



led light profession



Lighting Solutions 2021/2022

A futuristic spaceship is shown flying through a vibrant, multi-colored nebula in space. The nebula features swirling patterns of purple, blue, and red, with a bright yellow and orange light source on the left side. The spaceship is positioned in the center-left of the frame, moving towards the right. The overall scene is set against a dark, star-filled background.

The lighting industry, endless expanses

The year is 2021

For over a decade, we have been traveling the universe to achieve excellence and innovation in LED lighting. In the process we use our passion for research and development of advanced LED lighting technology. In the endless expanses of the lighting industry, the name lichtline stands for expertise, know-how, sustainable and high-quality lighting solutions for the future of industrial applications.

Take a look at our Galaxy.

Produkt highlights

New aboard

In our **lichtline** galaxy, we are constantly expanding our range according to the requirements of our customers. Here you will find a first glimpse of our novelties that will meet your everyday challenges. For galactic queries, please contact our **lichtline** team on page 189.



IndustryLUX
**FARO X3
MOTION**
page 50



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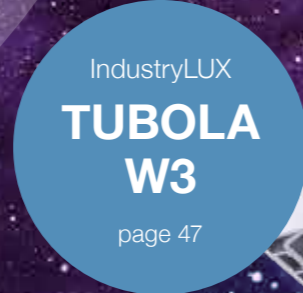
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**RELIGHT
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**TUBOLA
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NeaLUX
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Logbook entry

Dear customers,

full speed ahead we write the year 2021 and present you in our current catalog new products and of course our best sellers.

My 35-strong crew and I are moving the depths of the light galaxy for you, to develop, research and distribute outstanding products.

Advance with us the galaxy of light, many light years ahead of the competition.



Maik Weber

Captain Maik Weber
CEO lichtline GmbH

At a glance

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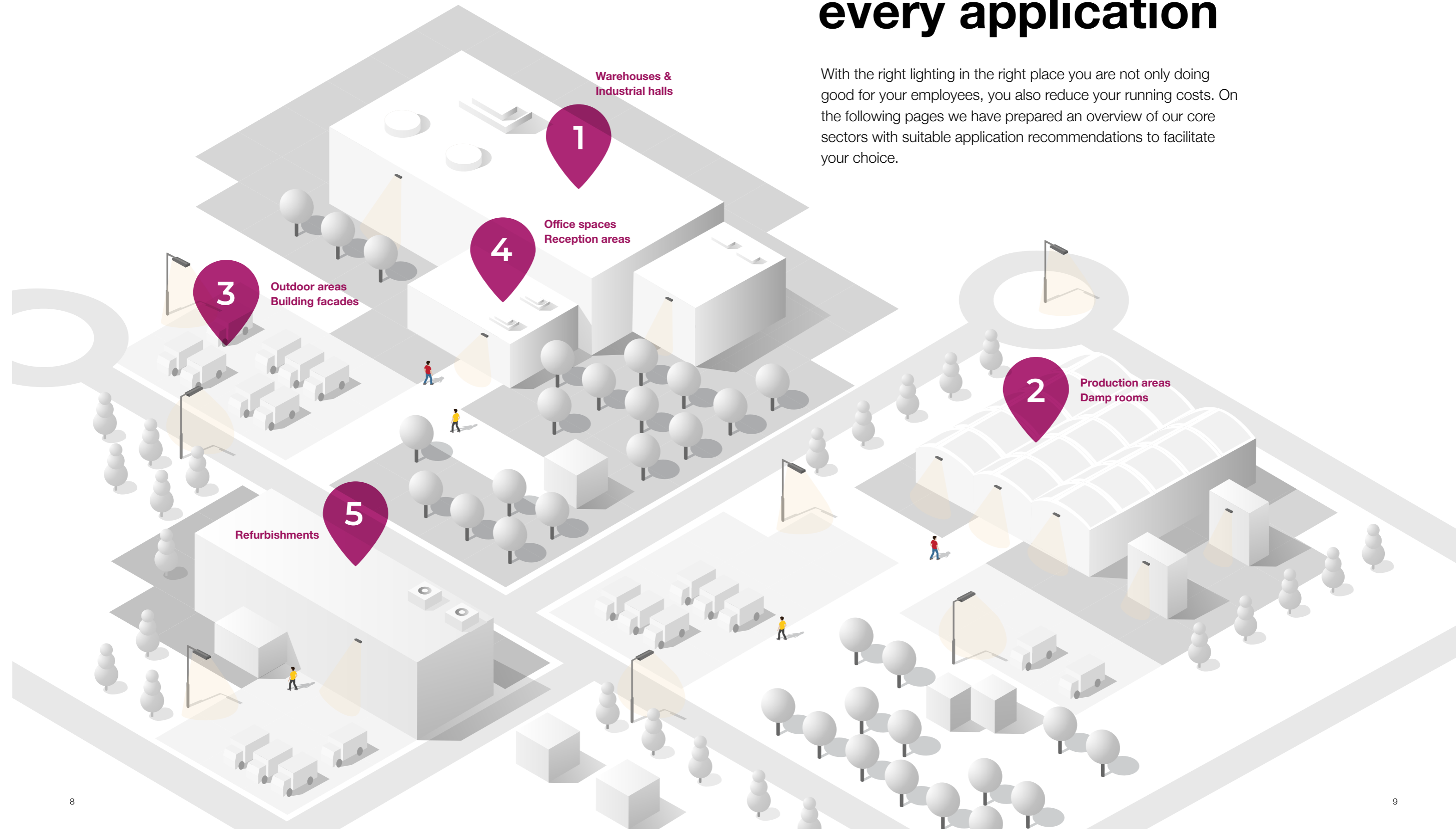
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Product Recommendation

The right solution for every application

With the right lighting in the right place you are not only doing good for your employees, you also reduce your running costs. On the following pages we have prepared an overview of our core sectors with suitable application recommendations to facilitate your choice.



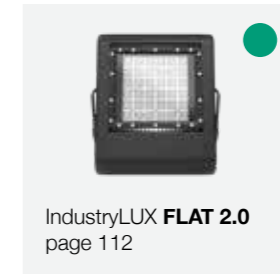
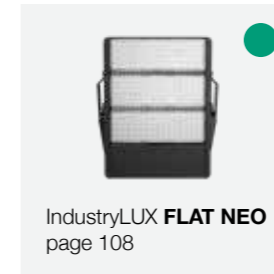
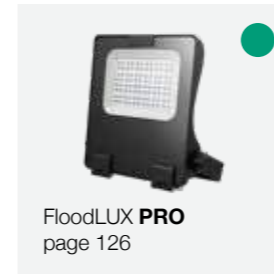
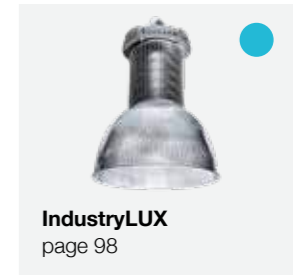
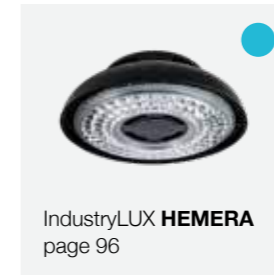
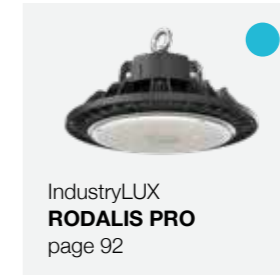
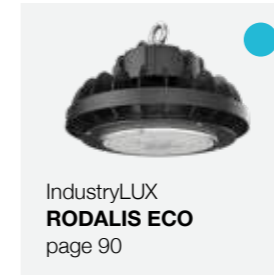
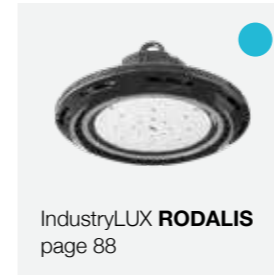
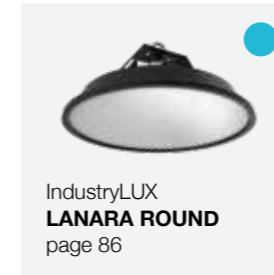
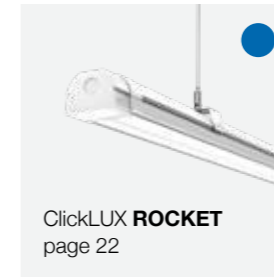
Application area 1

Warehouses & Industrial halls



Whether high hall ceilings (from 3 - 30 m high), large areas, narrow aisles or long rows of shelves - the optimal illumination of work surfaces is inevitable and fundamental for excellent working conditions.

