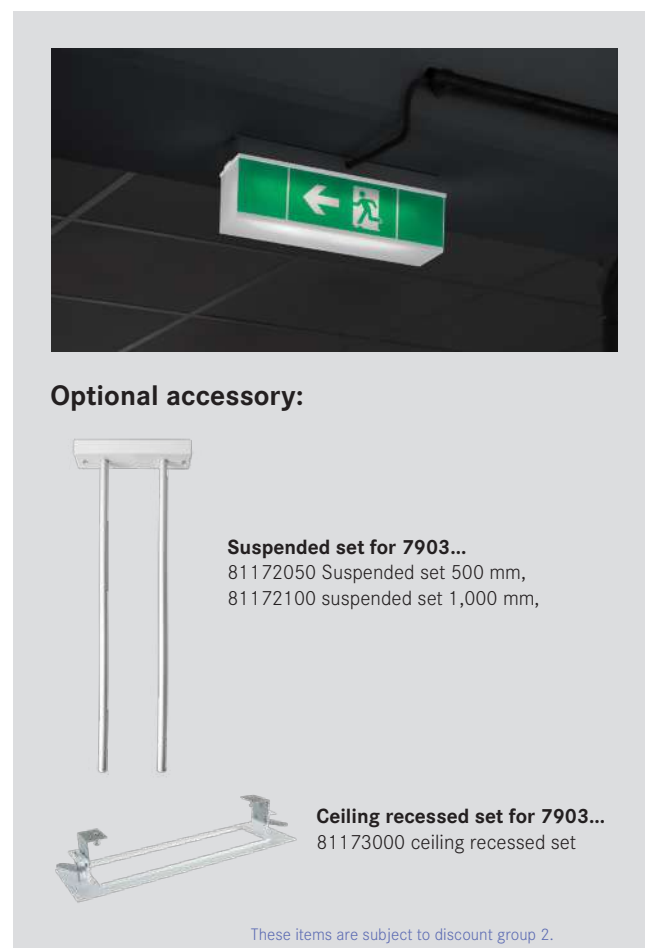
Illuminants: LED, lamp power: 2.4 W, system power: 4.6 W, material: Polycarbonate, rechargeable battery type: LiFe-PO4, monitoring device: automatic self-test

Other pictogram films can be made available on request.

Item no.	Light color	Detection range (DR)	Rated operating time at flashing light field (BLF) 100 %	Rated operating time at flashing light field (BLF) 40 %
79031004	4000 K	18 m	3 h	8 h



This item is subject to discount group 2.



Optional accessory:

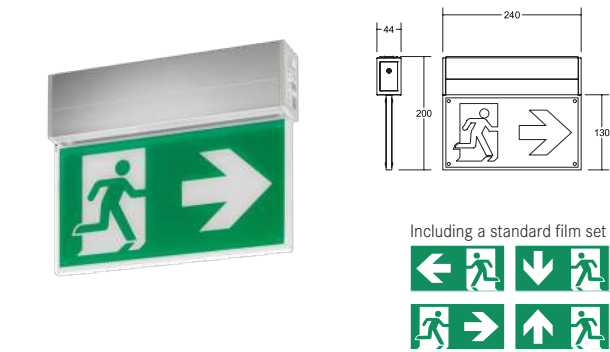
Suspended set for 7903...

81172050 Suspended set 500 mm,
81172100 suspended set 1,000 mm,

Ceiling recessed set for 7903...

81173000 ceiling recessed set

These items are subject to discount group 2.



RESCUE TWO LED rescue sign luminaire,
ceiling or wall surface-mounting

Detection range (DR): 25 m, Rated operating time 3 h, rated operating time can be changed to 8 h, then the emergency lighting factor (flashing light field) is still 40 %, ceiling or wall mounting, incl. LiFe-PO4 single battery and pictogram set.

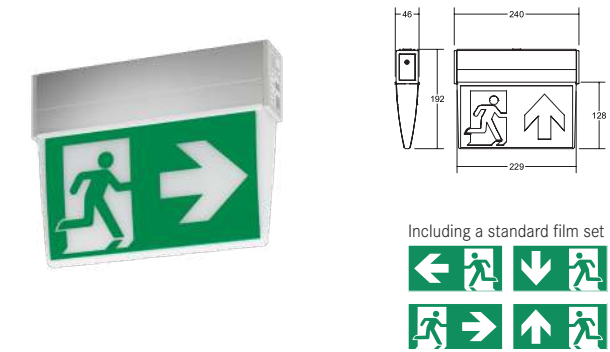
Illuminants: LED, lamp power: 2.4 W, system power: 4.6 W, material: Aluminum / polycarbonate, rechargeable battery type: LiFe-PO4, monitoring device: automatic self-test

Other pictogram films can be made available on request.

Item no.	Light color	Detection range (DR)	Rated operating time at flashing light field (BLF) 100 %	Rated operating time at flashing light field (BLF) 40 %
79230264	4000 K	25 m	3 h	8 h



This item is subject to discount group 2.



RESCUE TWO LED rescue sign luminaire,
ceiling or wall surface-mounting

Detection range (DR): 25 m, Rated operating time 3 h, rated operating time can be changed to 8 h, then the emergency lighting factor (flashing light field) is still 40 %, ceiling or wall mounting, incl. LiFe-PO4 single battery and pictogram set.

Illuminants: LED, lamp power: 2.4 W, system power: 4.6 W, material: Aluminum / polycarbonate, rechargeable battery type: LiFePO4, monitoring device: automatic self-test

Other pictogram films can be made available on request.

Item no.	Light color	Detection range (DR)	Rated operating time at flashing light field (BLF) 100 %	Rated operating time at flashing light field (BLF) 40 %
79231264	4000 K	25 m	3 h	8 h



This item is subject to discount group 2.



Optional accessory:



Central suspended for 79230... and 79231...
Length 300 mm, item no. 81170030
Length 500 mm, item no. 81170050
Length 1,000 mm item no. 81170100



Recessed ceiling installation set for 79230...
Item no. 81171001



Recessed ceiling installation set for 79231...
Item no. 81171000

[These items are subject to discount group 2.](#)

LED rescue sign luminaires.

Test functions.

Auto test

- Function test: 30 days after switching on the supply voltage, test duration: 5min
- Capacity test: The 12th function test is carried out as an operating duration test, test duration: 3/8h

Manual test

- Press "Test" button for approx. 2 seconds
- It gets automatically terminated after 5 minutes
- Premature cancellation of a manual test: Press button for 3 seconds until the status indicator LED lights up green or flashes

Luminaires with test delay

- Not all emergency luminaires or security lights in a room can perform the function test at the same time
- Half of the luminaires are equipped with the required test delay at the factory (sticker "Test delay" on reflector)
- Press and hold the test button for at least 6 seconds until the status LED starts flashing alternately red/green light
- LED lights up "green" = Test delay is inactive
- LED lights up "red" = Test delay is active
- Briefly press the button again: Status change,
- Save setting, press and hold the test button for longer than 3 seconds during the selected status
- Status LED flashes, release test button. Configuration is saved

Function display LED

- | | |
|--------------------------------|------------------------------------|
| - Green (Steady) | Mains present, charge OK |
| - Off | Mains missing, emergency operation |
| - Red flashing (2sec cycle) | Illuminant error |
| - Flashing red (1sec cycle) | Battery capacity error |
| - Red (Steady) | Charge error, battery error |
| - Flashing orange (1sec-cycle) | Function test running |
| - Flashing orange (2sec cycle) | Burning duration test running |



Example of a function display

2

Exterior lighting

12

Ceiling-mounted luminaires.

Effective general lighting
for the outdoor living room.

BARTIE LED ceiling & wall mounted luminaires

p. 204

BLOKK LED surface mounted luminaires

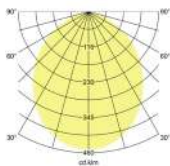
p. 205



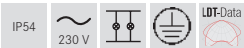


BARTIE LED ceiling-mounted & wall surface-mounted luminaires, IP54

Illuminants: LED, color rendering: CRI > 80, power: 14 W, beam angle: 110°, Material: Aluminum / Acrylic, delivery: including converter for connection with 230 V mains voltage, switchable



Item no.	Color	Luminous flux	Color temperature	System efficiency
60107183	Structural black	1,210 lm	3000 K	86 lm / W

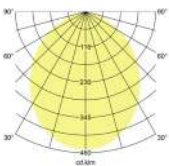


This item is subject to discount group 1.

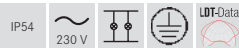


BARTIE LED ceiling-mounted & wall surface-mounted luminaires, IP54

Illuminants: LED, color rendering: CRI > 80, power: 14 W, beam angle: 110°, Material: Aluminum / Acrylic, delivery: including converter for connection with 230 V mains voltage, switchable



Item no.	Color	Luminous flux	Color temperature	System efficiency
60108183	Structural black	1,230 lm	3000 K	88 lm / W



This item is subject to discount group 1.

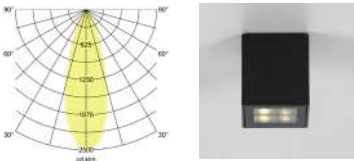


Church, Neheim

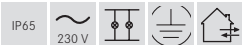


BLOKK LED ceiling-mounted luminaire, IP65

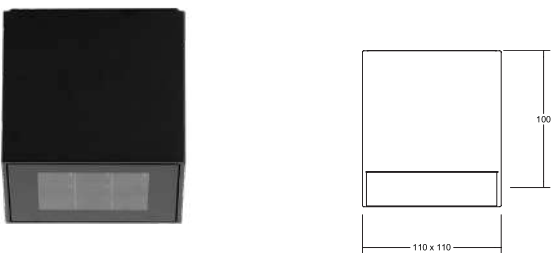
Illuminants: LED, color rendering: CRI > 80, power: 10 W, beam angle: 34°, Material: Aluminum / Glass, delivery: including converter for connection with 230 V mains voltage, switchable



Item no.	Color	Luminous flux	Color temperature	System efficiency
60115103	Structural graphite	635 lm	3000 K	64 lm / W

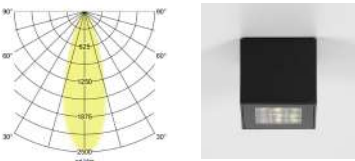


This item is subject to discount group 1.

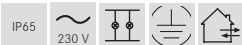


BLOKK LED ceiling-mounted luminaire, IP65

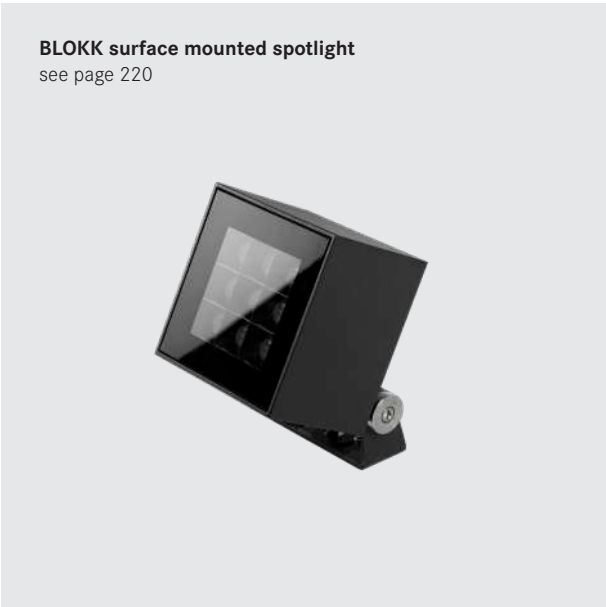
Illuminants: LED, color rendering: CRI > 80, power: 22 W, beam angle: 32°, Material: Aluminum / Glass, delivery: including converter for connection with 230 V mains voltage, switchable



Item no.	Color	Luminous flux	Color temperature	System efficiency
60116103	Structural graphite	1,600 lm	3000 K	76 lm / W



This item is subject to discount group 1.



BLOKK surface mounted spotlight
see page 220

2

Exterior lighting

13

Wall-mounted luminaires.

Secure paths, stage facades,
emphasize architecture.

**STICK LED Wall surface-mounted
luminaires**

p. 208

**EYE LED Wall surface-mounted
luminaires**

p. 210

**YLIP LED Wall surface-mounted
luminaires**

p. 212

**QUADER LED Wall surface-mounted
luminaires**

p. 214



Switchable color temperature
- 3000 K or 4000 K.

Interchangeable luminaire
head for consistent design in
wall and bollard luminaires.



IP65
IK08

IP65 has complete protection against contact. Dust cannot enter and it is protected against water jets from any direction.

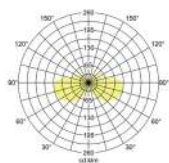
STICK.**LED wall surface-mounted luminaires.**

Continuous design for outdoor use.

The free-radiating STICK LED surface-mounted wall luminaire is particularly suitable for entrance and path areas due to its IP65 protection rating and serves as a safety and orientation light in the area of driveways and garage doors. The pleasant diffuse light not only creates a pleasant atmosphere but is also absolutely glare-free at the same time thanks to the opal cover. The luminaire is characterized by enormous robustness and durability due to high-quality materials. In addition to the wall luminaire, the luminaire series is rounded off by matching bollard luminaires.

**STICK LED wall mounted luminaire, IP65****NEW**

Illuminants: LED, color rendering: CRI > 80, power: 8 W, beam angle: 120°, material: Aluminum / plastic, delivery: including converter for connection with 230 V mains voltage, switchable



Item no.	Color	Luminous flux	Color temperature	System efficiency
10039183 NEW	Structural black	530 lm	3000 K / 4000 K	66 lm/W



This item is subject to discount group 1.