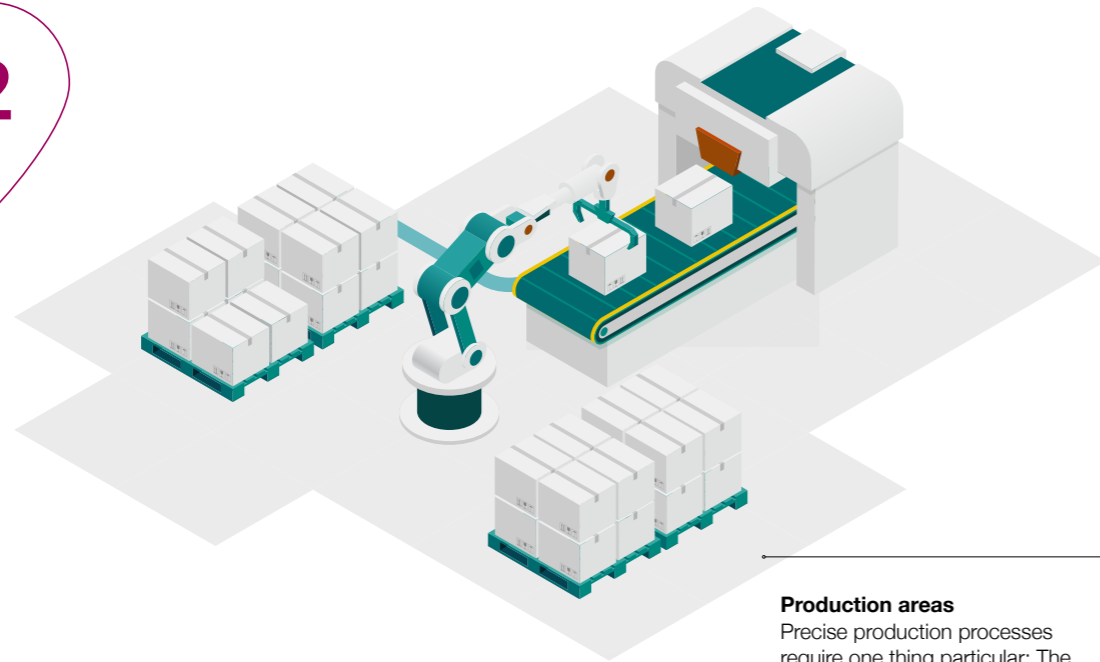
Our product recommendations



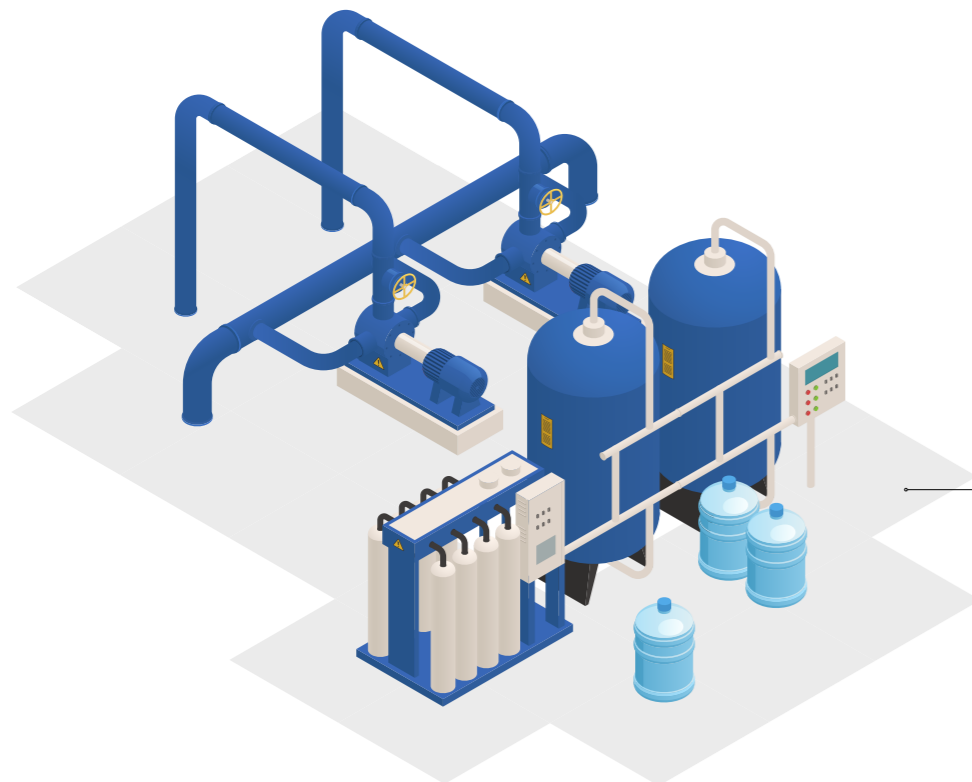
Application area 2

Production areas Damp rooms

2

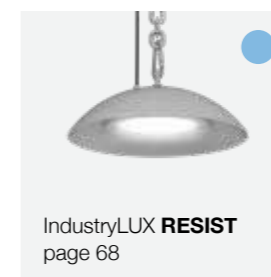
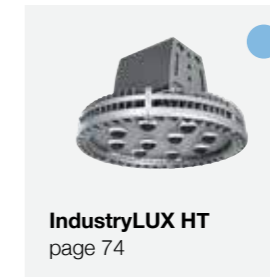
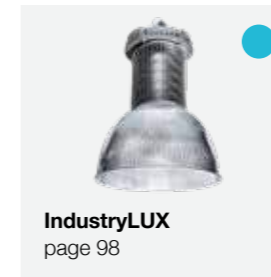
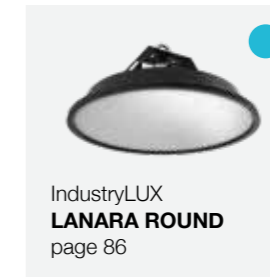
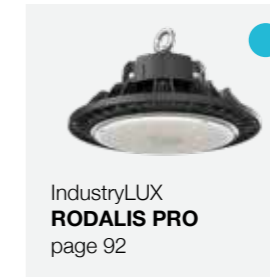
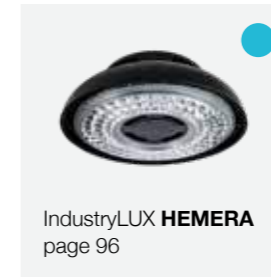
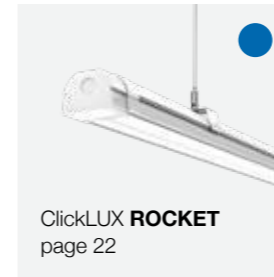


Production areas
Precise production processes require one thing particular: The best lighting quality for optimal visual conditions. Our lighting solutions guarantee the best possible working environment, whether for automated processes or detail-oriented craftsmanship.



Damp rooms
No matter whether moisture, dust, vibrations, cold or temperature fluctuations - our particularly resistant lighting solutions defy nearly every circumstance.

Our product recommendations

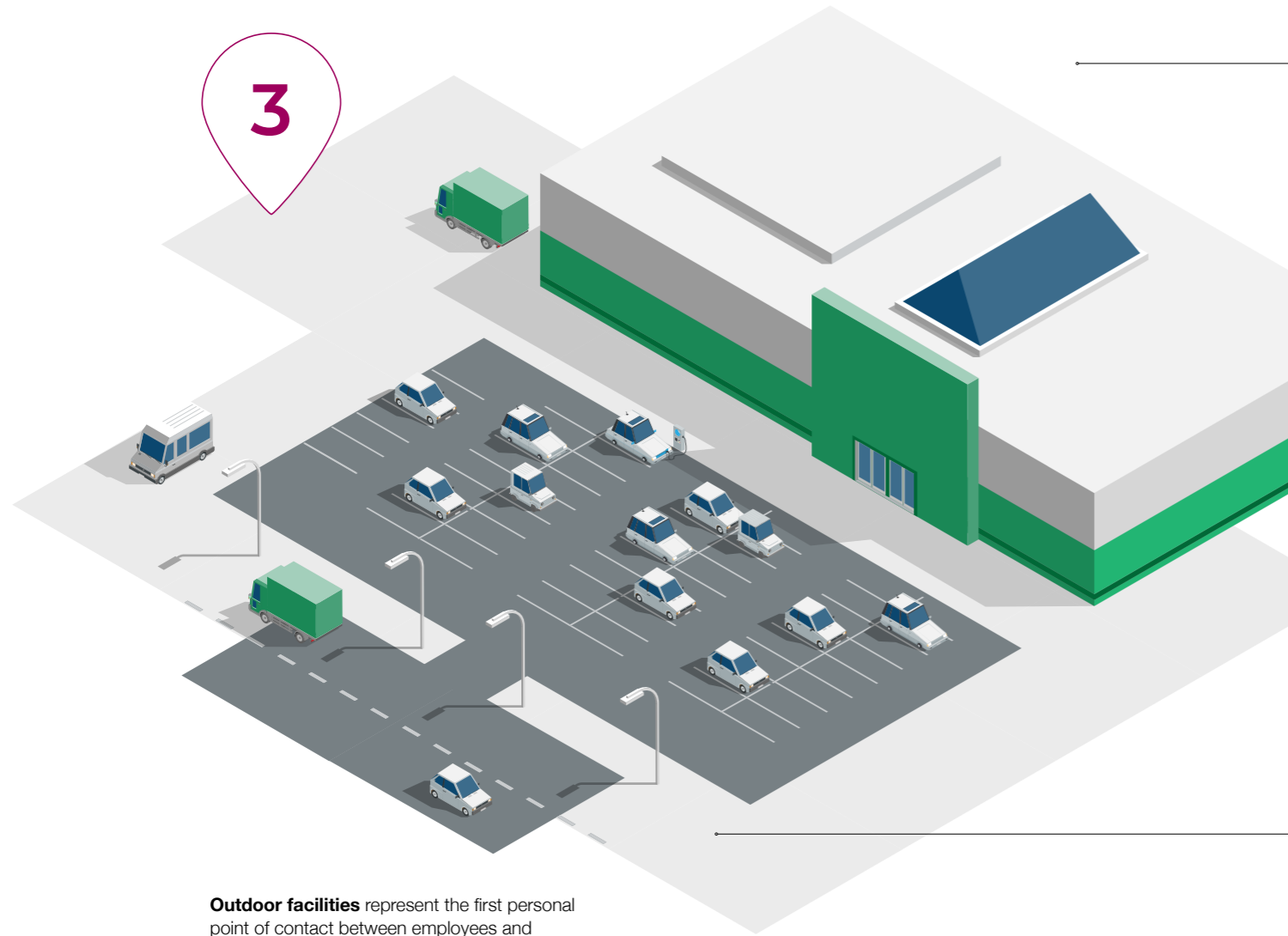


Application area 3

Outdoor areas Building facades


From staging the **building facade** and architecture to illuminating the guidance system as orientation for visitors and employees - the purposes of our outdoor luminaires are versatile.

3



Outdoor facilities represent the first personal point of contact between employees and customers with a company. With the robust and reliable **lichtline** outdoor luminaires, these areas can be designed safely and ensure maximum orientation on the company premises.


Our product recommendations




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page 112



IndustryLUX **FLAT NEO**
page 108




FloodLUX **PRO**
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FloodLUX **COMPACT**
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IndustryLUX **FARO X3**
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IndustryLUX **TUBOLA**
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For the protected
Outdoor area



RoadLUX **PRO**
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IndustryLUX **FLAT NEO**
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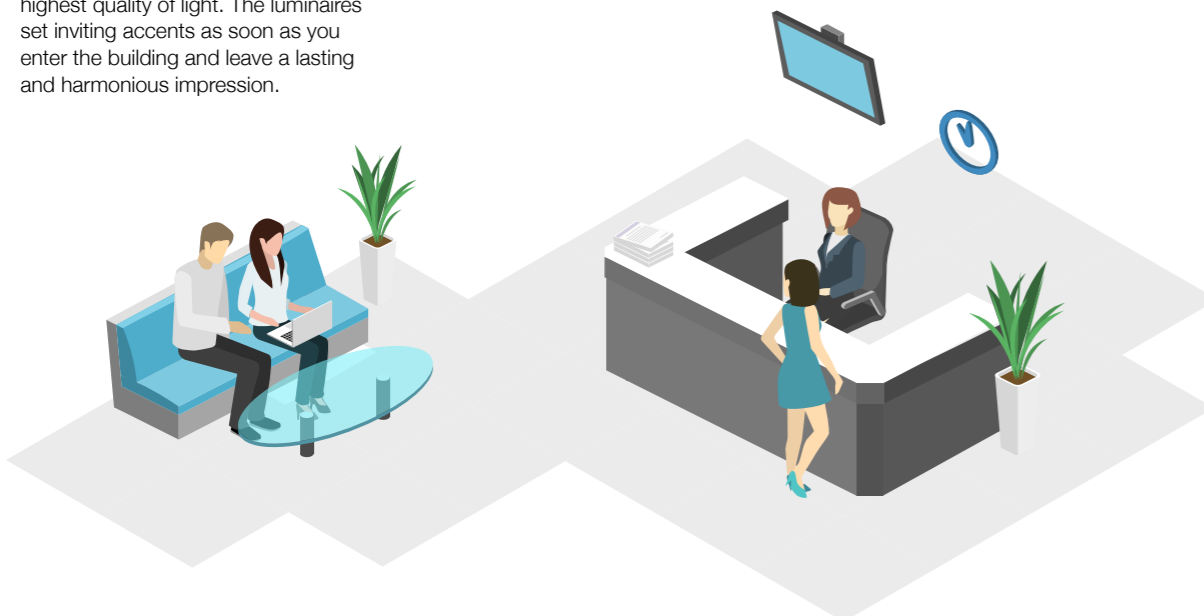
Application area 4

Office spaces Reception areas














Sufficient lighting of **office spaces** is essential for concentrated and fatigue-free work under daylight conditions at the monitor and at all other office surfaces. Our individually applicable lighting solutions guarantee employees a vital working environment for maximum productivity.

In our lighting solutions for **reception areas** elegant design meets the highest quality of light. The luminaires set inviting accents as soon as you enter the building and leave a lasting and harmonious impression.

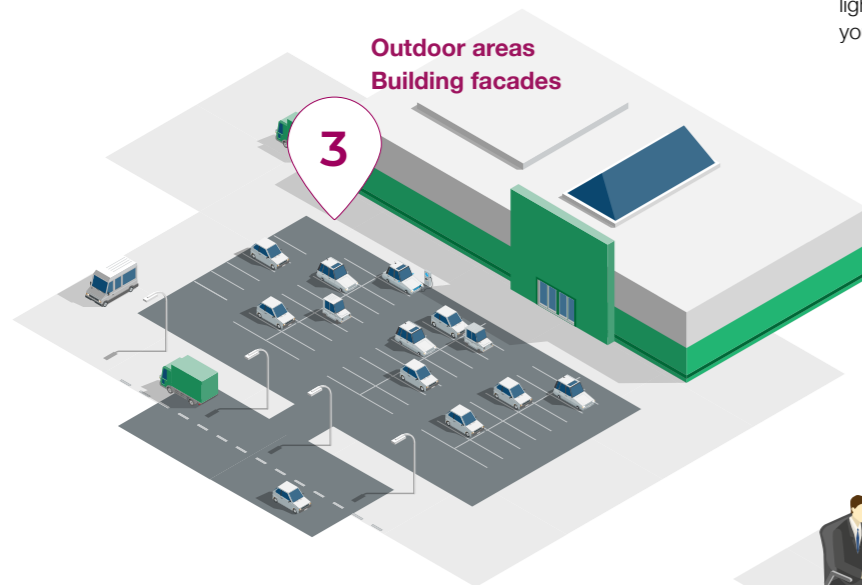
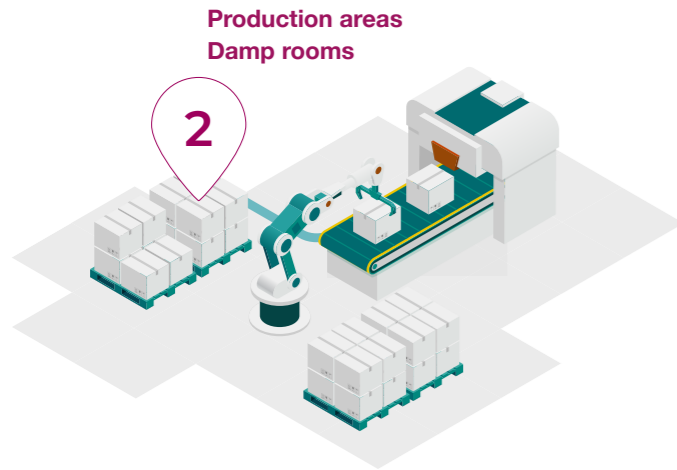


Our product recommendations

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Application area 5

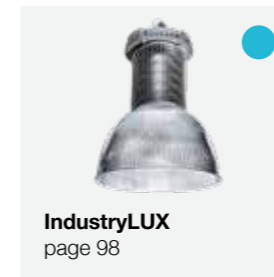
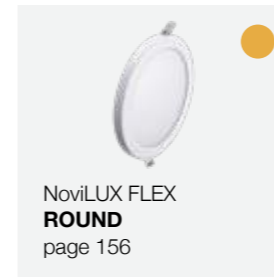
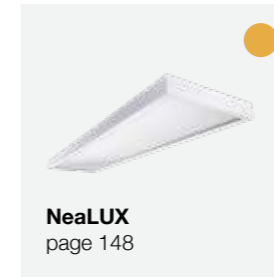
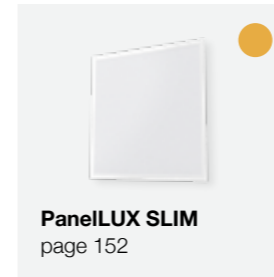
Refurbishment

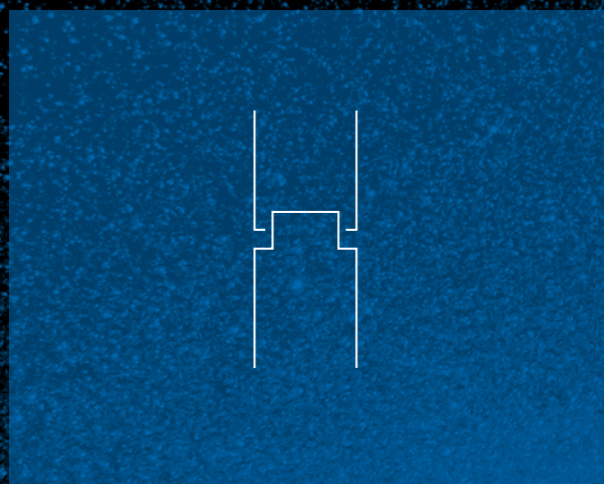


Instead of relying on outdated fluorescent tubes and HQL lamps for lighting switching to LED is the easiest way to do something for the environment in times of climate change.

You do not save only CO2, but also cash thanks to the significantly reduced electricity costs and receive a modern and durable lighting solution for **all application areas** of your company.

Our product recommendations





Trunking systems

Whether for high bay warehouses or consecutive illumination - flexibility and ease of assembly are essential for trunking systems. Our trunking systems are also suitable for high ceilings where low-loss and aligned illumination is important. Because of the well thought-out design, the luminaires impress with future-proof control, high luminous efficacy and energy efficiency as well as fast installation, which saves the customer time and money. Regardless of whether it is a new installation or a refurbishment project.

ClickLUX ROCKET	22
ClickLUX RELIGHT 2.0 SL	28
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High performance LED trunking system

ClickLUX ROCKET

5 Years
Guarantee



ROCKET EM



Areas of application
Workshops
Warehouses
High-bay warehouses
Production halls

DALI
by default

4000 K
5000 K
6500 K
maximum flexibility
due to selectable
light color

flicker-free
shatter-proof
UV-resitant

Highlights

2-component
quick-assembly
trunking systems
mounted in 1 piece

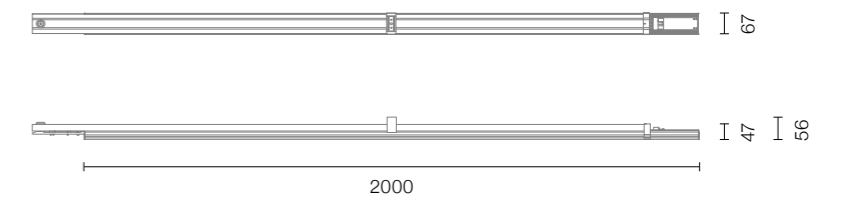
entire trunking
system with
IP54

Technical data

Light flux	up to 11.800 lm
Power consumption	76 W
Luminous efficiency	up to 155 lm/W
Beam angle	30° 90°
Light colour	4000 5000 6500 K
Switching cycles bf failure	> 500.000
Colour reproduction CRI (Ra)	> 83
Colour consistency	< 5 SDCM
Lifespan	> 50.000 h [L80, W10]
Weight	3,0 kg
Input voltage	220 - 240 V AC/DC, 50/60 Hz
Operating temperature	-20°C to +50°C
Through-wiring	6 x 1,5 mm², 1 x 2,5 mm²
Connection	with connector, 7-pols
UV-resistant	yes
Dimmable	DALI & slide switch
IP Code	IP 54
Impact resistance	IK 08 IK 05 at ROCKET EM
Applicable in the food sector	yes
Cover	diffuse (90°) clear (30°)
Housing colour	aluminium white
Housing material	Aluminium PC
Luminaires per circuit breaker B10A	27
Luminaires per circuit breaker C10A	27
Luminaires per circuit breaker B16A	42
Luminaires per circuit breaker C16A	42
Suitable as emergency light	yes
Protection class	I

Dimensions L x W x H in mm

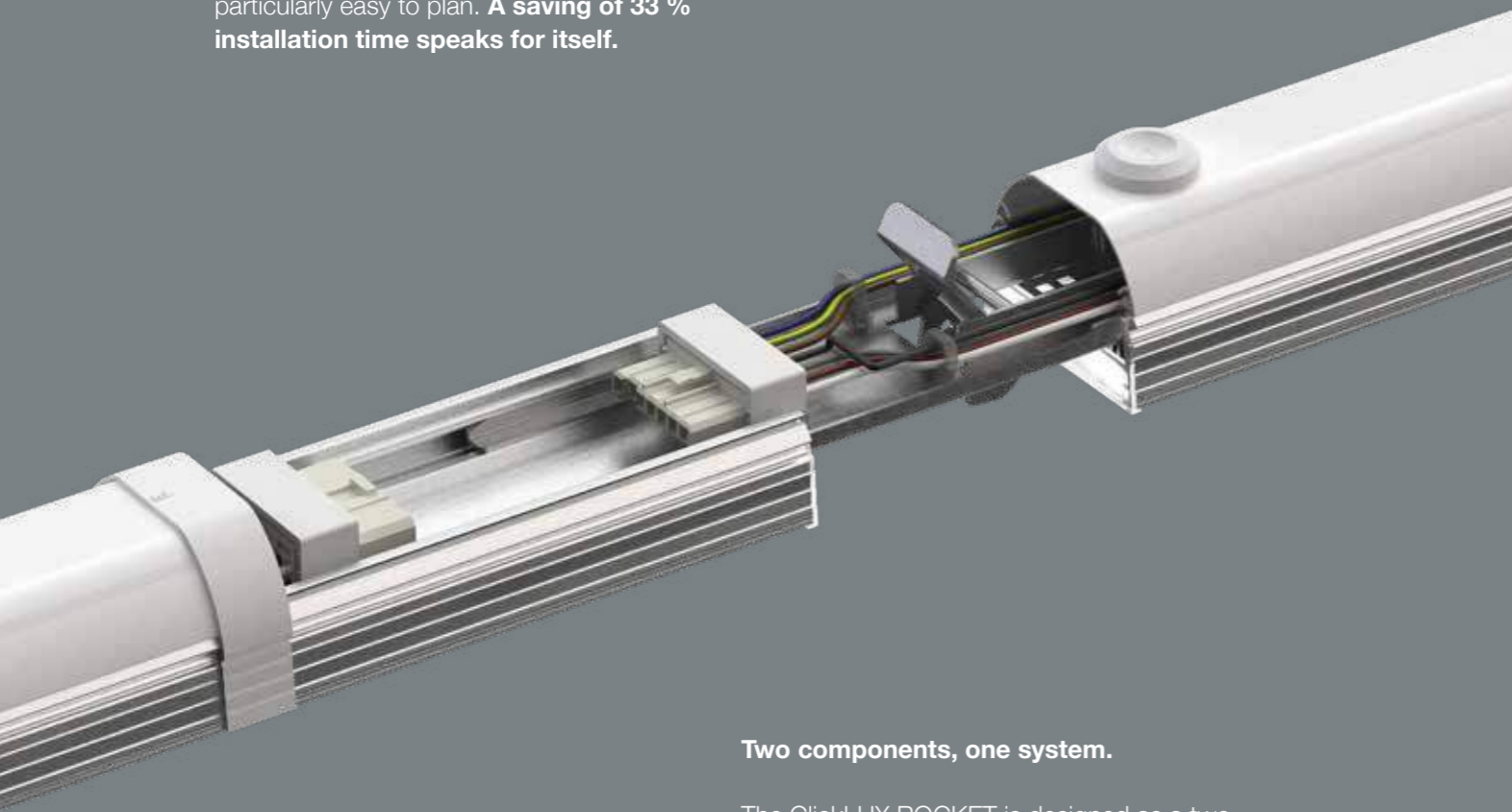
2000 x 67 x 47 (56)



You will find detailed information
in the order overview on page 38.

Assembly

Economy along the entire length. Due to the optimized length of two meters and the few assembly steps required, the system is particularly easy to plan. **A saving of 33 % installation time speaks for itself.**

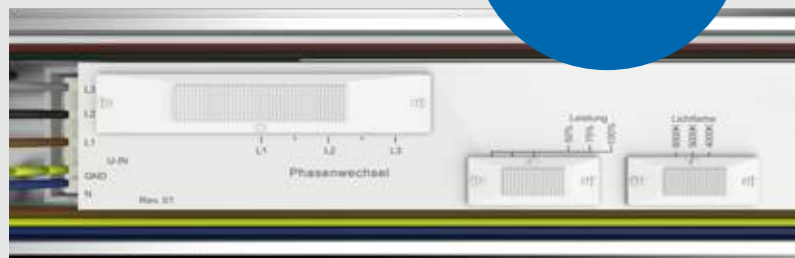


Two components, one system.

The ClickLUX ROCKET is designed as a two-part system, but is mounted in one piece due to the sliding cover. This makes it possible to install the ClickLUX ROCKET in just a few steps. To obtain a finished trunking system, only the connection set is needed.

For questions about mounting height and project realization, contact our light planning service.



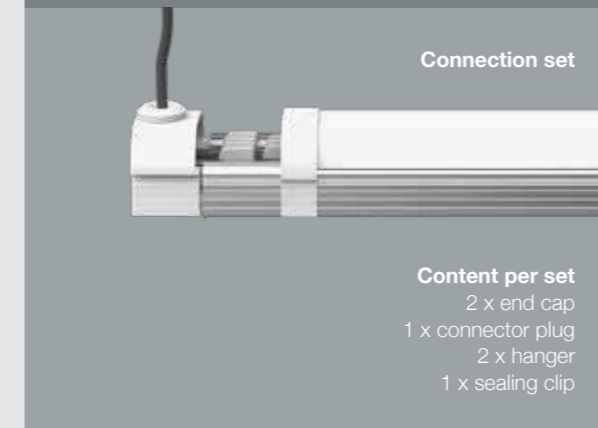


Light band during assembly is easy to configure



Unbeatably clever

Simply select **light color, phase** and **light output** via switch during installation. Our industry-optimized ballast adjusts the continuous row to any situation with a click - and it's integrated as standard.