STICK Bollard luminaires

See page 225





Switchable color temperature
3000 K, 4000 K or 5700 K

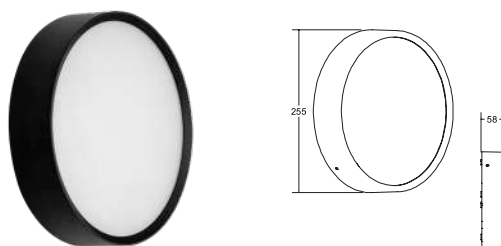
Switchable color temperature
3000 K, 4000 K or 5700 K



EYE.
Impact resistant
with adjustable col-
or temperature.

**IP65
IK08**

EYE is particularly resistant (**IK impact strength grade 8/10**). This feature is a distinctive quality mark, especially for outdoor luminaires. It increases the service life of luminaires and makes them resistant to external influences. In addition, thanks to a switch, EYE offers light color temperatures of **3000 Kelvin, 4000 Kelvin and 5700 Kelvin** that can be adjusted on site. These lights thus provide the right light for every situation.



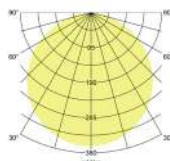
EYE LED-wall surface-mounted luminaire, IP65 NEW

The color temperatures can be adjusted on site from 3000 K to 4000 K or 5700 K.

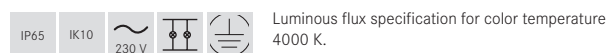
Illuminants: LED, color rendering: CRI > 80, power: 12 W, beam angle: 110°, material: Aluminum / plastic, delivery: including converter for connection with 230 V mains voltage, switchable

Service life:

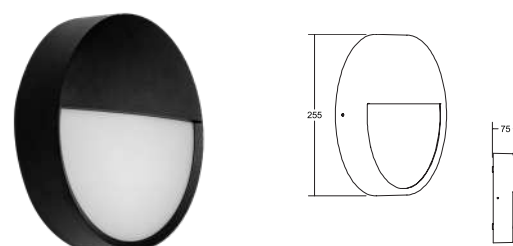
L70/B50, > 50.000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	System efficiency
10036173 NEW	Structural white	1,000 lm	83 lm / W
10036183	Structural black	1,000 lm	83 lm / W



These items are subject to discount group 1.



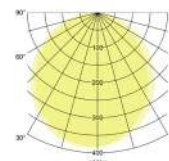
EYE LED-wall surface-mounted luminaire, IP65 NEW

The color temperatures can be adjusted on site from 3000 K to 4000 K or 5700 K.

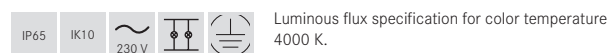
Illuminants: LED, color rendering: CRI > 80, power: 12 W, beam angle: 110°, material: Aluminum / plastic, delivery: including converter for connection with 230 V mains voltage, switchable

Service life:

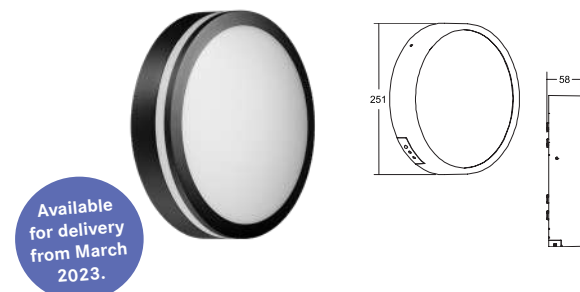
L70/B50, > 50.000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	System efficiency
10037173 NEW	Structural white	880 lm	73 lm / W
10037183	Structural black	880 lm	73 lm / W



These items are subject to discount group 1.



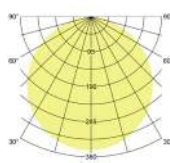
EYE LED-wall surface-mounted luminaire, IP65 NEW

The color temperatures can be adjusted on site from 3000 K to 4000 K or 5700 K.

Illuminants: LED, color rendering: CRI > 80, power: 18 W, beam angle: 120°, material: Aluminum / plastic, delivery: including converter for connection with 230 V mains voltage, switchable

Service life:

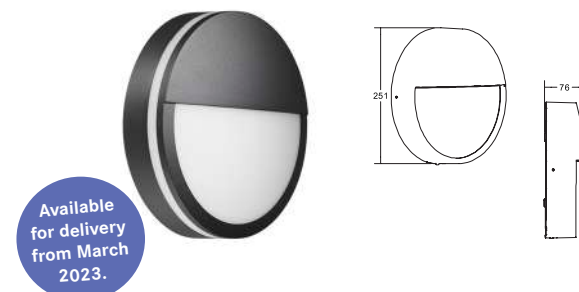
L70/B50, > 50.000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	System efficiency
10136173 NEW	Structural white	1,530 lm	85 lm / W
10136183 NEW	Structural black	1,530 lm	85 lm / W



These items are subject to discount group 1.



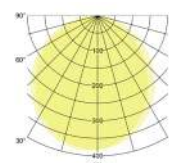
EYE LED-wall surface-mounted luminaire, IP65 NEW

The color temperatures can be adjusted on site from 3000 K to 4000 K or 5700 K.

Illuminants: LED, color rendering: CRI > 80, power: 18 W, beam angle: 120°, material: Aluminum / plastic, delivery: including converter for connection with 230 V mains voltage, switchable

Service life:

L70/B50, > 50.000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	System efficiency
10137173 NEW	Structural white	900 lm	50 lm / W
10137183 NEW	Structural black	900 lm	50 lm / W



These items are subject to discount group 1.

Switchable color temperature
3000 K, 4000 K or 5700 K

IP65 has complete protection against contact. Dust cannot enter and it is protected against water jets from any direction.

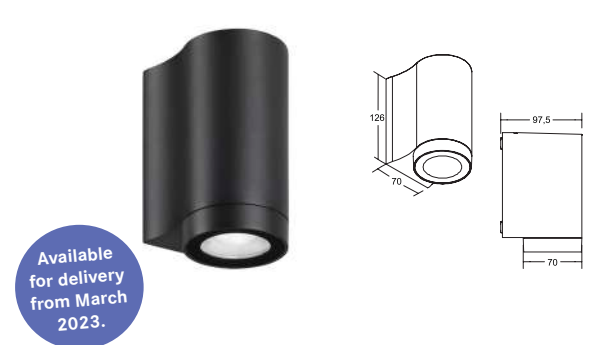
IP65
IK06

YLIP.**LED wall mounted luminaires.**

Variable color temperature for the facade.

The YLIP LED surface-mounted wall spotlight is available in single- or double-lamp versions.

With its soft shape, the minimalist-looking outdoor luminaire integrates inconspicuously into the architecture and forms a harmonious overall appearance. The housing is made of powder-coated aluminum and is jet water protected and dust-tight. Depending on requirements, the color temperature can be varied on site.

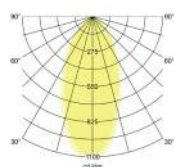
**YLIP LED wall-mounted luminaire, IP65, direct****NEW**

The color temperature can be adjusted on site from 3000 K to 4000 K or 5700 K.

Illuminants: LED, color rendering: CRI > 80, power: 8 W, beam angle: 120°, material: Aluminum / Glass, delivery: including converter for connection with 230 V mains voltage, switchable

Service life:

L80/B50, 54,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	System efficiency
10130183 NEW	Structural black	800 lm	100 lm / W



This item is subject to discount group 1.

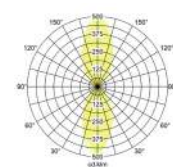
**YLIP LED wall mounted luminaire, IP65, direct / indirect****NEW**

The color temperature can be adjusted on site from 3000 K to 4000 K or 5700 K.

Illuminants: LED, color rendering: CRI > 80, power: 15 W, beam angle: 120°, material: Aluminum / Glass, delivery: including converter for connection with 230 V mains voltage, switchable

Service life:

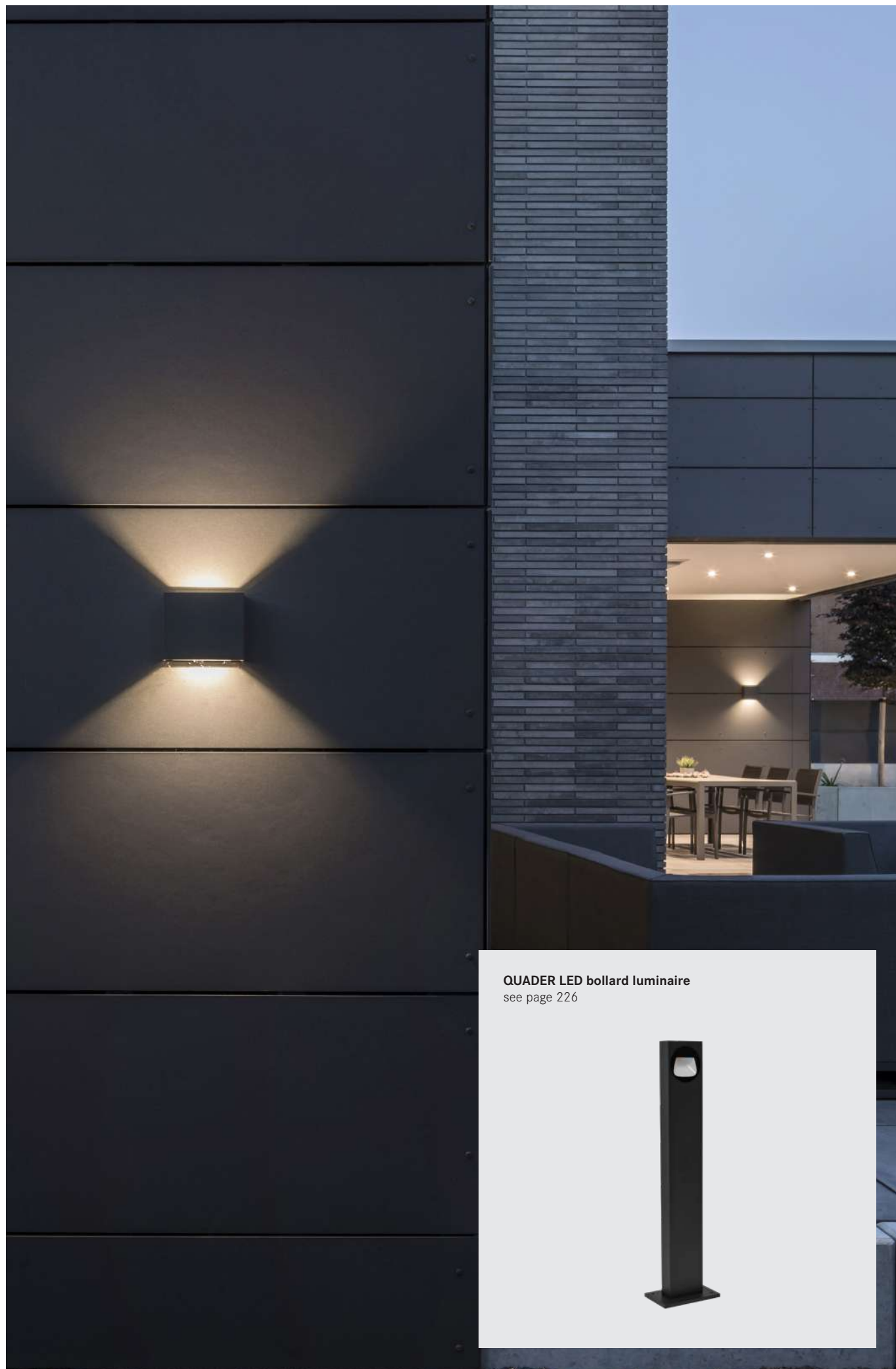
L80/B50, 54,000 hrs. (ta: +25 °C)



Item no.	Color	Luminous flux	System efficiency
10131183 NEW	Structural black	1,500 lm	100 lm / W



This item is subject to discount group 1.



QUADER LED bollard luminaire
see page 226



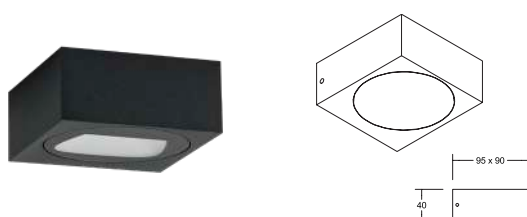
QUADER.

Product series of LED wall mounted and LED bollard luminaires.

Illumination in a purist design.

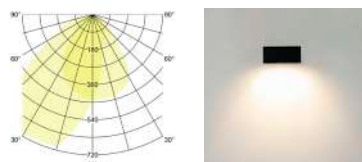
The QUADER product line is characterized by clear lines. With its uniform geometric design language, it offers matching **LED bollard and LED wall mounted luminaires**. With their different beam angles, they ensure optimum illumination for outdoor areas.

With its LED output of 9 watts, the bollard luminaire is ideal for safely illuminating paths and traffic zones. In addition, surface-mounted wall luminaires with **direct or direct/indirect light fractions** provide suitable illumination for facades or patio areas. The aluminum housing in textured graphite is optically suitable for almost any type of building. Brumberg supplies the QUADER including converter and 500 mm connecting line for connection to 230 V mains voltage.