Accessories

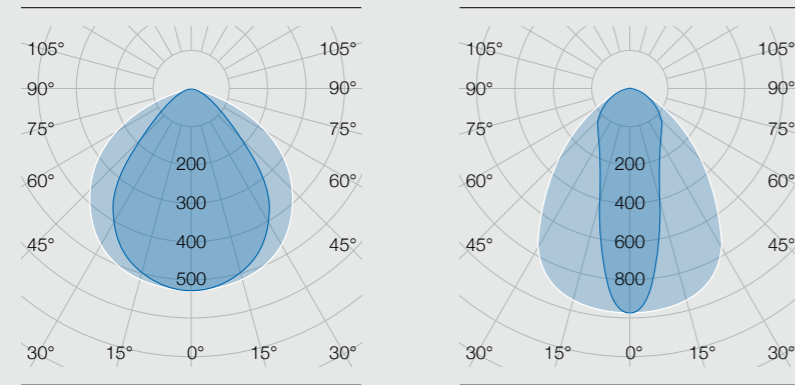
 <p>Cord suspension</p>	 <p>Chain suspender Chain not included in the scope of delivery of the hanger</p>
 <p>Connection set</p> <p>Content per set 2 x end cap 1 x connector plug 2 x hanger 1 x sealing clip</p>	 <p>Empty module (1 m) with motion and brightness sensor Daylight-dependent lighting control detection area Ø 3.5 m (at 6 m height) max. 10 m installation height</p>
 <p>Blank module (1 and 2 m) available in plastic and aluminum</p>	

! When more is simply less

- **Fewer articles** in project planning
- **Less time and costs** during assembly
- **Less waste** after assembly

= **Less total costs** in the project

Polar distribution curve



ClickLUX ROCKET 90

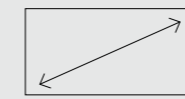
ClickLUX ROCKET 30

Further advantages

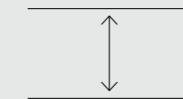
- **Flicker-free quality light**
- **One suspension per 2m module** is sufficient
- **Foodready**
- Also available as a variant with **emergency light function**



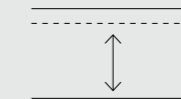
Lighting calculation example



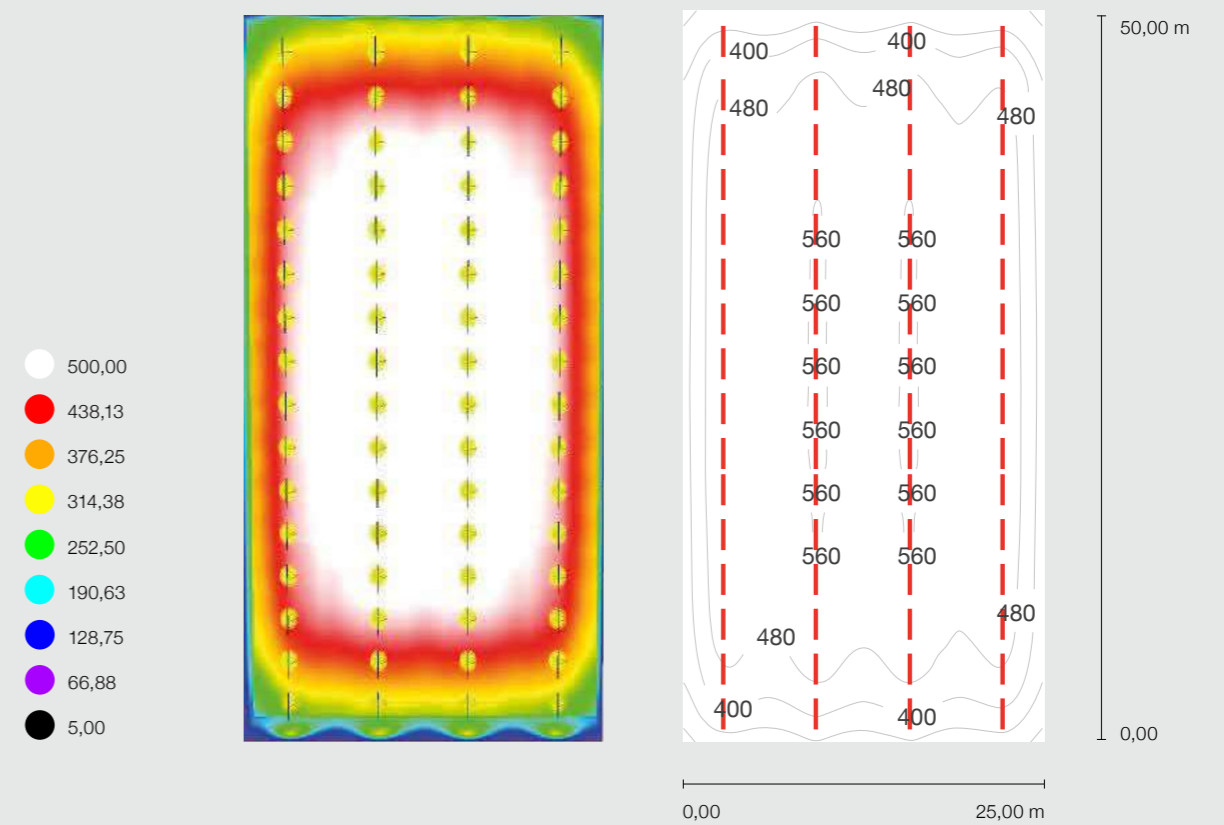
hall size
25,00 x 50,00 m



ceiling height
6,00 m



mounting height
6,00 m



	E_m [lx]	g_1
Working plane	492	0,453

Luminaire parts list

Designation	piece	ϕ (luminaire) [lm]	total [lm]	P [W]	total P (W)
ClickLUX ROCKET 90°	64	11.500	736.000	76	4.864

5 Years
Guarantee

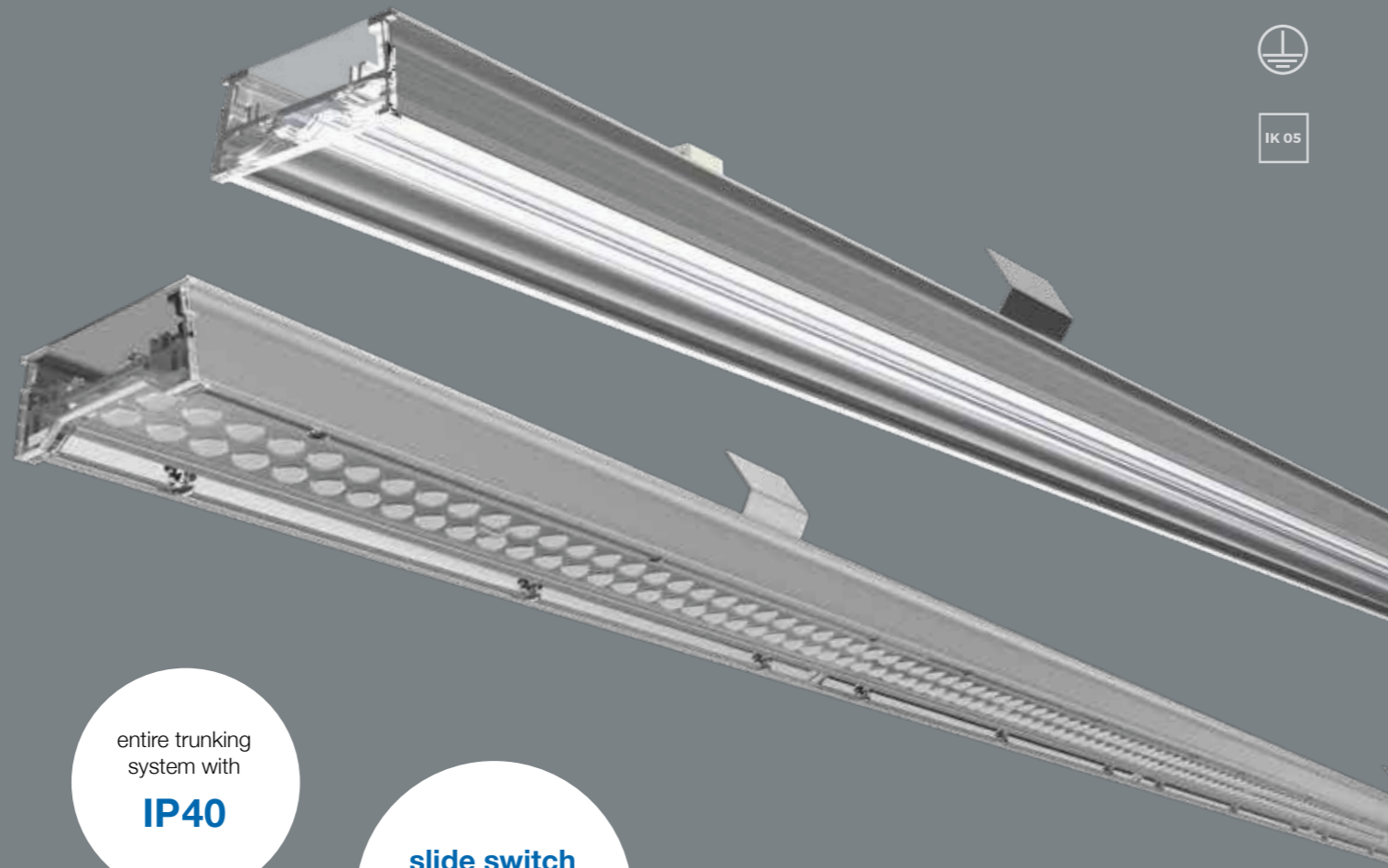


LED trunking system – Redevelopment unit

ClickLUX RELIGHT 2.0

ClickLUX RELIGHT 2.0 SL

NEW

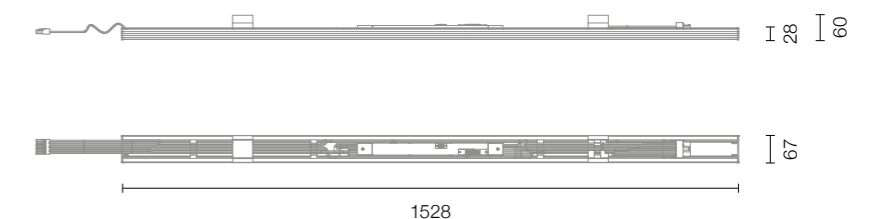


Technical data

Light flux	up to 8.950 lm
Power consumption	56 W
Luminous efficiency	up to 160 lm/W
Beam angle	30° 90°
Light colour	4000 5000 K
Switching cycles bf failure	> 500.000
Colour reproduction CRI (Ra)	> 80
Colour consistency	< 4 SDCM
Lifespan	> 50.000 h [L80, W10]
Weight	2,0 - 2,5 kg
Input voltage	220 - 240 V AC/DC, 50/60 Hz
Operating temperature	-25°C to +50°C
Through-wiring	4 x 1,5 mm ² , 1 x 2,5 mm ² 6 x 1,5 mm ² , 1 x 2,5 mm ² (DALI)
Connection	with connector, 7-pols
UV-resistant	yes
Dimmable	with slide switch, DALI optional
IP Code	IP 40
Impact resistance	IK 05
Applicable in the food sector	yes
Cover	diffuse (90°) clear (30° & RELIGHT 2.0 SL)
Housing colour	aluminium
Housing material	aluminium & PC
Luminaires per circuit breaker B10A	36
Luminaires per circuit breaker C10A	36
Luminaires per circuit breaker B16A	57
Luminaires per circuit breaker C16A	57
Suitable as emergency light	yes
Protection class	I

Dimensions L x W x H in mm

1528 x 67 x 28 (60)



You will find detailed information in the order overview on page 40.

Areas of application

- Workshops
- Warehouses
- High-bay warehouses
- Production halls

Highlights

flicker-free
shatter-proof

entire trunking system with
IP40

slide switch

for selectable phase and light output
50 | 75 | 100%

in only
3 Clicks mounted

compatible with 80%

of commercially available T5/T8 mounting rails

also available as
RELIGHT 2.0 SL
with individual lenses for better light control

Assembly

One click and already mounted.
Due to the clever LED trunking system a simple and tool-free installation of the ClickLUX RELIGHT 2.0 is no problem.

ClickLUX RELIGHT 2.0 SL

Because of the **innovative single-lens technology**, we can react flexibly to any challenge and thus ensure perfect illumination.



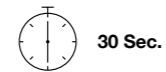
Mounting system



1. Hook in
After removing the old light module, insert the mounting aid.



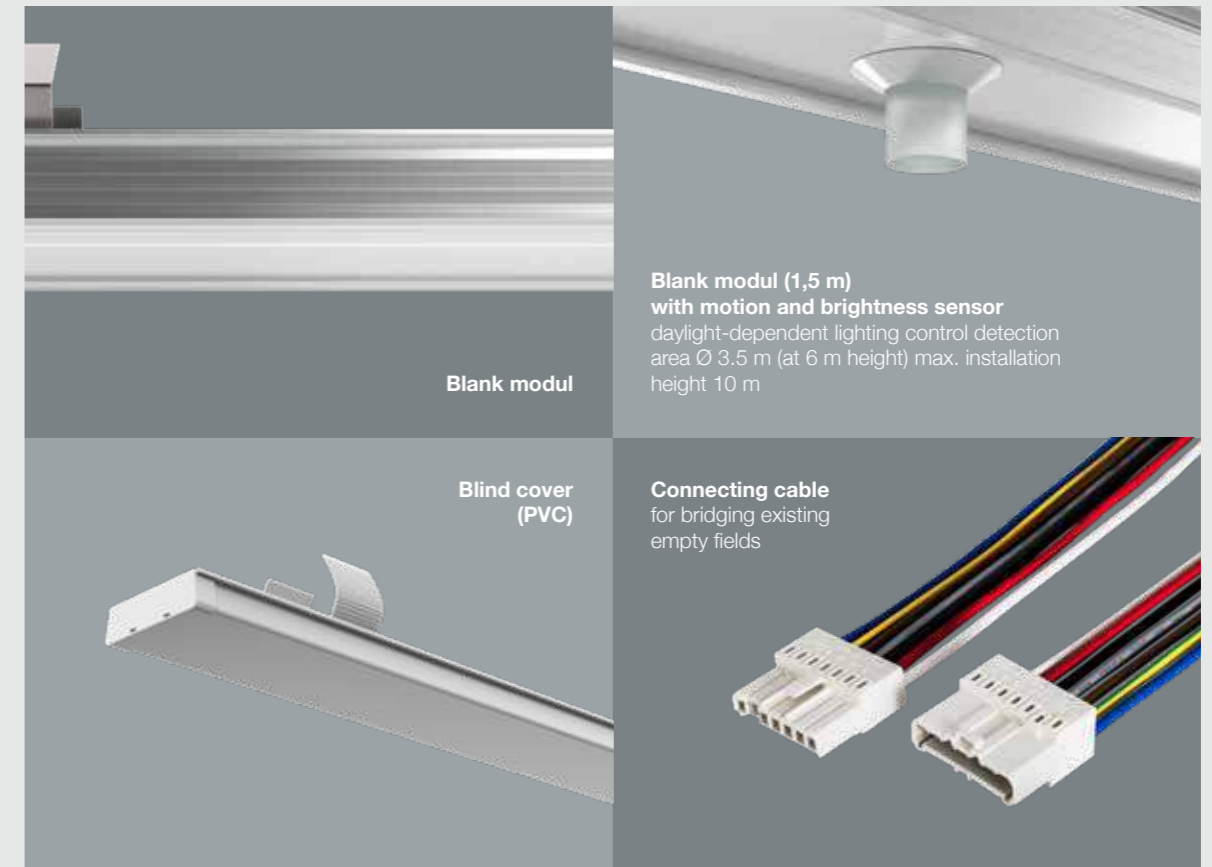
2. Connect supply line
Connect the supply cable and hook the light module into the mounting rail.



3. Click!
The light module snaps into the mounting rail with a click.



Accessories



Blank modul

Blank modul (1,5 m) with motion and brightness sensor
daylight-dependent lighting control detection area Ø 3.5 m (at 6 m height) max. installation height 10 m

Blind cover (PVC)

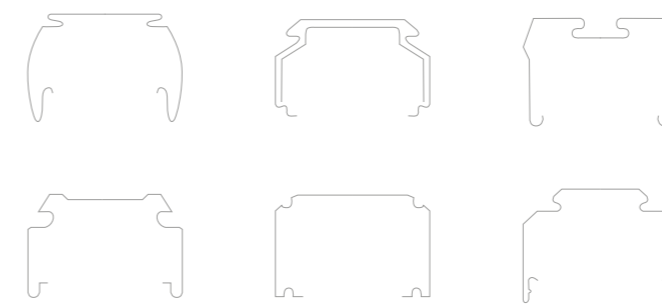
Connecting cable
for bridging existing empty fields

Number of modules per circuit breaker

Standard

B10A	_____	36 modules
C10A	_____	36 modules
B16A	_____	57 modules
C16A	_____	57 modules

Warning: Depending on installation type and length (wire cross-section 2,5mm²)

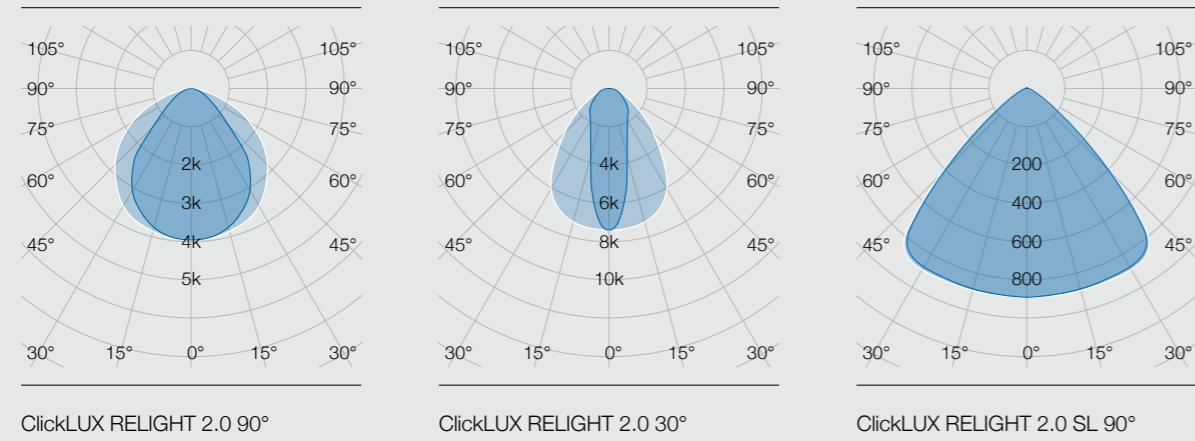


etc.

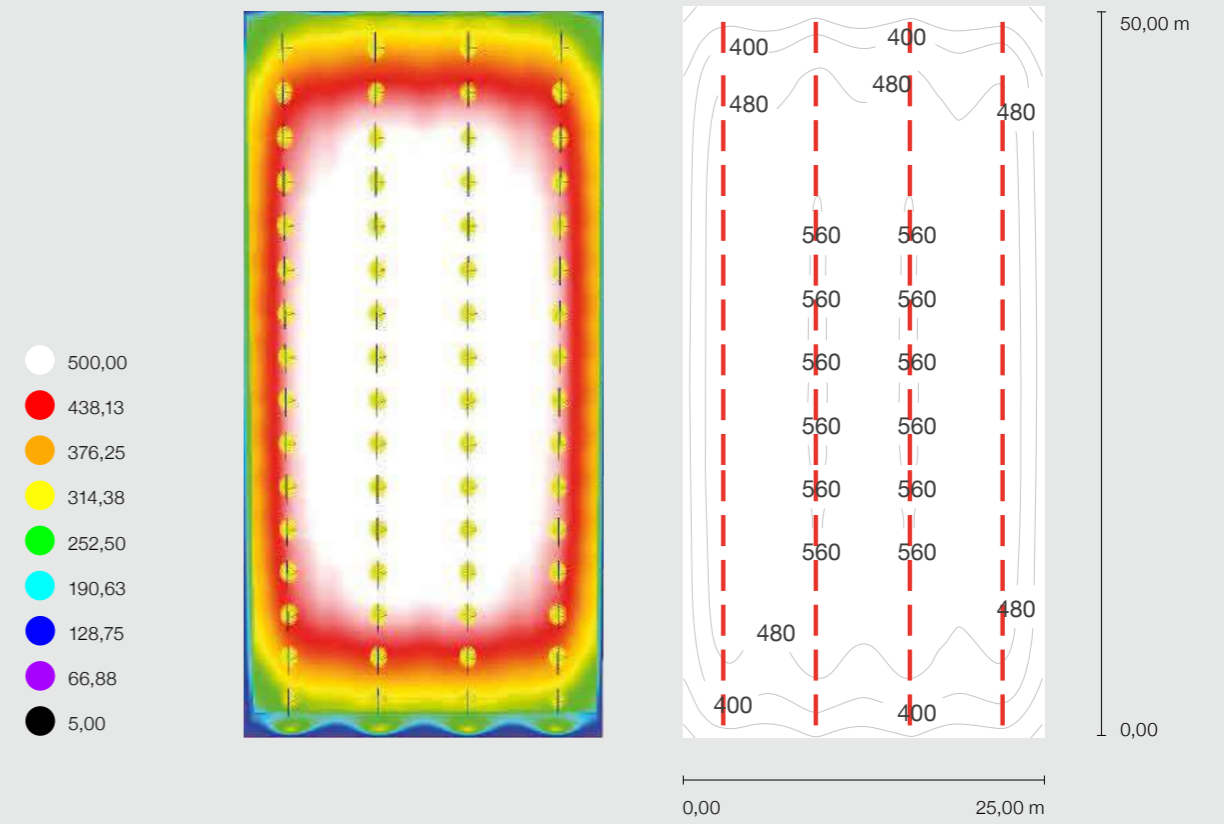
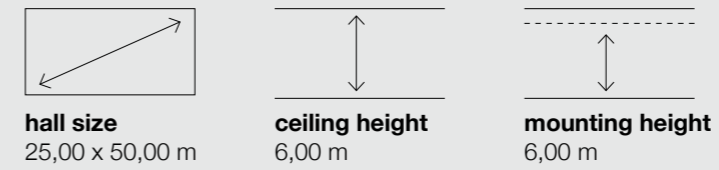
Unparalleled compatibility

The ClickLUX is compatible with over 80% of commercially available T5 and T8 trunking systems. You benefit from completely new cabling and new plug-in contacts without having to install a new trunking.

Polar distribution curve



Lighting calculation example



	E_m [lx]	g_1
Working plane	498	0,515

Luminaire parts list

Designation	piece	ϕ (luminaire) [lm]	total [lm]	P [W]	total P (W)
ClickLUX RELIGHT 2.0 90°	88	8.700	765.600	56	4.928

Light band during assembly is easy to configure



Unbeatably clever

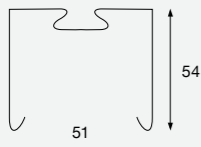
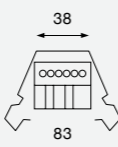
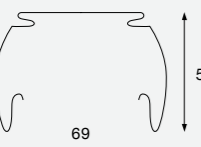
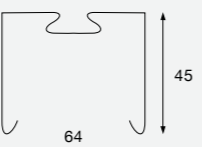
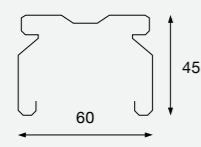
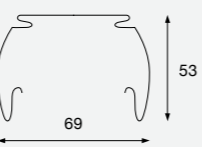
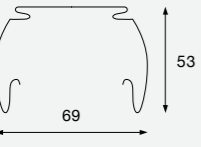
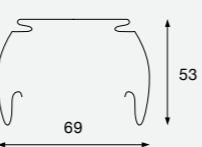
Simply select **light color, phase** and **light output** via switch during installation. Our industry-optimized ballast adjusts the continuous row to any situation with a click - and it's integrated as standard.

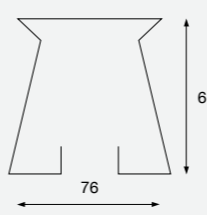
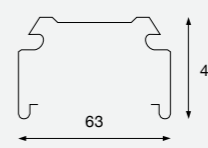
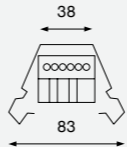
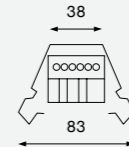
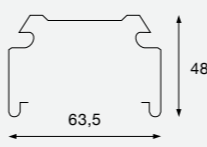
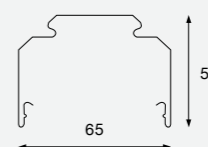
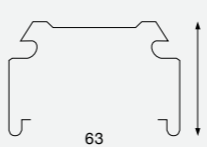
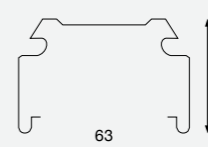
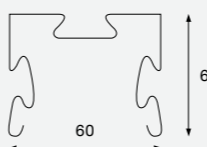
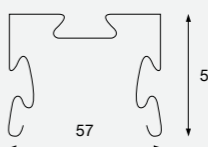
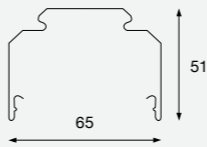
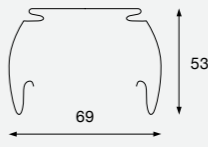
100% flicker-free quality light

The ClickLUX RELIGHT 2.0 has different lens technologies that enable precise illumination. This makes the luminaire perfect for all areas of application.