QUADER LED wall mounted luminaire, IP65, direct

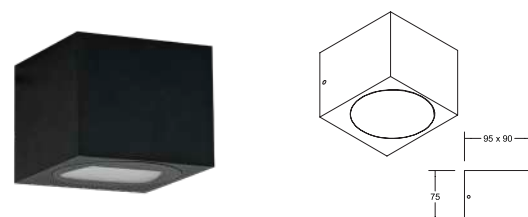
Illuminants: LED, power: 5 W, beam angle: 60°, material: Aluminum / Glass, delivery: including converter for connection with 230 V mains voltage, switchable



Item no.	Color	Luminous flux	Color temperature	System efficiency
10120103	Structural graphite	310 lm	3000 K	62 lm / W

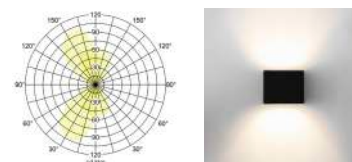


This item is subject to discount group 1.



QUADER LED wall-mounted luminaire, IP65, direct/ indirect

Illuminants: LED, power: 2x 4 W, beam angle: 75°, Material: Aluminum / Glass, delivery: including converter for connection with 230 V mains voltage, switchable



Item no.	Color	Luminous flux	Color temperature	System efficiency
10121103	Structural graphite	620 lm	3000 K	78 lm / W



This item is subject to discount group 1.

2

Exterior lighting

14 Floor luminaires. Impressive lighting accents.

HYBRIDE FLAT LED floor lights
HYBRIDE MINI LED ground lights

p. 218
p. 219

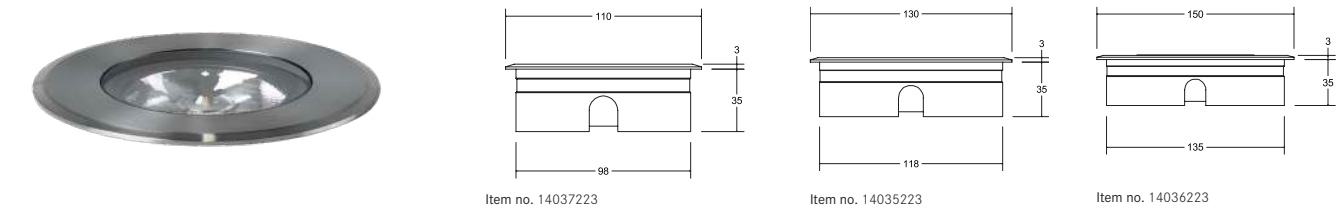
BLOKK LED surface mounted spotlights p. 220



HYBRIDE FLAT.

A luminaire design for floor and ceiling.

With a casing seat of 35 millimeters and a cut-out dimension of 98 millimeters, 118 millimeters or 135 millimeters, Hybride Flat is ideal for **floors and ceilings** - thanks to the floor sleeve or leaf spring. These lights are presented in a continuous design that allows for a uniform design of floor and ceiling.



HYBRIDE FLAT LED ceiling / floor recessed luminaire, V4A, IP67

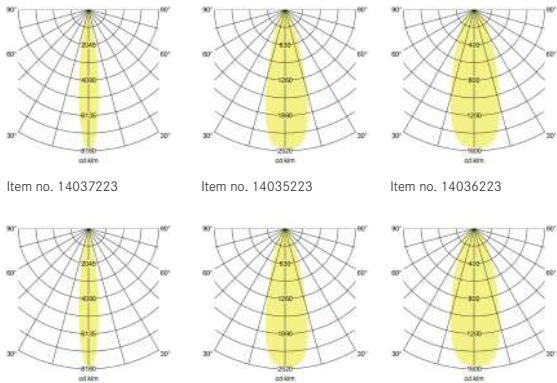
Illuminants: LED, color rendering: CRI > 80, material: stainless steel / aluminum / glass, delivery: incl. 1,000 mm connection line with Aquastop and ceiling mounting springs

You will find the corresponding 24 V power supplies in the main catalog LICHT 2022 from page 532 onwards.

Item no.	Color	Luminous flux	Power	Color temperature	Beam angle	System efficiency
14037223	Stainless steel	420 lm	6 W	3000 K	20°	70 lm / W
14035223	Stainless steel	450 lm	9 W	3000 K	30°	50 lm / W
14036223	Stainless steel	890 lm	12 W	3000 K	30°	74 lm / W



HYBRIDE FLAT is available exclusively in the switchable model.



These items are subject to discount group 1.



Ceiling-mounted variants



Wall-mounted variants

HYBRIDE MINI.

Accentuate terraces and paths.

The Hybride Mini is made of 100 percent V4A stainless steel. It is ideally suited for floor mounting. Luminaires with a diameter of 46 millimeters set **light points** with which individual objects, as well as the entire terrace or paths, can be selectively accentuated.

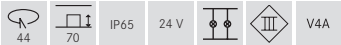


HYBRIDE MINI LED recessed floor luminaire, V4A, IP65

Illuminants: LED, color rendering: CRI > 80, power: 1.4 W, beam angle: 100°, material: Stainless steel / Aluminum / Glass, delivery: incl. 3,000 mm connection line.

You will find the corresponding 24 V power supplies in the main catalog LICHT 2022 from page 532 onwards.

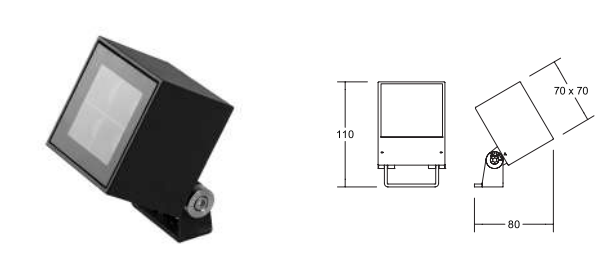
Item no.	Color	Color temperature
14050223	Stainless steel	3000 K
14051223	Stainless steel	3000 K



These items are subject to discount group 1.



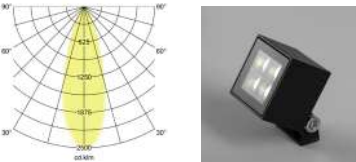
Robust and durable thanks to V4A, IP67 and Aquastop.



BLOKK LED surface mounted spotlight, IP65

Illuminants: LED, color rendering: CRI > 80, power: 10 W, beam angle: 34°, Material: Aluminum / Glass, delivery: including converter for connection with 230 V mains voltage, switchable, 2,000-mm connection line

Optional accessories (see below):
Ground spike item no. 81017000



Item no.	Color	Luminous flux	Color temperature	System efficiency
60111103	Structural graphite	635 lm	3000 K	64 lm / W

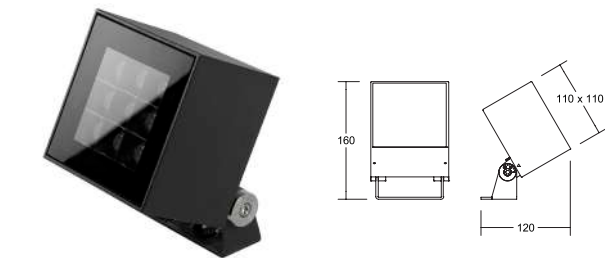
90°

IP65

IK07

230 V

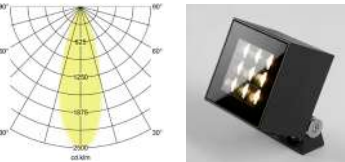
This item is subject to discount group 1.



BLOKK LED surface mounted spotlight, IP65

Illuminants: LED, color rendering: CRI > 80, power: 22 W, beam angle: 32°, Material: Aluminum / Glass, delivery: including converter for connection with 230 V mains voltage, switchable, 2,000-mm connection line

Optional accessories (see below):
Ground spike part no. 81021000
Ground anchor item no. 81023000
Mounting strap item no: 81022000



Item no.	Color	Luminous flux	Color temperature	System efficiency
60112103	Structural graphite	1,600 lm	3000 K	76 lm / W

90°

IP65

IK07

230 V

This item is subject to discount group 1.

BLOKK ceiling-mounted luminaires
see page 205



Optional accessories (discount group 1):



Ground spike for 60111103
Item no. 81017000



Ground spike for 60112103
Item no. 81021000



Ground anchor for concrete fixing
only for 60112103
Item no. 81023000



Mounting strap **only for** 60112103
Item no.: 81022000,
Length 2,000 mm

These items are subject to discount group 1.



2

Exterior lighting

15

Bollard luminaires.

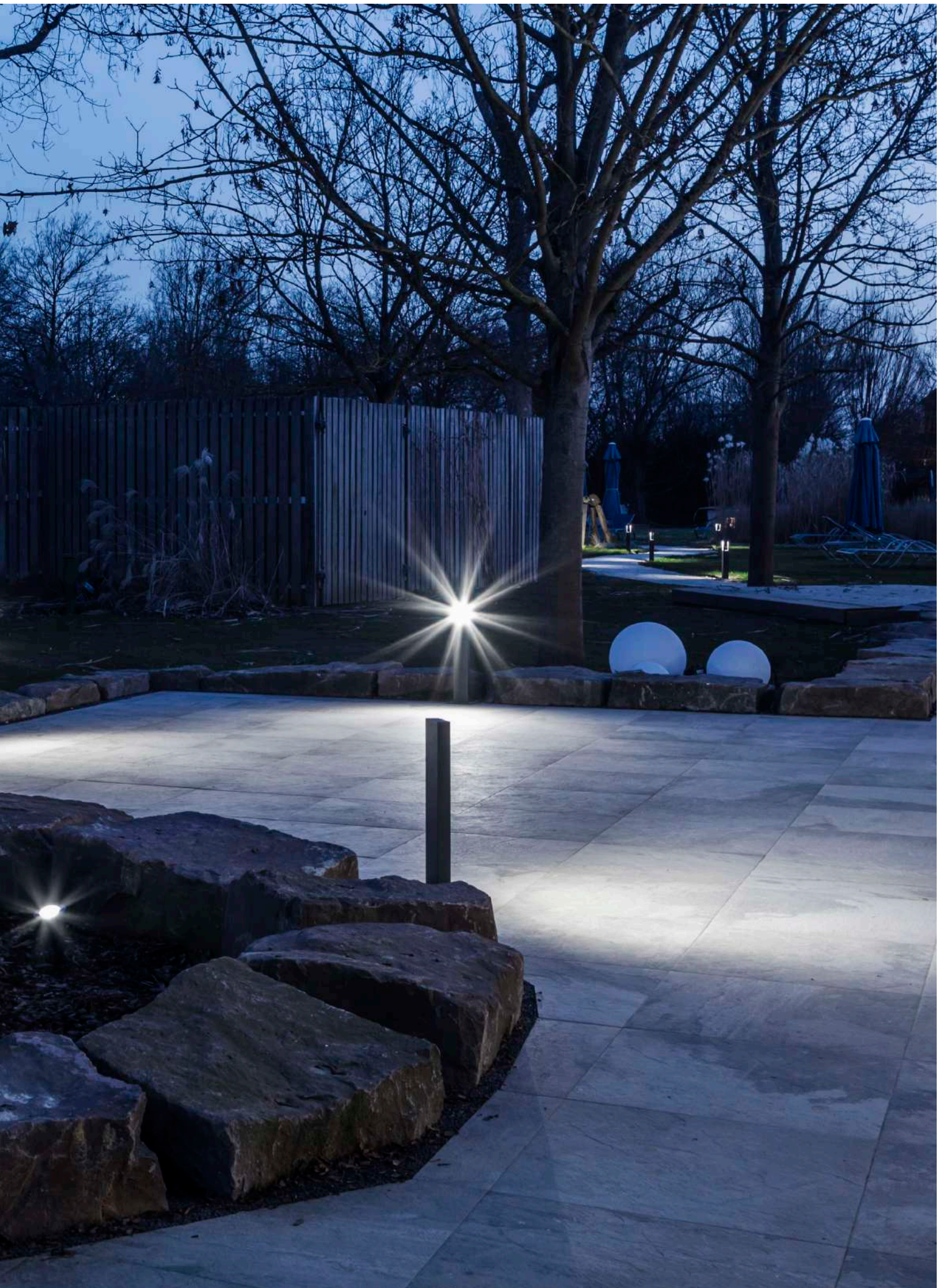
Illuminate pathways, terraces and parks safely and efficiently.

STICK LED bollard luminaires
QUADER LED bollard luminaires

p. 224
p. 226

LANTERN LED bollard luminaires
TRIAN LED bollard luminaires

p. 227
p. 227



Switchable color temperature
3000 K or 4000 K

IP65
IK08

IP65 has complete protection against contact. Dust cannot enter and it is protected against water jets from any direction.

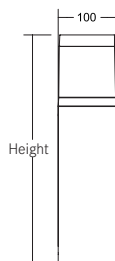
STICK.**LED bollard lights.**

Uniform light for gardens and paths.

Free-radiating light in 360° for garden and path lighting in private and public areas.

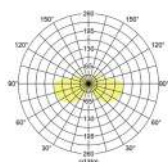
According to the lighting task can be selected from 3 sizes. The light color can also be adjusted in three stages on the underside of the luminaire head, as with the STICK LED wall luminaire. The interchangeable luminaire head, which can be placed on both the wall luminaire and the bollard luminaire, not only ensures a uniform design for all models in the series, but also enables quick and easy installation.

Available
for delivery
from March
2023.