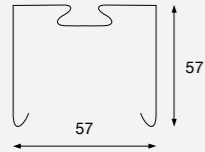
Compatibility list

Mounting rail systems for trunking systems

<p>1</p>  <p>mounting rail AEG</p> <p>model Gealux-TS XX</p> <p>note Installation possible, after dismantling the holder for the equipment carriers</p>	<p>2</p>  <p>mounting rail AEG</p> <p>model Maxos</p>
<p>3</p>  <p>mounting rail Antaris</p> <p>model Lichtbandsystem</p> <p>note Compatible with mounting clip system 1, optionally available (Item no.: 704833010007). Mounting clip system 2 must be disassembled.</p>	<p>4</p>  <p>mounting rail Fluora</p> <p>model Nini-Fix</p>
<p>5</p>  <p>mounting rail Fluolite</p> <p>model TRZ</p>	<p>6</p>  <p>mounting rail Kandem</p> <p>model SV70, SV75</p> <p>note Compatible with mounting clip system 1, optionally available (Item no.: 704833010007). Mounting clip system 2 must be disassembled.</p>
<p>7</p>  <p>mounting rail Litec</p> <p>model N/A</p> <p>note Compatible with mounting clip system 1, optionally available (Item no.: 704833010007). Mounting clip system 2 must be disassembled.</p>	<p>8</p>  <p>mounting rail Ludwig</p> <p>model TR50W</p> <p>note Compatible with mounting clip system 1, optionally available (Item no.: 704833010007). Mounting clip system 2 must be disassembled.</p>

<p>9</p>  <p>mounting rail Ludwig</p> <p>model TR65</p> <p>note Compatible with mounting clip system 4, optionally available (Item no.: 704833010007). Mounting clip system 2 must be disassembled.</p>	<p>10</p>  <p>mounting rail Newlec</p> <p>model HSDT</p>
<p>11</p>  <p>mounting rail Philips</p> <p>model Maxos TL5</p>	<p>12</p>  <p>mounting rail Philips</p> <p>model Maxos TL-D</p>
<p>13</p>  <p>mounting rail Philips</p> <p>model TTX400</p>	<p>14</p>  <p>mounting rail Regent</p> <p>model Traq</p> <p>note Installation only with currentless mounting rail</p>
<p>15</p>  <p>mounting rail Regiolux</p> <p>model ILT XX</p>	<p>16</p>  <p>mounting rail Regiolux</p> <p>model SDT XX</p>
<p>17</p>  <p>mounting rail Regiolux</p> <p>model SPT XX</p>	<p>18</p>  <p>mounting rail Regiolux</p> <p>model ST XX</p>
<p>19</p>  <p>mounting rail Ridi</p> <p>model VLT XX (Art.-Nr. 15xxxxx)</p> <p>note Installation only with currentless mounting rail</p>	<p>20</p>  <p>mounting rail RZB</p> <p>model Planos</p> <p>note Compatible with mounting clip system 1, optionally available (Item no.: 704833010007). Mounting clip system 2 must be disassembled.</p>

21

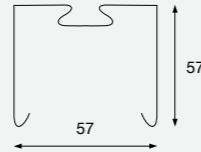


mounting rail
Siemens

model
5LS

note
Installation possible, after dismantling the holder for the equipment carriers

22

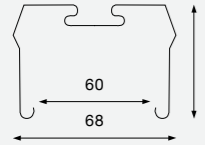


mounting rail
Siemens / Siteo

model
5LJ80 XX

note
Installation possible, after dismantling the holder for the equipment carriers

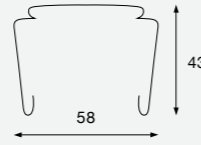
23



mounting rail
Siteco

model
DUS

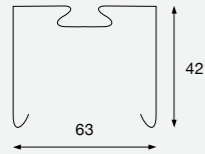
24



mounting rail
Siteco

model
Modario

25

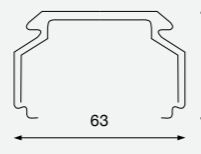


mounting rail
Thorn

model
98287

note
Compatible with mounting clip system 1, optionally available (Item no.: 704833010007). Mounting clip system 2 must be disassembled.

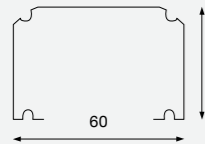
26



mounting rail
Trilux

model
07650 XX

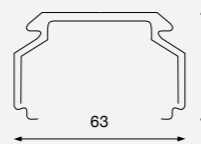
27



mounting rail
Trilux

model
7910X/7920X

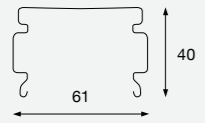
28



mounting rail
Trilux

model
07690 XX

29

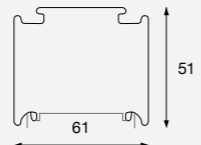


mounting rail
Zumtobel

model
ZX1

note
Compatible with mounting clip system 3, optionally available (Item no.: 704833010007). Mounting clip system 2 must be disassembled.

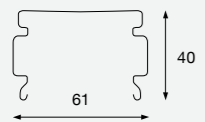
30



mounting rail
Zumtobel

model
ZX2

31



mounting rail
Zumtobel

model
Tecton

note
Compatible with mounting clip system , optionally available (Item no.: 704833010007). Mounting clip system 2 must be disassembled.

Mounting bracket systems

System 1

Antaris Trunking system	Ludwig TR50W
ClickLUX mounting rail	Regiolux SPT XX
Kandem SV70, SV75	RZB Planos
Litec	Thorn 98287

System 2

AEG Gealux-TS	Siemens 5LS
AEG Maxos	Siemens/Siteco 5LJ80 Serie
Fluora Nini-Fix	Siteco DUS
Fluolite TRZ	Siteco Modario
Newlec HSDT	Trilux 07650 XX
Philips Maxos TL5	Trilux 7910X/7920X
Philips Maxos TL-D	Trilux 07690 XX
Philips TXX400	Zumtobel ZX2
Regent Traq	
Regiolux ILT XX	
Regiolux SDT XX	
Regiolux ST XX	
Ridi VLT XX (Art.-Nr. 15xxxxx)	

System 3

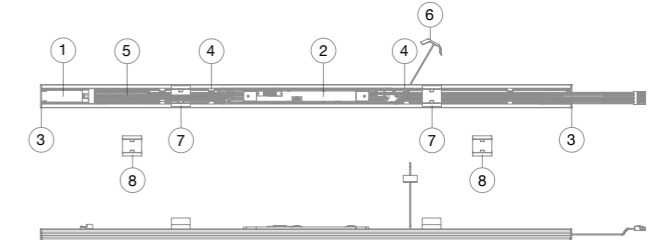
Zumtobel ZX1
Zumtobel Tecton

System 4

Ludwig TR65*

*only on demand



Equipping









- 1 LED module
- 5 Wiring with WAGO connector
- 2 LED ballast
- 6 Mounting aid
- 3 End caps
- 7 Mounting clip system 2
- 4 Cable holder
- 8 Mounting clip system 1 (optionally available)

Further mounting rails can be tested on request, special designs are possible. All brand names and trademarks used here are the property of the respective legal owners and are used here for documentation purposes only.


ClickLUX ROCKET





Product	Art.-Nr.	EAN		lm	Watt		L x W x H in mm	Gross Price	PU
ClickLUX ROCKET 90	722095750073	4260374014317	4000 K 5000 K 6500 K	11.500	76	90°	2000 x 67 x 47 (56)	281,25 €	6
ClickLUX ROCKET 30	722095750074	4260374014324	4000 K 5000 K 6500 K	11.800	76	30°	2000 x 67 x 47 (56)	281,25 €	6
ClickLUX ROCKET 90 EM for single battery*	722095220093	4260374015024	4000 K 5000 K 6500 K	11.500	76	90°	2000 x 67 x 47 (56)	727,08 €	6
ClickLUX ROCKET 90 EM for group battery	722095240128	4260374015550	4000 K 5000 K 6500 K	11.500	76	90°	2000 x 67 x 47 (56)	477,08 €	6

 Scope of delivery: incl. 1x hanger for ceiling or wire mounting.
Project variant on request; *in emergency operation 450 lm at 3 W


Accessories	Art.-Nr.	EAN	L x W x H mm	Gross Price	PU
 ClickLUX ROCKET blank module 1 m aluminium	721000110075	4260374014331	1.000 x 67 x 47 (56)	78,13 €	6
 ClickLUX ROCKET blank module 1 m PVC	721021110139	4260374015727	1000 x 67 x 47 (56)	65,63 €	6
 ClickLUX ROCKET blank module 1 m with sensor PVC	721022010142	4260374015734	1000 x 67 x 47 (56)	539,58 €	6
 ClickLUX ROCKET blank module 2 m aluminium	722000110159	4260374017158	2.000 x 67 x 47 (56)	109,38 €	6
 ClickLUX ROCKET blank module 2 m PVC	722021110146	4260374016090	2000 x 67 x 47 (56)	93,75 €	6

All prices refer to 1 piece plus VAT.



 NEW in our assortment


Accessories	Art.-Nr.	EAN	L x W x H mm	Gross Price	PU
 ClickLUX ROCKET connection set: 2x End cap 1x Connector plug 2x Suspension brackets 1x Sealing clip	724785020020	4260374014355		26,04 €	1
 ClickLUX ROCKET chain suspender	724784040022	4260374014423		6,04 €	80
 ClickLUX ROCKET cord suspension 1 x 2 m	724786020029	4260374015260	2000	11,46 €	6
 ClickLUX ROCKET cord suspension 1 x 5 m	724786050030	4260374015277	5000	15,63 €	6



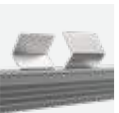


All prices refer to 1 piece plus VAT.

 NEW in our assortment


ClickLUX RELIGHT 2.0




Product	Art.-Nr.	EAN		lm	Watt		L x W x H in mm	Gross Price	PU
ClickLUX RELIGHT 2.0 5000-90	701550560083	4260374014867	5000 K	8.700	56	90°	1528 x 67 x 28 (60)	142,71 €	6
ClickLUX RELIGHT 2.0 4000-90 *	701540560082	4260374014850	4000 K	8.700	56	90°	1528 x 67 x 28 (60)	142,71 €	6
ClickLUX RELIGHT 2.0 5000-30 **	701550560087	4260374014904	5000 K	8.500	56	30°	1528 x 67 x 28 (60)	153,13 €	6
ClickLUX RELIGHT 2.0 4000-30 **	701540560086	4260374014898	4000 K	8.500	56	30°	1528 x 67 x 28 (60)	153,13 €	6
ClickLUX RELIGHT 2.0 5000-90, DALI	701550560085	4260374014881	5000 K	8.700	56	90°	1528 x 67 x 28 (60)	186,46 €	6
ClickLUX RELIGHT 2.0 4000-90, DALI	701540560084	4260374014874	4000 K	8.700	56	90°	1528 x 67 x 28 (60)	186,46 €	6
ClickLUX RELIGHT 2.0 5000-30, DALI	701550560089	4260374014928	5000 K	8.500	56	30°	1528 x 67 x 28 (60)	196,88 €	6
ClickLUX RELIGHT 2.0 4000-30, DALI	701540560088	4260374014911	4000 K	8.500	56	30°	1528 x 67 x 28 (60)	196,88 €	6
ClickLUX RELIGHT 2.0 SL 5000-90, DALI	701550560152	4260374016908	5000 K	8.950	56	90°	1528 x 67 x 28 (60)	186,46€	6
ClickLUX RELIGHT 2.0 SL 4000-90, DALI	701540560151	4260374016892	4000 K	8.950	56	90°	1528 x 67 x 28 (60)	186,46€	6

 Scope of delivery: with system 2 mounting clip as standard


Accessories	Art.-Nr.	EAN	L x W x H mm	Gross Price	PU
 ClickLUX RELIGHT 2.0 Blank	701500110090	4260374014959	1528 x 67 x 28 (60)	72,92 €	6
 ClickLUX RELIGHT 2.0 blank with sensor	701500220158	4260374017066	1.528 x 67 x 28 (60)	560,42 €	6
 mounting clip system 1 for ClickLUX RELIGHT 2.0*	704833010007	4260374015246		3,13 €	2
 mounting clip system 3 for ClickLUX RELIGHT 2.0*	704833030009	4260374016069		5,21 €	2
 ClickLUX connection cable	704793150004	4260374012610	1548	26,04 €	1

All prices refer to 1 piece plus VAT.

 NEW in our assortment

Accessories	Art.-Nr.	EAN	L x W x H mm	Gross Price	PU
 ClickLUX blind cover for mounting rails of system 2	704796030034	4260374016083	1528 x 65 x 14 (54)	13,54 €	30
 ClickLUX mounting clip for blind cover 1 x mounting clip 1 x mounting screw	704796030038	4260374017325		2,08 €	1
 ClickLUX connector plug	704794000005	4260374012634	7-pole	7,29 €	1

All prices refer to 1 piece plus VAT.

 NEW in our assortment

Damp-proof luminaires

Dust, water and cold place high demands on a damp-proof luminaires every day. Due to many years of industrial expertise, we at **lichtline** have exactly the right lighting solution for use in demanding environments. Whether in cold stores, cellars, industrial kitchens, production halls or car washes - the robust construction and the weather and UV-resistant material meet almost all requirements in damp rooms.



IndustryLUX TUBOLA	_____	44
IndustryLUX FARO X3	_____	50
DeLUX SPLASH	_____	54
Order overview	_____	56

5 Years
Guarantee

IndustryLUX

TUBOLA

NEW

Application areas
Warehouse / cold storage
Workshops
Underground garages
Food industry



also in warm white

2400 K
2700 K
3000 K

selectable light colour thanks to slide switch

UV-resistant

and with pressure equalisation membrane

weatherproof

fast toolless assembly due to **Quick-Snap-Clips**

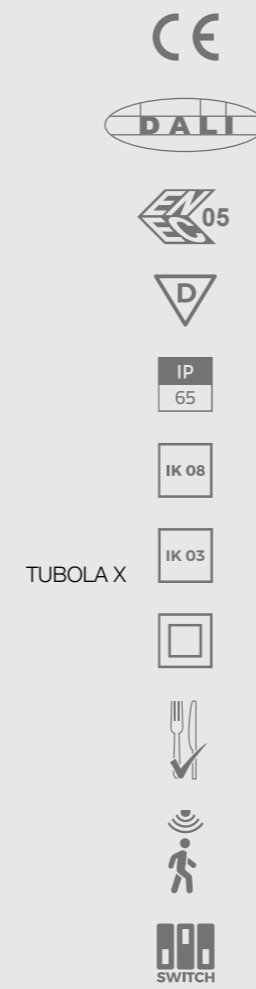
more installation freedom

apt for standard pipe clamp dimension

Highlights

Through-wiring

up to 104 TUBOLA 1500 K3 (per B16A)



4000 K
5000 K
6500 K
maximum flexibility thanks to selectable light colour

Integrated motion sensor
with TUBOLA MOTION

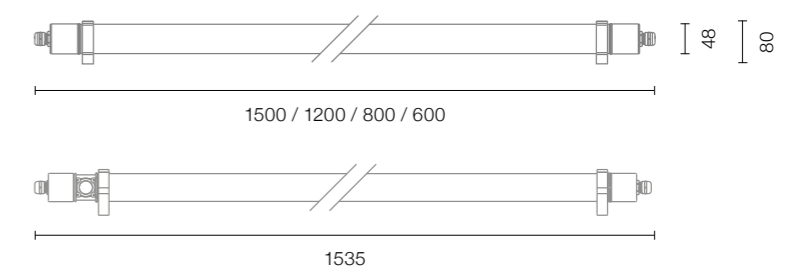


Technical data

Light flux	up to 7.000 lm
Power consumption	12 - 45 W
Luminous efficiency	up to 156 lm/W
Beam angle	130°
Light colour	2400 2700 3000 4000 5000 6500 K
Switching cycles bf failure	> 500.000
Colour reproduction CRI (Ra)	> 80
Colour consistency	< 5 SDCM
Lifespan	> 50.000 h [L80, W10]
Weight	0,45 - 1,0 kg
Input voltage	220 - 240 V AC/DC, 50/60 Hz
Operating temperature	-25°C to +50°C
Through-wiring	3 x 1,5 mm ² 5 x 1,5 mm ² (DALI)
Connection	with clamp, 3-/5-pole
UV-resistant	yes
Dimmable	DALI optional
IP Code	IP 65
Impact resistance	IK 08 IK 03 bei TUBOLA X
Applicable in the food sector	yes
Cover	diffuse
Housing colour	white
Housing material	PC PMMA (TUBOLA X)
Luminaires per circuit breaker B10A	115 (12 W) 94 (19 W) 83 (25 W) 65 (30 W) 46 (45 W)
Luminaires per circuit breaker C10A	173 104 83 65 46
Luminaires per circuit breaker B16A	185 151 132 104 74
Luminaires per circuit breaker C16A	276 166 132 104 74
Suitable as emergency light	yes
Protection class	II

Dimensions L x Ø (H) in mm

1535 / 1500 / 1200 / 800 / 600 x Ø48 (80)



You will find detailed information in the order overview on page 56.

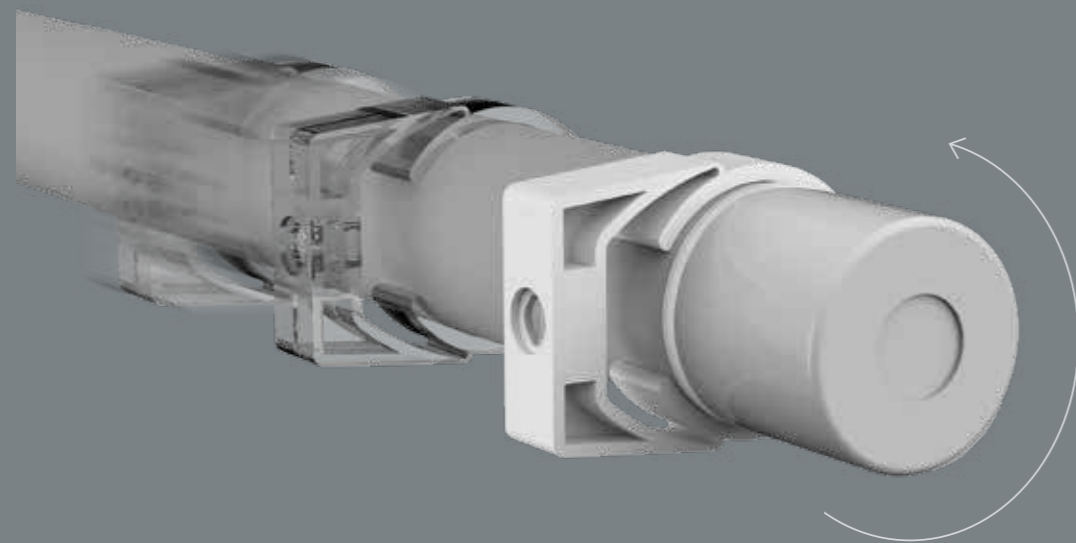
Damp proof

Assembly

Unbeatably flexible. Due the enclosed mounting clamps with quick-release fastener, simple and quick mounting on walls or ceilings is possible. Existing drill holes can be used for mounting and the luminaire can be fixed along its entire length.

Alternatively, use suitable fixing material according to the **industry standard Ø 50 mm.**

For more security and **theft protection**, mounting with stainless steel clamps is possible.



360° rotatable

Direction of beam freely adjustable.

Ceiling illumination

With the circumferential polycarbonate cover a particularly wide emission characteristic is favoured which illuminates the ceiling at the same time.

D-marking

For fire hazardous premises.

Integrated motion sensor with TUBOLA MOTION

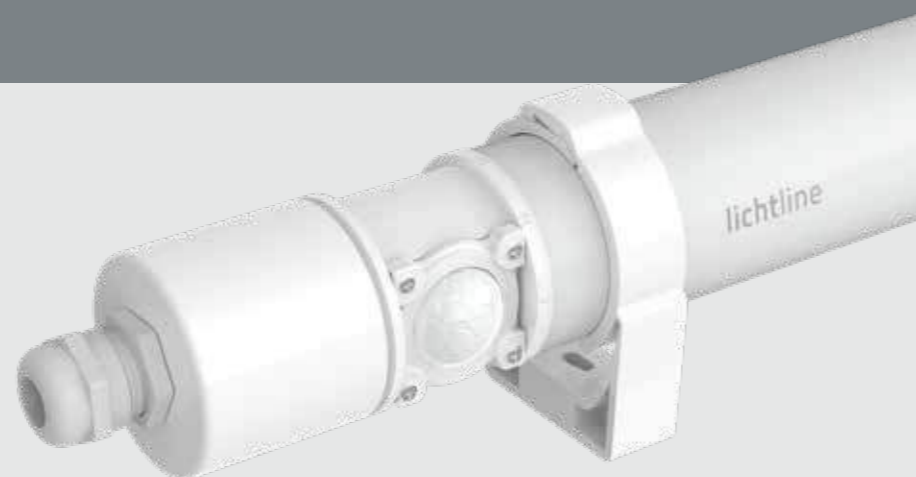
PIR-sensor

coverage angle 130 x 100°

max. height 6 m,
coverage area 13 x 7 m
at installation height 3 m

configuration options

burn time



TUBOLA X

For even more application options, TUBOLA DALI and TUBOLA PLUS DALI are now also available as X-version with PMMA housing. The new resistances open up even more application options for you.

NEW

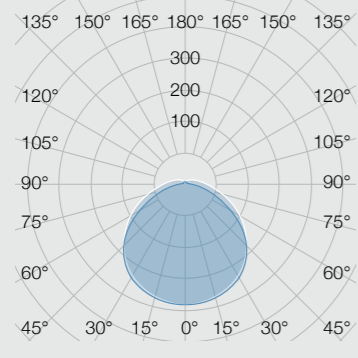


The proven TUBOLA is now also available in a warm white version. The light colour of **TUBOLA W3** can be changed with a slide switch between

2400 K 2700 K 3000 K

and lets your surroundings shine in a stylish light.

Polar distribution curve



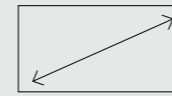
IndustryLUX TUBOLA

Three colours for colourful scenarios

The IndustryLUX TUBOLA 1500 in **blue, red or green** is particularly suitable for special applications. By surrounding the LEDs with a diffuse polycarbonate tube, the light is evenly distributed and an individual coloured atmosphere is created.



Lighting calculation example



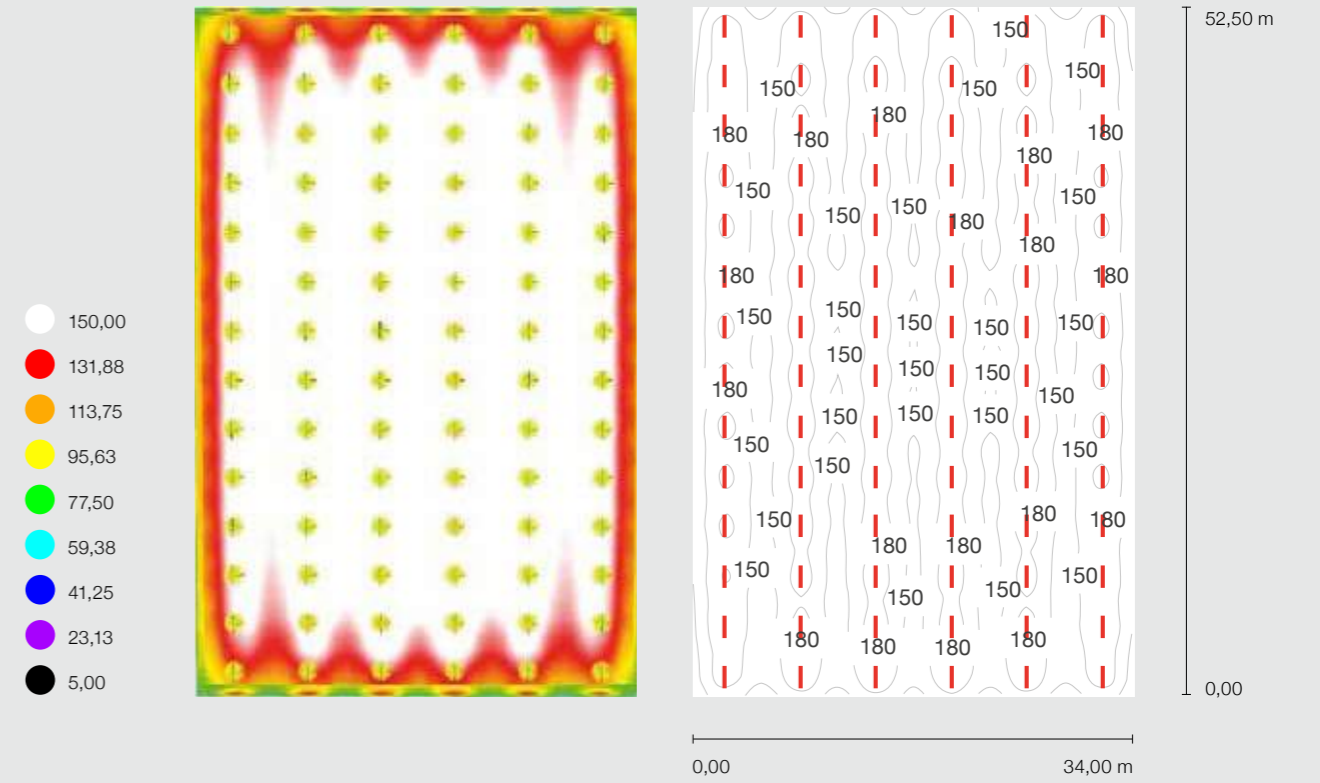
hall size
34,00 x 52,50 m



ceiling height
4,00 m



mounting height
4,00 m



	E_m [lx]	g_t
Working plane	161	0,610

Luminaire parts list

Designation	piece	ϕ (luminaire) [lm]	total [lm]	P [W]	total P (W)
TUBOLA 1500 K3	84	4.200	352.800	30	2.520