**STICK LED bollard luminaire, IP65**

NEW

Illuminants: LED, color rendering: CRI > 80, power: 8 W, beam angle: 120°, material: Aluminum / plastic, delivery: including converter for connection with 230 V mains voltage, switchable

**STICK LED surface mounted wall luminaire**

see page 209

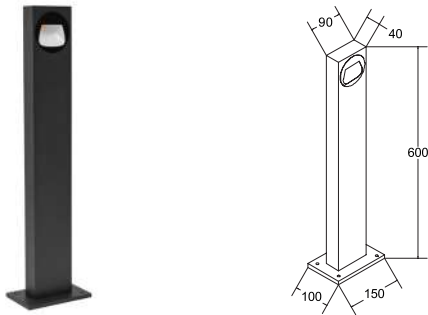


Item no.	Color	Height	Luminous flux	Color temperature	System efficiency
60019183 NEW	Structural black	400 mm	530 lm	3000 K / 4000 K	66 lm/W
60029183 NEW	Structural black	750 mm	530 lm	3000 K / 4000 K	66 lm/W
60039183 NEW	Structural black	1,000 mm	530 lm	3000 K / 4000 K	66 lm/W



These items are subject to discount group 1.

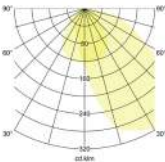
Sizes in mm | All specified prices are non-binding recommended retail prices (RRP) in euros excluding VAT.
Errors subject to change. | Orders are subject to our General Terms and Conditions of Sale printed from page 250 onwards.

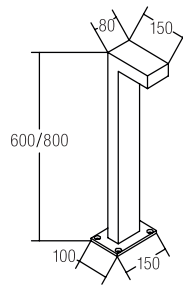


QUADER LED bollard light, IP54

Base dimension: L 100 x W 150 mm

Illuminants: LED, color rendering: CRI > 90, LED power: 9 W, system power: 11 W, Material: Aluminum / Glass, delivery: including converter for connection with 230 V mains voltage, switchable and 500 mm connection line



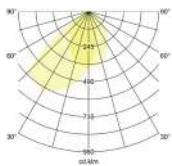


LANTERN LED bollard light, IP65

NEW

Base dimension: L 100 x W 150 mm

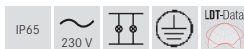
Illuminants: LED, color rendering: CRI > 80, power: 9 W, beam angle: 71°, material: Aluminum / Glass, delivery: including converter for connection with 230 V mains voltage, switchable and 500 mm connection line



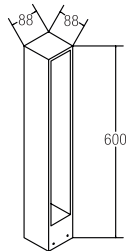
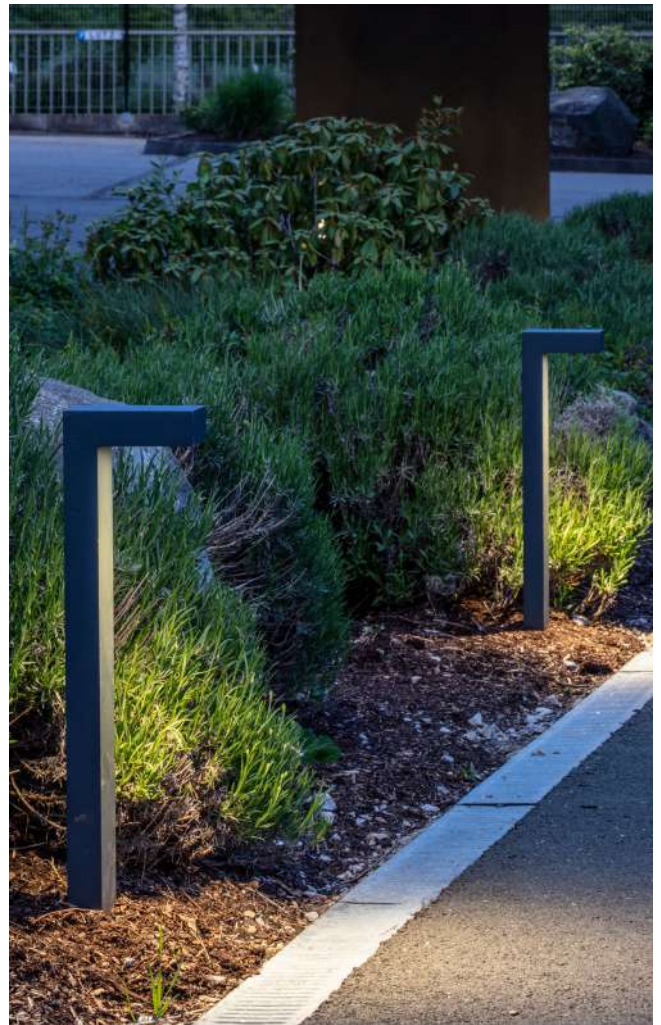
Also available as wall-mounted luminaire:
Item no. 10106103



Item no.	Color	Luminous flux	Color temperature	Height	System efficiency
60006103	structural graphite	520 lm	3000 K	600 mm	58 lm / W
60036103	structural graphite	520 lm	3000 K	800 mm	58 lm / W

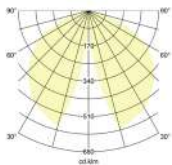


This item is subject to discount group 1.

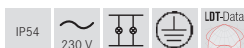


TRIAN LED bollard luminaire, IP54

Illuminants: LED, color rendering: CRI > 80, power: 9 W, Material: Aluminum / Glass, delivery: including converter for connection with 230 V mains voltage, switchable



Item no.	Color	Luminous flux	Color temperature	System efficiency
60007103	Structural graphite	310 lm	3000 K	35 lm / W



This item is subject to discount group 1.



2

Exterior lighting

16

LED floodlights.

Multifunctional high-performance luminaires for outdoor use.

MATRIX LED floodlights

p. 230

NEO LED floodlights

p. 232



MATRIX LED-floodlight.

Flexible use in outdoor areas.

More than 140 lm/W.

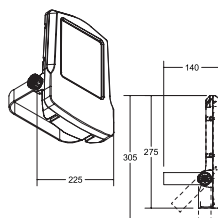


Key features of the products:

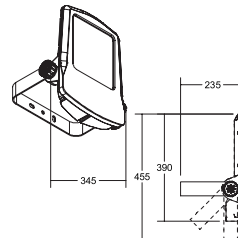
- 5 years Brumberg warranty
(Registration is available on the Brumberg website in the Services section).
- More than 140 lm/W.
- Dust and waterproof with IP66.
- Internal cooling pins for optimal heat dissipation and long service life.
- Extremely temperature resistant between -25° C and +50° C.
- Wall and pole mounting possible (via accessories).
- Powerful with 20 W, 50 W or 100 W.
- Corrosion-resistant die-cast aluminum housing with a housing-side built-in pressure compensation valve.

IP66 IK08

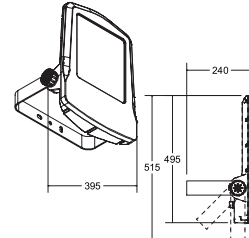
IP66 designates the highest protection class against foreign bodies combined with protection against strong jets of water.



Micro
Item no. 60801... / 60802...



Mini
Item no. 60803... / 60804...



Midi
Item no. 60805... / 60806...

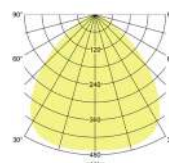
MATRIX LED floodlight, IP66

Illuminants: LED, color rendering: CRI > 80, beam angle: 100°, material: Aluminum / glass, delivery: incl. converter for connection to 230 V mains voltage, switchable, power length: 800 mm, incl. cable connector and with a housing-side built-in pressure compensation valve on the top.

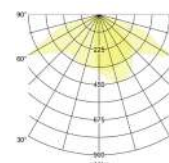
Service life:

L80/B10, 50,000 hrs. (ta: +25 °C)

symmetrical



asymmetrical



Symmetrical light distribution

Item no.	Color	Luminous flux	Power	Color temperature	System efficiency	Weight
60801643	Titanium matte	2,810 lm	20 W	3000 K	140 lm / W	2.6 kg
60801644	Titanium matte	2,890 lm	20 W	4000 K	144 lm / W	2.6 kg
60803643	Titanium matte	7,020 lm	50 W	3000 K	140 lm / W	7.0 kg
60803644	Titanium matte	7,240 lm	50 W	4000 K	145 lm / W	7.0 kg
60805643	Titanium matte	14,050 lm	100 W	3000 K	140 lm / W	9.1 kg
60805644	Titanium matte	14,480 lm	100 W	4000 K	145 lm / W	9.1 kg

Asymmetric light distribution

Item no.	Color	Luminous flux	Power	Color temperature	System efficiency	Weight
60802643	Titanium matte	3,640 lm	20 W	3000 K	182 lm / W	2.6 kg
60802644	Titanium matte	3,835 lm	20 W	4000 K	191 lm / W	2.6 kg
60804643	Titanium matte	8,036 lm	50 W	3000 K	160 lm / W	7.0 kg
60804644	Titanium matte	8,466 lm	50 W	4000 K	169 lm / W	7.0 kg
60806643	Titanium matte	13,380 lm	100 W	3000 K	133 lm / W	9.1 kg
60806644	Titanium matte	14,100 lm	100 W	4000 K	141 lm / W	9.1 kg



Beam angle: 30 x 110°

These items are subject to discount group 2.

Accessories for MATRIX LED floodlight

Item no.	Description
81100640	Extension adapter for 20 W LED floodlights (Micro)
81101640	Extension adapter for 50 W LED floodlights (mini)
81102640	Extension adapter for 100 W LED floodlights (Midi)
81110640	Protection grid for 20 W LED floodlights (Micro)
81111640	Protective grid for 50 W LED floodlights (Mini)
81112640	Protective grid for 100 W LED floodlights (Midi)
81120640	NEW Pole mount for 20 W LED floodlights (Micro)
81121640	NEW Pole mount for 50 W LED floodlights (Mini)
81122640	NEW Pole mount for 100 W LED floodlights (Midi)

These items are subject to discount group 2.



High quality, efficient and
durable LED technology.



IP65
IK08

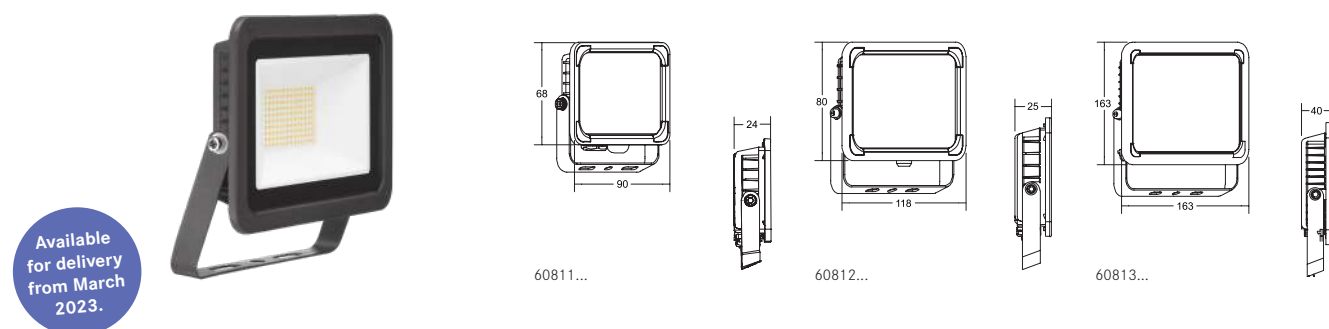
IP65 has complete protection against contact. Dust cannot enter and it is protected against water jets from any direction.

NEO LED-floodlights.

Efficient, functional and reliable.

Key features of the products:

- 5 years Brumberg warranty
(Registration is available on the Brumberg website in the Services section).
- Up to 120 lm/W.
- Dustproof and jet-proof with IP65.
- Extremely temperature resistant between -20 °C and +45 °C.
- Wall and ceiling mounted possible.
- Symmetrical beam angle 120°.
- Different power classes 10 W, 20 W or 50 W.
- Available in 3000 K and 4000 K.
- Corrosion-resistant die-cast aluminum housing.
- High quality, efficient and durable LED technology.
- Slim, flat design for area, object and facade lighting.



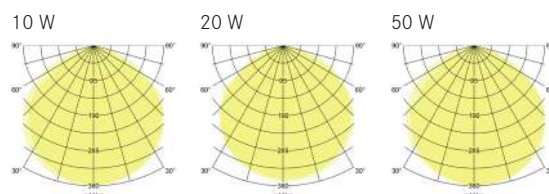
NEO LED-floodlight, IP65

NEW

Illuminants: LED, color rendering: CRI > 80, glare rating: UGR < 25, beam angle: 120 °, Material: Aluminum / glass, scope of delivery: incl. converter for connection with 230 V mains voltage and connection line 1,000 mm

Service life:

L80/B10, 50,000 hrs. (ta: +25 °C)



Item no.	Color	Power	Luminous flux	Color temperature	System efficiency
60811183 NEW	Structural black	10 W	1,100 lm	3000 K	110 lm/W
60811184 NEW	Structural black	10 W	1,100 lm	4000 K	110 lm/W
60812183 NEW	Structural black	20 W	2,400 lm	3000 K	120 lm/W
60812184 NEW	Structural black	20 W	2,400 lm	4000 K	120 lm/W
60813183 NEW	Structural black	50 W	6,000 lm	3000 K	120 lm/W
60813184 NEW	Structural black	50 W	6,000 lm	4000 K	120 lm/W



These items are subject to discount group 2.

Sizes in mm | All specified prices are non-binding recommended retail prices (RRP) in euros excluding VAT.
Errors subject to change. | Orders are subject to our General Terms and Conditions of Sale printed from page 250 onwards.





Frankfurt Airport

Be it for a single room or a large-scale project. 360° Lights. For generations.

Brumberg. Your project partner for lighting solutions.

We listen, we understand, we implement. As your project manager, our role is geared towards this approach. **We develop lighting solutions tailored to the needs of people.**

We offer consultation, sampling, planning, and on-time delivery. **A full spectrum of services, ranging from construction support to commissioning and management.** We aim for brilliant lighting experiences coupled with efficient energy consumption: thanks to technically high-quality, sustainable luminaires, with one goal in mind - ensuring complete user acceptance.

Our collaborative planning approach creates lighting solutions that evolve from the standard - often through the use of customized luminaires, which we develop and manufacture exclusively for projects. **Made in Sundern, Sauerland.** Our family run business continues to flourish with this spirit, always keeping in line with your requirements.

We have had the pleasure of successfully completing numerous projects featuring innovative luminaires.

We have been entrusted with projects in the fields of education/culture, office/communication, hotels/gastronomy, industry/trade, nursing/health, shop/retail, spa/wellness, sports/leisure parks and, last but not least, high-end single-family homes and apartment buildings.

After all, sharing ideas forms the very foundation of a combined victory: the solution.





Frankfurt Airport.

Lighting atmosphere with BIRO Circle.

At the airport, the bid for conversion took place "just in time". This was also the case for the implementation of the new lighting system for an office space at Frankfurt Airport. Brumberg's crew had clear announcements for the "connecting times". Here's a quick start: initial inquiry, two telephone meetings with the specialist planner, preparation and submission of the quotation, provision of two fitters, there you go!

As soon as all DALI driver were included per ring size, the appropriate DALI gateway and the CCT control in the planning, the luminaires could be installed under the ceiling:

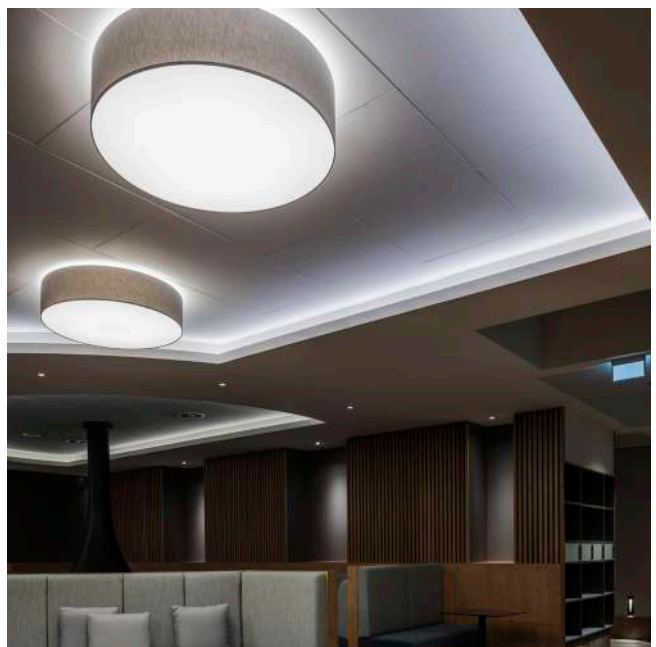
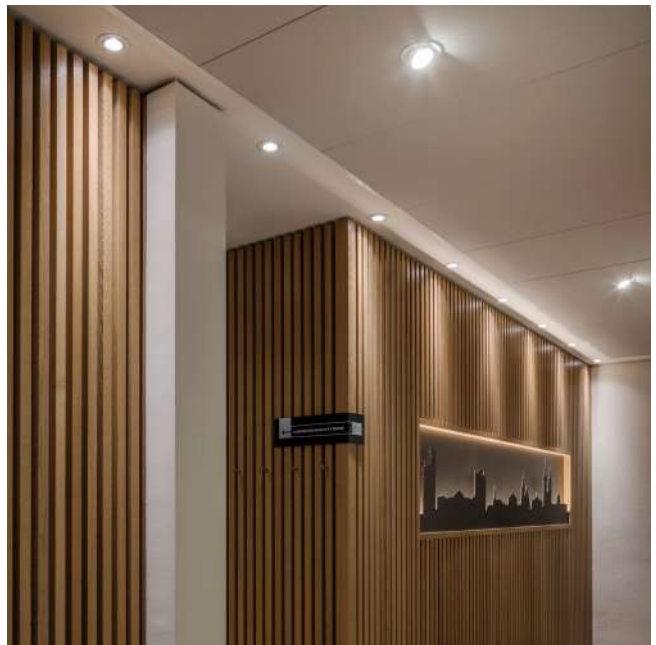
13 ring luminaires with a luminaire diameter of **2,500 mm to 6,000 mm** were mounted at different heights and adapted to the room architecture.

Sauna landscape Eiswiese in Göttingen.

Relaxation in light and ambience.

The Eiswiese bathing paradise is the largest swimming, leisure and recreational pool in Göttingen and southern Lower Saxony. On a total area of 8,400 m², it offers numerous special attractions, e.g. sports and communication pools, whitewater canal, slides, various floor bubblers and a thermal brine hall.

An exclusive highlight is the sauna area, which covers more than 2,800 m²: Five saunas at different temperatures, two steam saunas, a sanarium, a double maa sauna with wood firing set deep into the ground, and the park-like sauna garden provide deep physical and mental relaxation. Here is our motto: "More beautiful, bigger, more modern", the entire inner body of the sauna landscape was extensively renovated in 2020 and the outdoor area was expanded. For the perfect lighting of the beauty treatment, Brumberg was engaged and commissioned with the lighting concept.





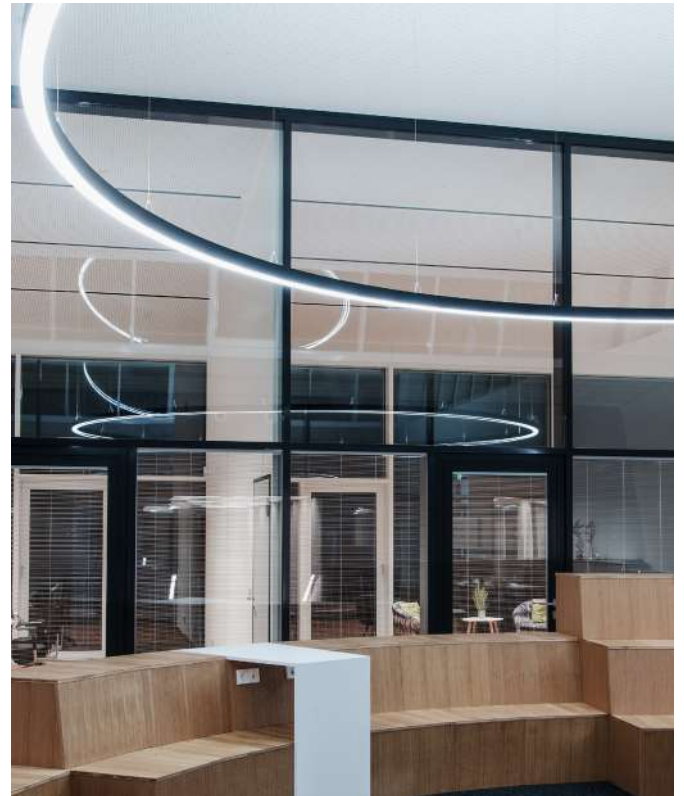
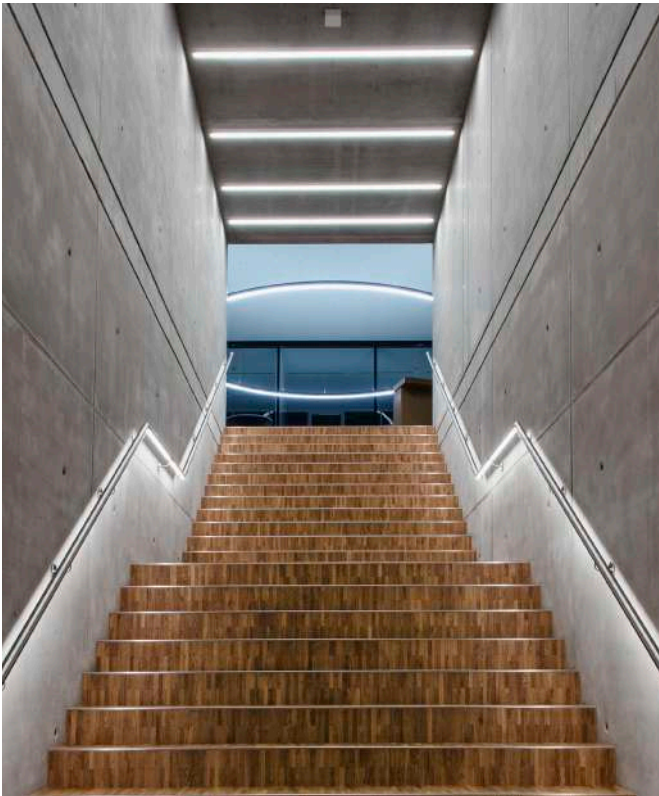


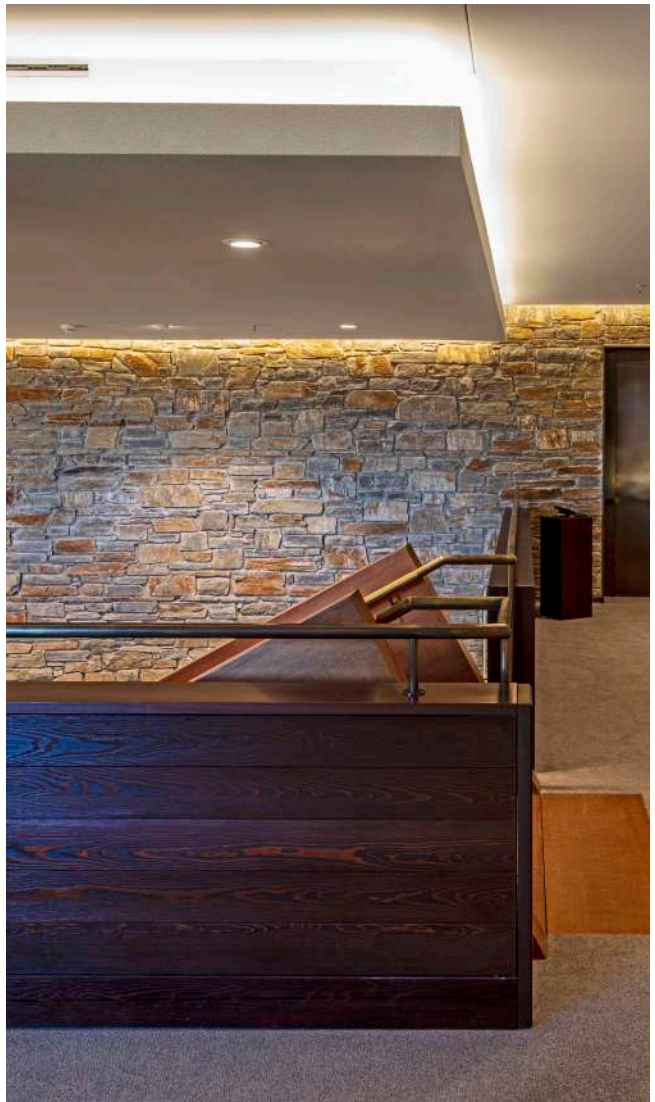
Meeting point, Meditech

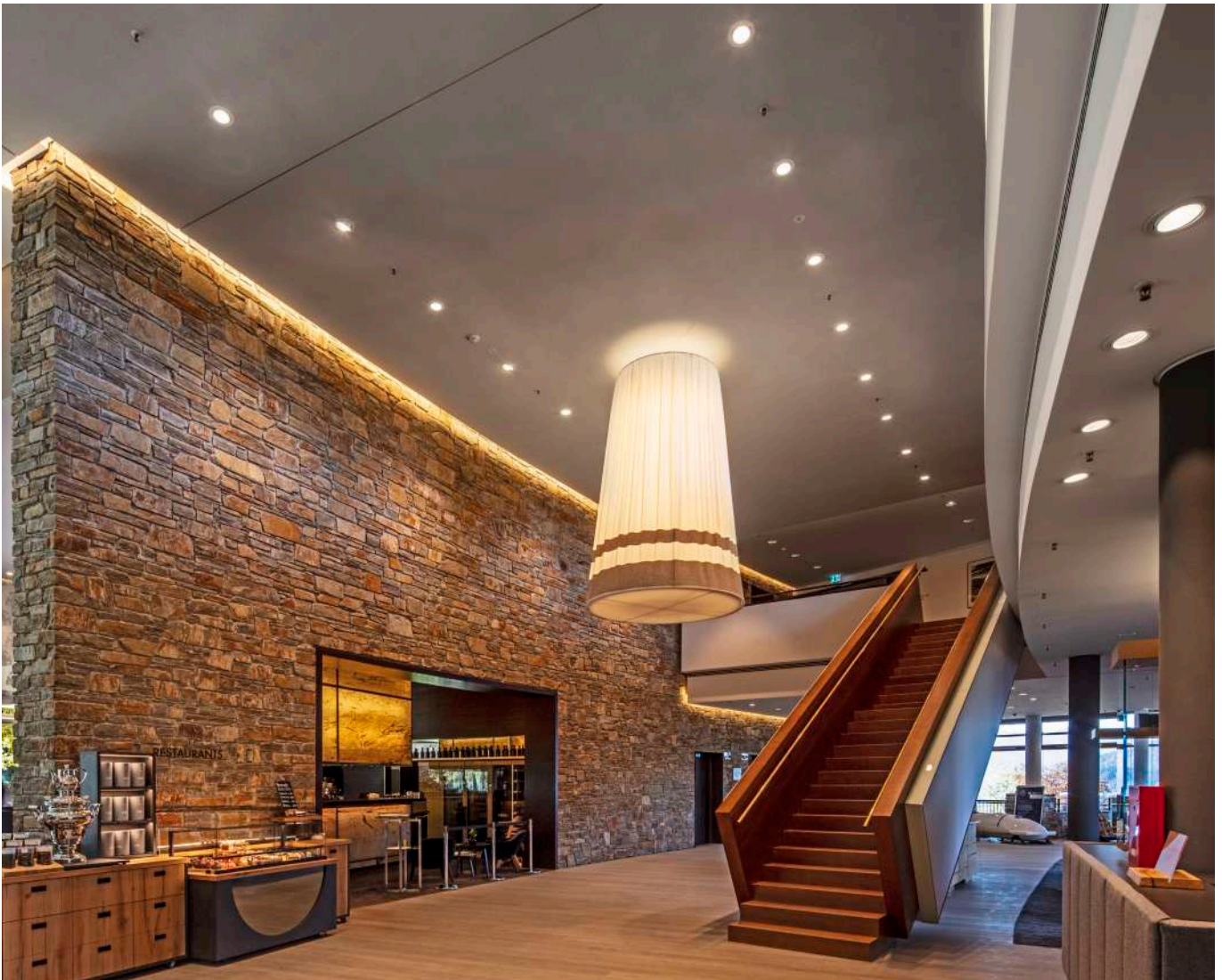
Light - designed for arrival, exchange and presentation.

MediTECH Electronic GmbH develops solutions for the learning support of children, in order to guarantee the optimal consultation and support of the users. Constant new and further developments are planned and implemented in close cooperation with a group of selected cooperation partners from the circles of interdisciplinary partners (doctors, therapists, clinics, pedagogues).

The respective lighting situations are supported by BIRO Circle in a special ø 6-meter format for the respective occasions. Be it in TW direct or RGBW indirect. The different lighting scenarios can be easily changed - so the meeting point becomes an exchange platform for different occasions.







Hotel Kempinski.

Light renovation in the Alps.

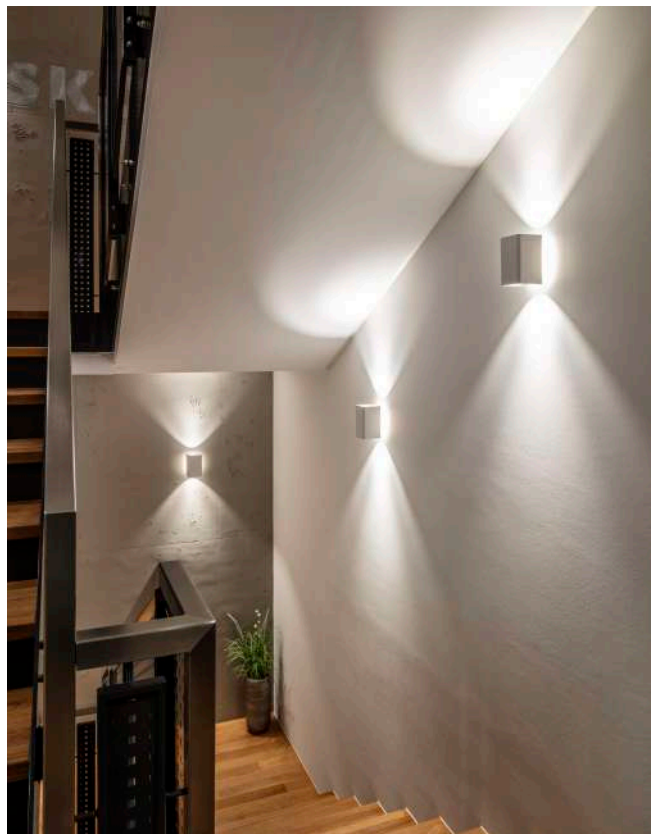
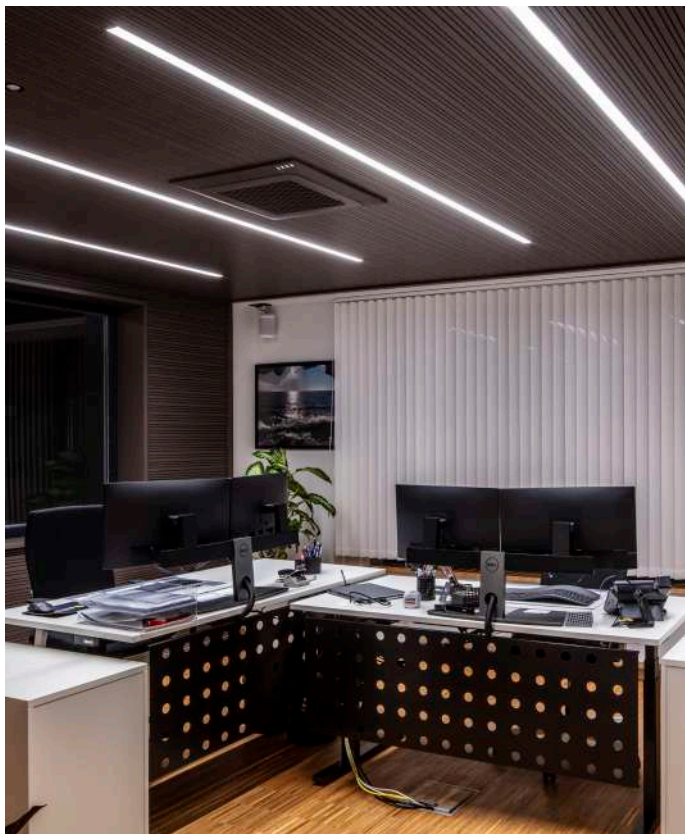
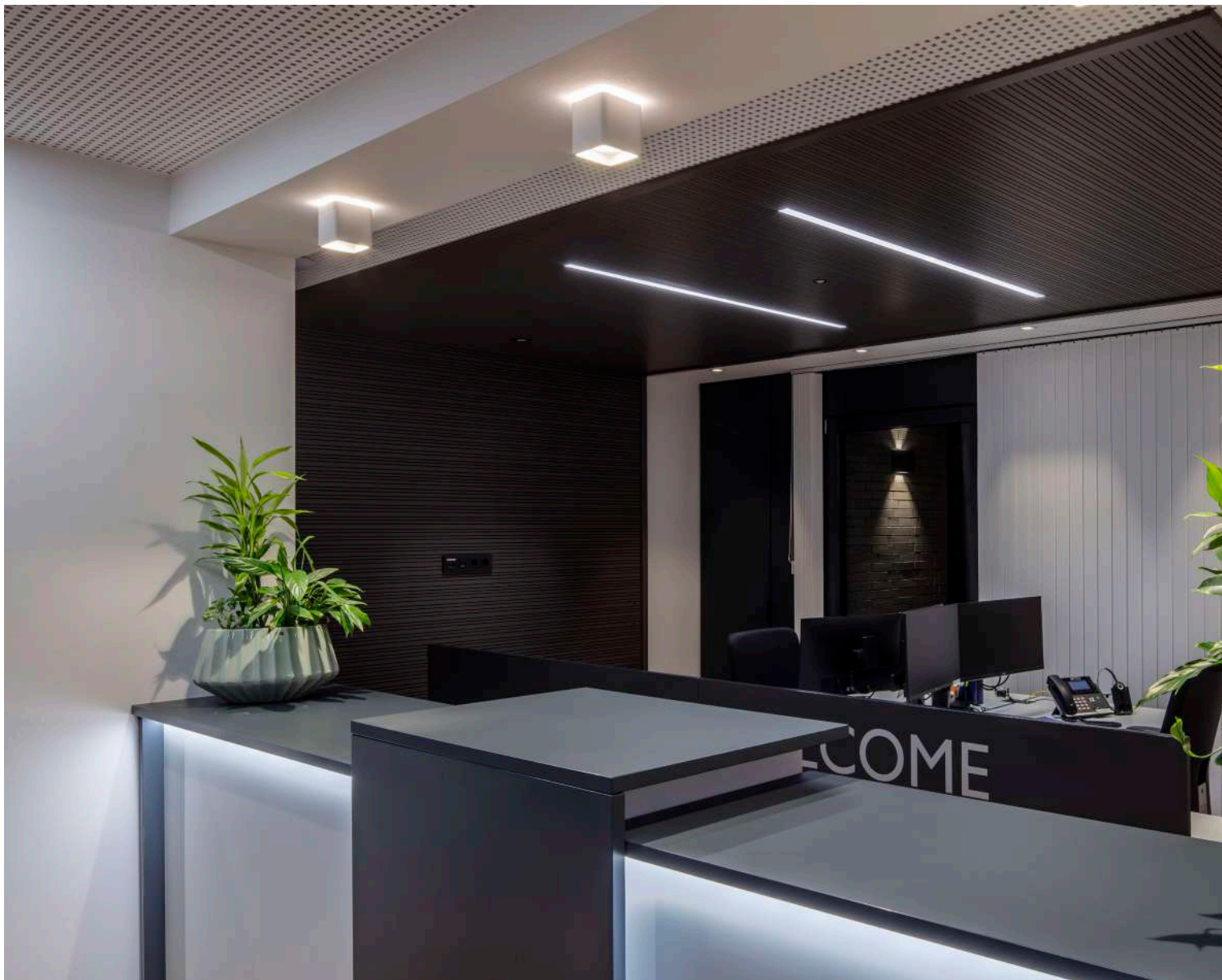
In the midst of the Berchtesgaden Alps, the 5-star luxury Hotel Kempinski has been welcoming its discerning guests with a new lighting design by Brumberg since the end of March 2021. What makes the Kempinski Berchtesgaden so exclusive is certainly its location at an altitude of 1,000 meters. The order to Brumberg, its trading partner DÖRNER and the major installer DEHN INSTATEC: Lighting refurbishment of the lobby, the bar, fireplace and library area, the Gallery and individual outdoor areas.

Overview of the result.

This project shows particularly clearly that at Brumberg, it is the quality of the design result that counts and not the most elaborate use of as many and expensive products as possible. Brumberg Team Leader Sales Support Management Carolin Lucia Jacobs: "It's not the luminaires themselves that are the real highlight here, but what they create in the equipped area. The relatively simple spotlights, which we used in different variations of LED spotlights, create the mood lighting and the warm, luxurious atmosphere."

Rock walls in the evening light.

The best example of the all-around successful concept might be the impressive stone walls that give the hotel its high-alpine character and are now perfectly set in the light scene. In combination with the discreet lighting of the reception and the luminaire arrangement coordinated with the rounded ceiling construction, everything looks as if the morning light and dusk of the beautiful mountain world have found their way into the Kempinski Berchtesgaden - and the adequate melange of 5-star luxury and Bavarian coziness.





ASKOM in Wolfsburg.

Point of Experience of a special kind.

The new company building is being built on approximately 1,000 m² over two floors plus basement. In addition to a modern premium interior design, ASKOM managing director Andreas Schleicher attaches great importance to intelligently networked building technology. To ensure that this can be implemented with the same high quality as the architecture, Smart Living solutions from Brumberg are put to use. Whether meeting or relaxation rooms, technology labs or boarding rooms; the innovative products provide more comfort, security and energy efficiency in all areas. The equipment is not only intended for the employees, but also serves as a reference for potential clients as a source of inspiration.

Test living in the boarding room

A special feature of the new company building is the boarding room for trial living. After the separate entrance area, guests can expect a 30 m² lounge, a 28 m² relaxation room, a 15 m² living area, an 11 m² sleeping area and a 7 m² bathroom.

This offers architects and planners as well as investors, property developers, hoteliers and private builders plenty of space to see for themselves the fascinating possibilities of smart networked building technology live.





Rath GmbH & Co. KG in Haiterbach.

In comes new construction, in comes Rath.

For the construction company Rath GmbH & Co. KG in Haiterbach, it was time for a move. Why not build it yourself and create a place that sits in perfectly with the company? The result is a spacious, light and modern object - especially thanks to the ideal lighting concept from Brumberg.

"In our aging building back in Pfalzgrafenweiler, it got too crowded for us. We needed a new administration facility including workshop and warehouse and located it right next to our ballast plant near Haiterbach," says Managing Director Benjamin Rath. Next to an impressively large warehouse complex, a strikingly modern, brightly lit office building has been built. Flat, cubist and with wide glass fronts, it looks more like a futuristic gallery than the workplace of a construction company. "Transparency was important to us from the very beginning," states Benjamin Rath. "As a construction company, we were keen to candidly demonstrate how a building works." Transparent through the glass façade: the uncovered steel beams, the real wooden floor, an open-plan office bathed in warm light, and a hustle and bustle.



Tourist information in Gaienhofen.

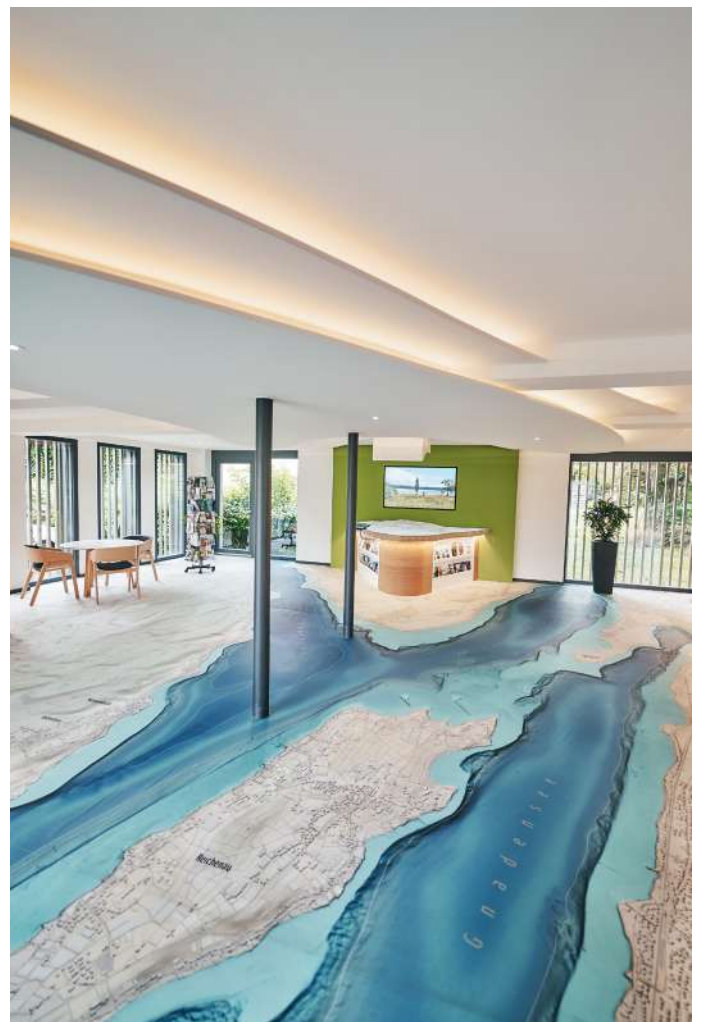
Experience Lake Constance.

The newly opened Gaienhofen Tourist Information is located in the building of the former town hall, which was energetically renovated and provided with a modern wooden facade. This conversion was planned by architect Jörn Thamm, bauraum Konstanz. Here you can find more than a simple piece of tourist information: an experience-oriented multimedia staging of the Lake Constance landscape, based on a concept by Prof. Herbert Moser, company artxmedia.

The project "Tiefenschärfe Bodensee" provided high-resolution surveying data and enabled a realistic representation of the depths of Lake Constance, which are displayed in the blue vestibule in the entrance area as well as in the photo print of the ground. So you basically walk across a detailed map of the lower lake.

Light plays a special role in the interactive exhibition. With the flexible LED-COB-Vision boards in combination with downlights, the room was "softly" staged to reflect the layout of Lake Constance in the exhibition.





General Terms and Conditions of Sale

1. General information - scope of application

1.1 Our Terms and Conditions of Sale shall apply exclusively; we shall not recognize any terms and conditions of the customer that conflict with or deviate from our Terms and Conditions of Sale unless we have expressly agreed to their validity in writing. Our Terms and Conditions of Sale shall also apply if we carry out the delivery to the customer without reservation in the knowledge that the customer's terms and conditions conflict with or deviate from our Terms and Conditions of Sale.

1.2 Our written offer and, if we issue an order confirmation, our written order confirmation shall be decisive for the content and scope of deliveries and services.

1.3 Our Terms and Conditions of Sale shall apply only to entrepreneurs within the meaning of § 310 (1) of the German Civil Code (BGB).

1.4 The following business conditions shall take precedence over any terms and conditions of the customer that deviate in content. The customer's waiver of the validity of any terms and conditions of his own shall also not be eliminated by our silence or our performance. Any deviation from the following terms and conditions requires our written confirmation in individual cases.

1.5 All technical data of our catalogs and other sales documents, lists and drawings as well as weight, dimension and miscellaneous data has been carefully prepared; in case of errors, we reserve the right to make subsequent corrections.

1.6 It is the responsibility of the customer to check whether our product is suitable for the purpose specified by him/her.

1.7 As far as declarations according to these terms and conditions have to be made in writing, this is also complied with by the text form according to § 126 b of the BGB.

2. Offer - offer documents

2.1 If the order is to be qualified as an offer pursuant to § 145 of BGB, we may accept it within four weeks.

2.2 We reserve the property rights and copyrights to illustrations, drawings, calculations and documents; they may not be made accessible to third parties. This shall also apply to such written documents which are designated as "confidential". The customer must obtain our express written consent before passing them on to third parties. Offers shall only be valid in written form. The prices quoted are subject to the proviso that the order data on which the quotation was based remain unchanged.

2.3 We shall only produce initial samples and initial sample test reports upon express written agreement and against payment of a fee based on time and material.

2.4 For the products commissioned to us by the customer on the basis of drawings or samples, the customer shall be obligated to check for any third-party property rights and not to infringe them. If, in the event of non-compliance with this obligation, we are prohibited from manufacturing by a third party invoking an industrial property right belonging to it or if the product cannot be used due to the infringement of the industrial property right, we shall be entitled - without examining the legal situation and to the exclusion of all claims for damages on the part of the customer, irrespective of the legal grounds - to discontinue manufacture and delivery until the facts of the case have been clarified and to demand compensation from the customer, at least in the amount of 15% of the invoice value for the ordered product. The customer shall already now indemnify us against damages and other claims for compensation by third parties, in particular by holders of rights, upon first request. The scope of damages shall also include such costs as we incur in defending ourselves against third party claims.

3. Price - Payment terms

3.1 Unless otherwise stated in the order confirmation, our prices shall apply "ex works", including the packaging normally used by us for our products plus the value added tax applicable on the date of invoicing. Requested special packaging or repackaging or special small packaging will be charged to the customer. The prices apply in each case only to the contractually agreed quantity and design. If the customer requests changes that require more processing than is based on the contract or the usual production process, we reserve the right to make reasonable changes to the prices. We reserve the right if, after conclusion of the contract, our costs increase unforeseeably, in particular due to collective wage agreements, material price increases, in particular raw material price increases or energy cost increases, to adjust our prices by the amount of the cost increase thereby incurred.

3.2 The statutory value added tax is not included in our prices; it will be shown separately in the invoice at the statutory rate applicable on the day of invoicing.

3.3 The deduction of a cash discount shall require a special written agreement.

3.4 Unless otherwise stated in the order confirmation, the net purchase price (without deductions) shall be paid free of charge to the place of payment and shall be due for payment within 10 days of the invoice date. If the customer is in default of payment, we shall be entitled to claim default interest in the amount of 9 percentage points above the statutory base interest rate per annum. If we are able to prove higher damages caused by default, we shall be entitled to claim such damages. However, the customer shall be entitled to prove to us that we have incurred no or less damage as a result of the default in payment.

3.5 The customer shall only be entitled to a right of retention due to counterclaims which have been established, are undisputed or recognized by us or are in a reciprocal relationship (synallagma) to the main claim. The customer shall only be entitled to a right of retention due to counterclaims which have been established, are undisputed, recognized by us or are in a reciprocal relationship (synallagma) to the main claim. In addition, the customer shall be entitled to exercise a right of retention insofar as the customer's counterclaim is based on the same contractual relationship.

3.6 Credit notes shall be issued expressly for the purpose of set-off. A claim for payment does not exist.

3.7 If there are doubts about the solvency of the customer, we reserve the right to demand advance payments or securities. If it becomes known to us that the customer has been seized without success or if we receive indications of the customer's financial collapse, we shall be entitled to withdraw from the contract, setting off the expenses incurred.

4. Delivery time - delivery conditions

4.1 The start of the delivery period stated by us or agreed with us shall be subject to the clarification of all technical questions, documents to be provided by the customer, necessary permits and releases, especially of plans, as well as the compliance with the agreed terms of payment and the fulfillment of other cooperative acts by the customer.

4.2 Compliance with our delivery obligation further presupposes the timely and proper fulfillment of the customer's obligation as well as our proper supply with the raw materials required for the manufacture of the delivery product. The defense of non-performance of the contract remains reserved.

4.3 If non-compliance with delivery deadlines is due to force majeure, e.g. strike, lockout, pandemic etc., the deadlines shall be extended accordingly. Such a reasonable extension of the delivery periods shall also occur if we are not supplied correctly and on time (reservation of correct and timely self-supply).

4.4 If the customer is in default of acceptance or culpably violates other obligations to cooperate, we shall

be entitled to demand compensation for the damage incurred by us in this respect, including any additional expenses. Further claims or rights remain reserved. If the delivery, shipment or provision is postponed at the request of the customer, we may charge the customer a storage fee of 0.05% of the invoice amount for each month or part thereof, but not more than 5% of the invoice amount, 10 days after we have notified the customer that the goods are ready for shipment. Both contracting parties reserve the right to prove higher or lower expenses.

4.5 Insofar as the prerequisites in section 4.4 exist, the risk of accidental loss or accidental deterioration of the object of sale shall pass to the customer at the point in time at which the customer has fallen into acceptance or debtor's default.

4.6 We shall be liable in accordance with the statutory provisions insofar as the underlying purchase contract is a transaction for delivery by a fixed date within the meaning of § 286 (2) No. 4 of the German Civil Code (BGB) or of § 376 of the German Commercial Code (HGB). We shall also be liable in accordance with the statutory provisions if, as a consequence of a delay in delivery for which we are responsible, the customer justifiably asserts that it is not interested in continuing the contract.

4.7 Furthermore, we shall be liable in accordance with the statutory provisions if the delay in delivery is due to an intentional or grossly negligent breach of contract for which we are responsible; fault on the part of our representatives or vicarious agents shall be attributed to us. In the event of force majeure in accordance with Section 4.3, our representatives or vicarious agents shall not be deemed to be at fault. If the delay in delivery is due to a grossly negligent breach of contract for which we are responsible, our liability for damages shall be limited to the foreseeable, typically occurring damage.

4.8 We shall also be liable in accordance with the statutory provisions if the delay in delivery for which we are responsible is due to a culpable breach of a material contractual obligation; in this case, however, our liability for damages shall be limited to the foreseeable, typically occurring damage.

4.9 We shall be entitled to make partial deliveries to a reasonable extent. Deviations with regard to the dimensions, weight, technical design, manufacture and scope of the goods to be delivered are permissible within the customary product-specific tolerances. In addition, changes which serve the technical improvement of our products shall be deemed to have been approved by the customer.

5. Transfer of risk - packaging costs

5.1 Unless otherwise stated in the order confirmation, delivery "ex works" is deemed agreed.

5.2 Separate agreements shall apply to the return of packaging.

5.3 If the customer so desires, we shall cover the delivery by transport insurance; the costs incurred in this respect shall be borne by the customer.

5.4 Within a reasonable period of time prior to delivery of the goods, the customer shall be obligated to name one or more persons who are authorized to accept the goods and the accompanying documents and to sign the delivery documents and accompanying documents by the customer. This shall apply in particular if the goods are to be delivered to a place other than the customer's registered office. If such information is not provided, those persons who have actually taken delivery of the goods shall be deemed to be authorized to take delivery of the goods and to sign the transfer documents (delivery bill and other accompanying documents).

5.5 If no person designated by the customer is present at the specified place on the agreed date or if this person or other persons are not prepared to accept the goods, the customer shall be in default of acceptance with the consequence that the risk shall pass to the customer. Furthermore, the customer shall bear the additional costs arising from the fact that a new delivery is made.

5.6 The customer may not refuse to accept deliveries on account of insignificant defects.

6. Liability for defects

6.1 Claims for defects of the customer shall be subject to the condition that the customer has duly complied with their obligations to examine the supplies and to give notice of defects pursuant to § 377 of HGB.

6.2 Insofar as the purchased item is defective, we shall be entitled, at our discretion, to subsequent performance in the form of rectification of the defect or delivery of a new item free of defects. In the event of rectification of defects, we shall be obliged to bear all expenses necessary for the purpose of subsequent performance, in particular transport, travel, labor and material costs as well as the expenses for removing the defective item and installing or mounting the rectified or delivered non-defective item, unless these are increased by the fact that the purchased item was transported to a place other than the place of performance, unless the transport corresponds to its intended use. We may refuse subsequent performance if the expenses for remedying the defect are likely to exceed the purchase price.

6.3 We shall bear the installation and removal costs only if the item has been installed in another item or attached to another item in accordance with its type and intended use and we are responsible for the defect which is the cause for the assertion of the claim for subsequent performance.

6.4 If the subsequent performance fails, the customer shall be entitled, at his/her discretion, to demand withdrawal from the contract or a reduction in the purchase price.

6.5 We shall be liable in accordance with the statutory provisions if the customer asserts claims for damages based on intent or gross negligence, including intent or gross negligence on the part of our representatives or vicarious agents. Insofar as we are not accused of intentional breach of contract, the liability for damages shall be limited to the foreseeable, typically occurring damage.

6.6 We shall be liable in accordance with the statutory provisions insofar as we culpably breach a material contractual obligation; in this case, too, however, liability for damages shall be limited to the foreseeable, typically occurring damage. A material contractual obligation exists if the breach of duty relates to an obligation that the customer has relied on and was entitled to rely on.

6.7 Liability for culpable injury to life, limb or health shall remain unaffected; this shall also apply to mandatory liability under the Product Liability Act.

6.8 Unless otherwise stipulated above, liability is excluded.

6.9 The limitation period for claims for defects shall be 12 months, calculated from the transfer of risk.

7. Total liability

7.1 Any further liability for damages than provided for in clause 6 and clause 4 shall be excluded – irrespective of the legal nature of the asserted claim. This applies in particular to claims for damages arising from faults at the conclusion of a contract, from other breaches of duty or from tortious claims for compensation for property damage pursuant to § 823 BGB.

7.2 An exclusion period of 18 months shall apply to the limitation of all claims which are not subject to the limitation period due to a defect in the item. It shall commence as of knowledge of the damage and the person causing the damage.

7.3 The limitation according to clause 7.1 shall also apply insofar as the Customer demands compensation for useless expenses instead of a claim for damages in lieu of performance.

7.4 Insofar as our liability for damages is excluded or limited, this shall also apply with regard to the personal liability for damages of our employees, representatives and vicarious agents.

8. Retention of title

8.1 We retain title to the purchased goods until receipt of all payments arising from the business relationship with the customer. If the customer breaches his/her contractual obligations or defaults on payment, we may withdraw from the contract if he/she fails to comply with his/her obligations after setting a reasonable deadline or if we cannot reasonably be expected to adhere to the contract even without a reminder. We can also declare the withdrawal by taking back the object of sale. After taking back the object of sale, we shall be entitled to use it at our discretion; the proceeds from such usage shall be credited against the customer's liabilities – less reasonable usage costs.

8.2 Until the final transfer of ownership, the customer shall be obligated to treat the object of purchase with care; in particular, the customer shall be obliged to sufficiently insure it at their own expense against damage by fire, water and theft at replacement value. If maintenance and inspection work is required, the customer must carry this out in good time at his/her expense.

8.3 In the event of seizures or other interventions by third parties, the customer shall notify us in writing without delay so that we can bring an action in accordance with § 771 of the German Code of Civil Procedure (ZPO). Insofar as the third party is not in a position to reimburse us for the court and out-of-court costs of a lawsuit in accordance with § 771 of the ZPO, the customer shall be liable for the loss incurred by us.

8.4 The customer shall be entitled to resell the purchased goods in the ordinary course of business; however, he/she hereby assigns to us all claims in the amount of the final invoice amount (including VAT) of our claim accruing to him/her from the resale against his/her customers or third parties, irrespective of whether the purchased goods have been resold without or after processing. The customer shall remain authorized to collect this claim even after the assignment. Our authority to collect the claim ourselves shall remain unaffected by this. However, we undertake not to collect the claim as long as the customer meets its payment obligations from the proceeds received, is not in default of payment and, in particular, has not filed for insolvency proceedings or suspended payments. If this is the case, however, we may demand that the customer inform us of the assigned claims and their debtors, provide all information required for collection, hand over the relevant documents and inform the debtors (third parties) of the assignment. The claim assigned by us in advance also relates to the recognized balance, as in the case of insolvency of the customer to the then existing causal balance.

8.5 The processing or transformation of the object of sale by the customer shall always be carried out for us. If the object of sale is processed with other objects not belonging to us, we shall acquire co-ownership of the new object in the ratio of the value of the object of sale (final invoice amount, including VAT) to the other processed objects at the time of processing. In all other respects, the same shall apply to the item created by processing as to the purchased item delivered under reservation of title.

8.6 If the object of sale is inseparably mixed with other objects not belonging to us, we shall acquire co-ownership of the new object in the ratio of the value of the object of sale (final invoice amount, including value added tax) to the other mixed objects at the time of mixing. If the mixing takes place in such a way that the customer's item is to be regarded as the main item, it shall be deemed to be agreed that the customer transfers co-ownership to us on a pro rata basis. The customer shall hold the sole ownership or co-ownership thus created in safe custody for us.

8.7 The customer shall also assign to us the claims to secure our claims against them which accrue against a third party through the connection of the object of sale with a property.

8.8 We undertake to release the securities to which we are entitled at the customer's request to the extent that

the realizable value of our securities exceeds the claims to be secured by more than 10%; the selection of the securities to be released shall be incumbent on us.

9. Place of jurisdiction - place of power - severability clause

9.1 If the customer is a merchant, the place of jurisdiction for all disputes arising shall be Sundern (Sauerland), to the exclusion of other places of jurisdiction; however, we shall also be entitled to sue the customer at their general place of jurisdiction.

9.2 The law of the Federal Republic of Germany shall apply; the UN Convention on Contracts for the International Sale of Goods shall not apply.

9.3 Unless otherwise stated in the order confirmation, the place of performance for all services and counter-services, including payments, shall be our headquarters in Sundern (Sauerland).

9.4 These General Terms and Conditions of Sale shall remain valid even if individual clauses prove to be invalid. The invalid clause shall be supplemented or reinterpreted by the parties in such a way that the economic purpose intended by the invalid provision is achieved as far as possible. The same procedure shall be followed if a gap requiring supplementation arises during the power of the contractual relationship. If the invalidity is based on a power or time provision, it shall be replaced by the legally permissible provision. If any provision of these General Terms and Conditions of Sale is or becomes invalid with regard to mandatory foreign law, the customer shall, upon request, agree with us such contractual supplements and make such declarations to third parties or authorities as will ensure the validity of the provision concerned and, if this is not possible, its economic content also under the foreign law.

9.5 The German version of the General Terms and Conditions of Sale shall be the authoritative version. It shall take precedence over the English translation in the case of translations and shall be structured in accordance with German case law.

Status: June 2021



Item no. (separate) or Item no. (8-digit)

1963.07

13 368 07 3

Item group

LED color

Surface color code

1	RGB	
2	RGBW	
3	Warm white	
4	Neutral white	
5	Cold white	
6	Red	
7	Green	
8	Blue	
9	Amber	

1 0	LED wall-mounted luminaires	3 9	LED set including dimmable converter
1 2	LED ceiling lights	4 0	LED set including dimmable round converter
1 3	LED ceiling lights	4 3	Loudspeaker
1 4	LED ground recessed luminaires	4 8	Fiber technology
1 7	LED operating device / controllers	5 3	LED profiles
1 8	LED color change	5 8	Hotel/catering
1 9	LED flex boards / printed circuit boards	6 0	Outdoor
2 0	Recessed ceiling luminaires: Solid aluminum	7 5	Flexboard units Qualityflex Select
2 4	Recessed ceiling luminaires Zamak (die-cast)	7 6	Flexboard units Qualityflex Select
2 6	Low-voltage recessed ceiling spotlight	7 7	Office
3 6	Luminaires with mains-voltage bracket for retrofit	8 1	Accessories
3 8	LED set including converter		

Caution: The product with color temperature red, green, blue or amber is a special one. This product with these light temperatures is used for colorful illumination. The spectral distribution of the light is used to change the appearance of illuminated scenes or illuminated objects in addition to making them visible. The product is not intended for use in other applications. The special product is not suitable for room lighting in households.

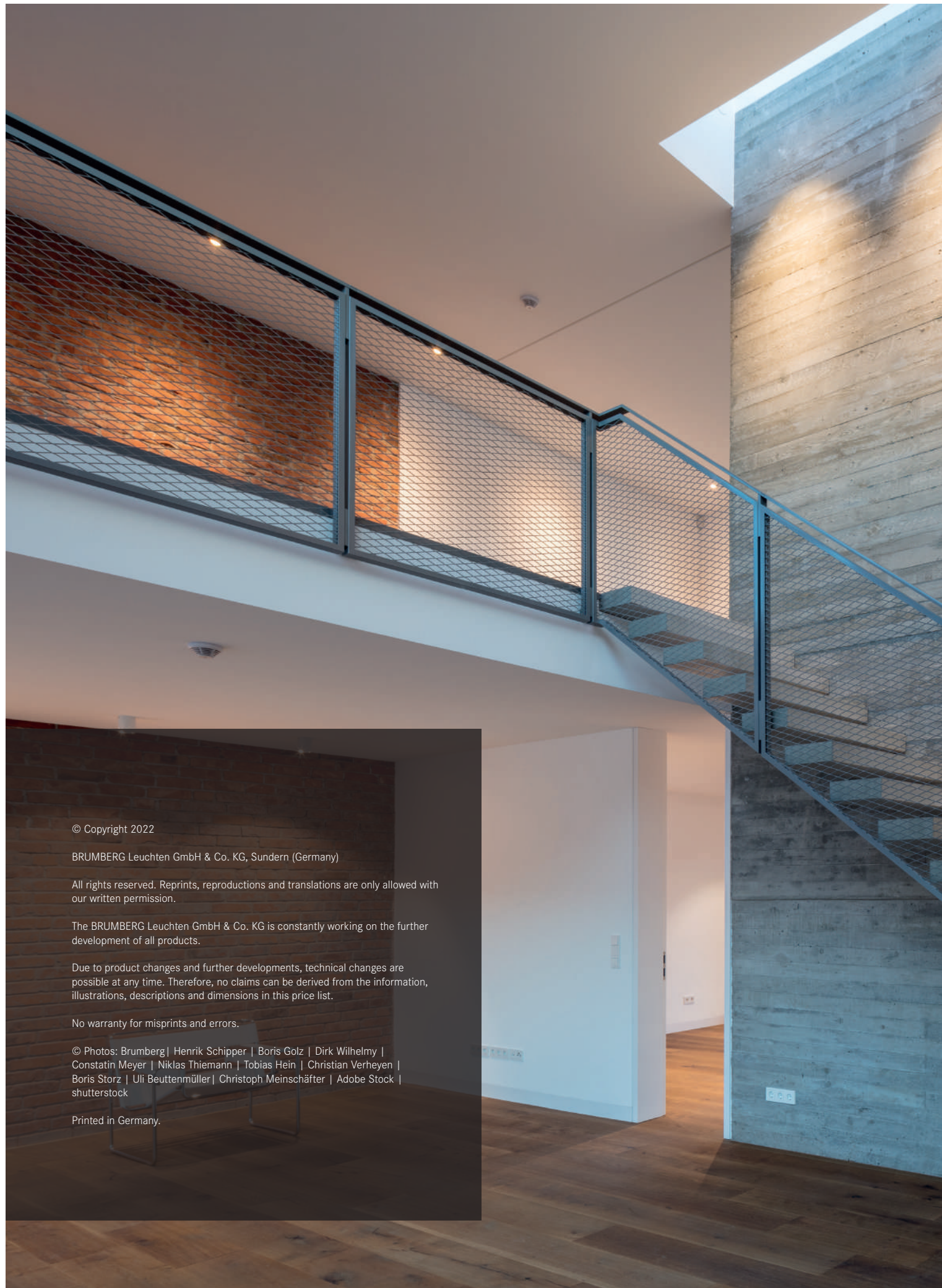
Protection classes

IP X0	Not protected against water penetration
IP X1	Protected against vertically falling dripping water
IP X2	Protected against dripping water falling at an angle (15° from vertical)
IP X3	Protected against water spray (up to 60° from vertical)
IP X4	Protected against water spray
IP X5	Protected against water jets
IP X6	Protected against water penetration during temporary flooding
IP X7	Protected against water penetration during immersion
IP X8	Protected against water penetration for an indefinite period of time

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Pictogram

	Connected in parallel (constant voltage)		Luminaires for installation in furniture made of materials with unknown fire behavior		Protection class, for explanation see to the bottom left
	Connection is made as a series connection (constant current)		Not suitable for installation in device/mounting boxes		The item is partly made of V4A stainless steel and appropriate for use near the coast.
	Luminaire operating current corresponds to the specified mA value (constant current)		Rotation angle of different directions in °		Moisture impregnated membrane
	Luminaire operating voltage 12 V direct current (DC)		Cardanic rotation angle in °		VDE certification
	Luminaire operating voltage 24 V direct voltage (DC)		Swivel angle in °		ENEC - Certification
	Luminaire operating voltage 230 V alternating voltage (AC)		Protection against mechanical shock / mechanical stress		Load capacity in kg
	Luminaire installation depth in mm - The specified installation depth is the mechanical installation depth (pure luminaire dimension)! Please refer to the installation instructions for the actual installation depth.		Illuminant mounting WITHOUT visible clip		The item should not be covered with thermal insulation material
	Round ceiling (Ø) or square ceiling cut-out in mm		Specification of the usable bracket for the item. Caution: LV luminaires are generally supplied WITHOUT bracket. Please order if required!		Not suitable for use with cold-light mirror lamps larger than 35 W
	Protection class I: with protective earth (PE)		Dimmable via phase control and/or sectional dimmer		The item is equipped with our Plug&Play connector systems for easy wiring. Incorrect wiring is no longer possible.
	Protection class II: with protective insulation (e.g. plastic housing or reinforced or double insulation)		Dimmable via 1-10 V interface		Maximum luminous flux in lumen. The exact values are available on request. Measurement according to DIN EN 13032: this standard regulates, among other things, methods of measurement (e.g. by goniophotometer) and the presentation of photometric data (light distribution curve) for lights and lamps.
	Protection class III: Protective extra-low voltage: Voltages <= 50 V AC; <= 120 V DC		Dimmable via DALI-BUS		You can operate this item using Bluetooth.
	Ambient temperature (LED flex boards)		Dimmable via DALI-BUS 2		You can download the light distribution curves for these items from www.brumberg.com .
	Nominal operating duration at BLF 100% (rescue sign luminaires)		Luminaires are also compatible with all other MR16.		Short pitch: Distance from LED chip center to LED chip center (LED flex boards)
	Rated operating time with flashing light field is 40% Rescue sign luminaires		Number of LEDs per meter (LED flex boards)		Solder the connection line (LED flex boards)
	D marking. Luminaires for fire hazardous locations. Temperature of horizontal surfaces in normal operation maximum 90° C. Glass surfaces maximum 150° C.		Dimmable (LED flex boards)		Detection distance in m Rescue sign luminaires
	End-user replaceable - LED light source		LED light source replaceable by qualified person.		Non-replaceable light source
	End-user replaceable light source		Light source replaceable by qualified person.		



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5 years light warranty

The BRUMBERG promise of quality.

5-year light warranty

Brumberg luminaires meet the highest standards of material and workmanship.

We guarantee this with the Brumberg quality promise. The light warranty is an upgrade of the legal 2-year warranty period.

The unlimited product confidence in our luminaire systems and control gear forms the basis for the light warranty. Whenever you buy a Brumberg product, we guarantee the flawless quality and function of Brumberg products for a period of 5 years within the scope of the warranty conditions.

The light warranty is completely free of charge and applies to our specialist partners in the trade.

The 5-year warranty is valid only after registration on the website.

<https://www.brumberg.com/en/brumberg-warranty/>



BRUMBERG

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