IndustryLUX

FARO X3

NEW

5 Years
Guarantee



Areas of application

- Industrial halls
- Workshops
- Tyre production / -storage
- Dust polluted Operations



Technical data

Light flux	up to 8.500 lm
Power consumption	23 - 65 W
Luminous efficiency	up to 152 lm/W
Beam angle	75° 140°
Light colour	4000 5000 K
Switching cycles bf failure	> 500.000
Colour reproduction CRI (Ra)	> 80
Colour consistency	< 5 SDCM
Lifespan	> 50.000 h [L80, W10]
Weight	1,3 - 2,5 kg
Input voltage	220 - 240 V AC/DC, 50/60 Hz
Operating temperature	-25°C to +50°C -30°C to +60°C (HTS)
Through-wiring	5 x 1,5 mm ²
Connection	with clamp, 5-pole
UV-resistant	yes
Dimmable	with slide switch, DALI optional
IP Code	IP 65
Impact resistance	IK 08
Applicable in the food sector	yes
Cover	diffuse
Housing colour	white
Housing material	PC
Luminaires per circuit breaker B10A	37 (23 W) 30 (46 W) 32 (65 W)
Luminaires per circuit breaker C10A	63 43 32
Luminaires per circuit breaker B16A	60 48 51
Luminaires per circuit breaker C16A	101 69 51
Suitable as emergency light	yes
Protection class	II

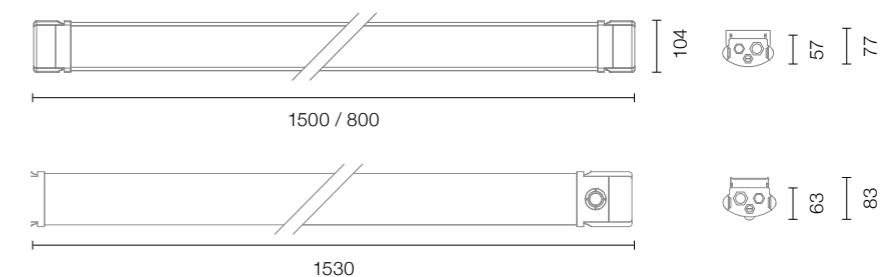
Damp proof

Integrated motion sensor
in FARO X3 MOTION



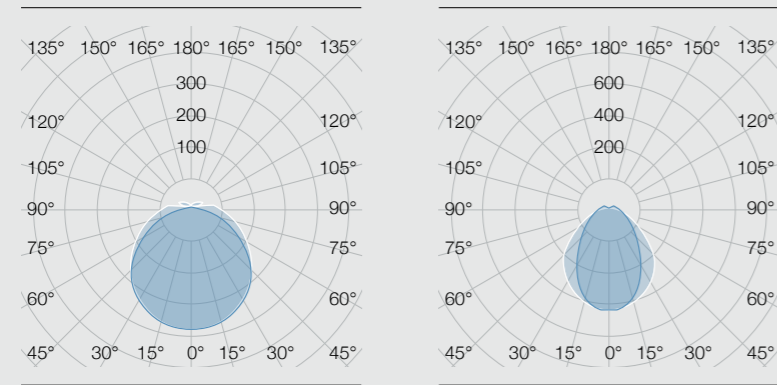
Dimensions L x W x H in mm

1530 / 1500 / 800 x 104 x 57 (77)



You will find detailed information in the order overview on page 58.

Polar distribution curve



IndustryLUX FARO X3 140°

IndustryLUX FARO X3 75°

Assembly

Quick mounting with Easy-Clip-System

Due to the enclosed fixing clips with locking screw, mounting on walls and ceilings is done in no time. The existing drill holes can be used for easy mounting and the luminaire can thus be flexibly fixed along its entire length. Alternatively, the supplied mounting brackets can be used for suspension.

Foodready

In addition to uniform light distribution thanks to the prismatic PC cover, this shatterproof material enables use in the food sector.

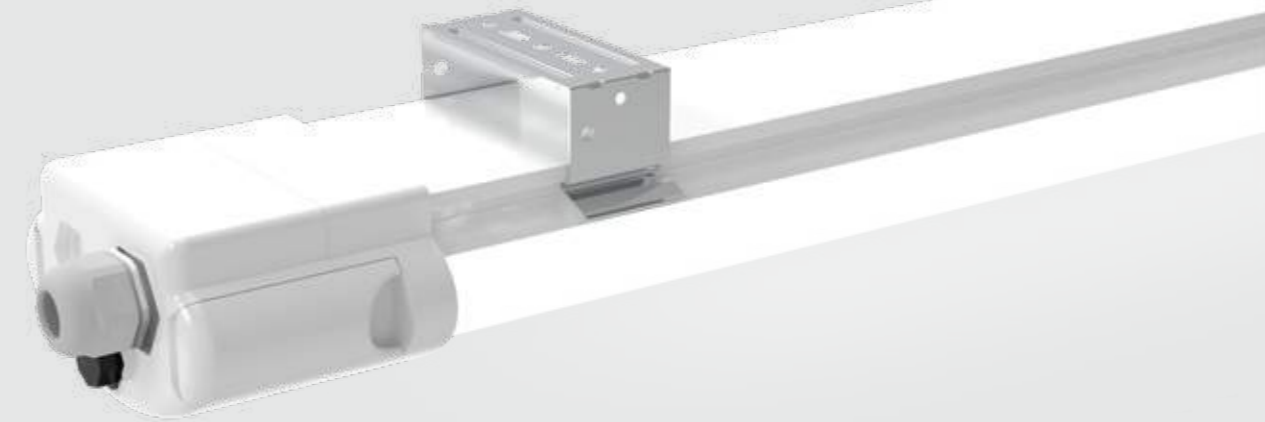


DIP-Switch

50 | 75 | 100 % light intensity, optimised for project solutions. Flexible replacement for T5 and T8 moisture-proof luminaires.

IndustryLUX FARO X3 HTS DALI

Now also suitable for use in sulphurous environments and at high temperatures up to 60°C.



IndustryLUX FARO X3 75°

At a mounting height of two metres, the luminaire is ideally suited for illuminating test areas for more than 1000 lx at the workplace.

Ceiling illumination

With the wide and flat polycarbonate cover, a particularly wide beam pattern is favoured, emitting part of the light to the ceiling.

Damp proof

! Further advantages

- **Easy to clean** thanks to high-quality material
- **Use in unprotected outdoor areas**
- **Impact resistant** up to 5 J | IK 08
- **Can be mounted through-wired on one & both sides** M16 gland required for single-sided DGV
- **Easy connection** via removable end cap, the connection terminal is easily accessible

3 Years
Guarantee

DeLUX
SPLASH

NEW

Areas of application
Warehouse
Technical rooms
Garages

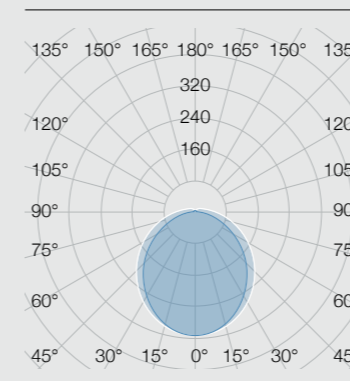


Technical data

Light flux	up to 5.000 lm
Power consumption	30 36 W
Luminous efficiency	140 lm/W
Beam angle	120°
Light colour	4000 K
Switching cycles bf failure	> 200.000
Colour reproduction CRI (Ra)	> 80
Colour consistency	< 5 SDCM
Lifespan	> 50.000 h [L70, W10]
Weight	1,1 - 1,3 kg
Input voltage	220 - 240 V AC/DC, 50/60 Hz
Operating temperature	-20°C to +45°C
Through-wiring	3 x 1,5 mm ²
Connection	with clamp, 3-pole
UV-resistant	no
Dimmable	no
IP Code	IP 65
Impact resistance	IK 08
Applicable in the food sector	yes
Cover	diffuse
Housing colour	grey
Housing material	PC
Luminaires per circuit breaker B10A	69 (30 W) 58 (36 W)
Luminaires per circuit breaker C10A	69 58
Luminaires per circuit breaker B16A	110 92
Luminaires per circuit breaker C16A	110 92
Suitable as emergency light	yes
Protection class	II

Damp proof

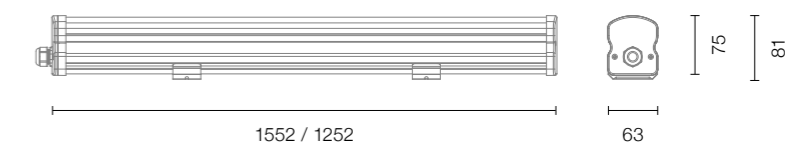
Polar distribution curve



DeLUX SPLASH


Dimensions L x W x H in mm


1552 / 1252 x 63 x 75 (81)







You will find detailed information in the order overview on page 59.


IndustryLUX TUBOLA


Product	Art.-Nr.	EAN		lm	Watt	Δ°	L x W x H in mm	Gross Price	PU
TUBOLA 1500 K3 PLUS	811595450039	4260374014485	4000 K 5000 K 6500 K	7.000	45	130°	1500 x Ø48 (80)	123,96 €	9
TUBOLA 1500 K3 PLUS DALI	811595450057	4260374015116	4000 K 5000 K 6500 K	7.000	45	130°	1500 x Ø48 (80)	155,21 €	9
TUBOLA 1500 K3	811595300022	4260374014102	4000 K 5000 K 6500 K	4.200	30	130°	1500 x Ø48 (80)	96,88 €	9
TUBOLA 1500 K3 DALI	811595300056	4260374015109	4000 K 5000 K 6500 K	4.200	30	130°	1500 x Ø48 (80)	123,96 €	9
TUBOLA 1200 K3	811295250084	4260374016960	4000 K 5000 K 6500 K	3.500	25	130°	1200 x Ø48 (80)	92,71 €	9
TUBOLA 800 K3	810840200021	4260374013815	4000 K 5000 K 6500 K	2.600	19	130°	800 x Ø48 (80)	86,46 €	9
TUBOLA 600 K3	810640120020	4260374013808	4000 K 5000 K 6500 K	1.600	12	130°	600 x Ø48 (80)	71,88 €	9
TUBOLA 1500 K3 X PLUS DALI	811595450079	4260374016120	4000 K 5000 K 6500 K	7.000	45	130°	1500 x Ø48 (80)	176,04 €	9
TUBOLA 1500 K3 X DALI	811595300078	4260374016113	4000 K 5000 K 6500 K	4.200	30	130°	1500 x Ø48 (80)	144,79 €	9
TUBOLA 1500 W3	811595300089	4260374017127	2400 K 2700 K 3000 K	4.200	30	130°	1500 x Ø48 (80)	105,21 €	9
TUBOLA 1500 MOTION	811550300059	4260374015284	5000 K	4.200	30	130°	1535 x Ø48 (80)	115,63 €	9
TUBOLA 1500 RED	811515320017	4260374013655	rot	1.850	30	130°	1500 x Ø48 (80)	115,63 €	9
TUBOLA 1500 GREEN	811516320018	4260374013662	grün	2.450	30	130°	1500 x Ø48 (80)	115,63 €	9
TUBOLA 1500 BLUE	811514320019	4260374013679	blau	900	30	130°	1500 x Ø48 (80)	115,63 €	9




 Scope of delivery: incl. 2x mounting clip and cable gland M20cable gland M20

Accessories	Art.-Nr.	EAN	L x W x H mm	Gross Price	PU
 cord suspension 1 x 2m	724786020029	4260374015260	2000	11,46 €	6
 mounting-clip stainless steel V2A (2 pcs. set)	829702290042	4260374016106		26,04 €	1
 pressure compensation-cable gland	478184200034	4260374015093		9,38 €	1
 mounting plat for 2-3 luminaires	474459060033	4260374014751	418 x 222 x10	52,08 €	1


IndustryLUX FARO X3

Product	Art.-Nr.	EAN		lm	Watt	△°	L x W x H in mm	Gross Price	PU
FARO X3 1500-140	111550460011	4260374013570	5000 K	7.000	46	140°	1500 x 104 x 57 (77)	181,25 €	4
FARO X3 1500-140	111540460013	4260374013952	4000 K	7.000	46	140°	1500 x 104 x 57 (77)	181,25 €	4
FARO X3 1500-75	111550460017	4260374013921	5000 K	6.800	46	75°	1500 x 104 x 57 (77)	181,25 €	4
FARO X3 1500-75	111540460015	4260374013914	4000 K	6.800	46	75°	1500 x 104 x 57 (77)	181,25 €	4
FARO X3 1500-140 DALI	111550460012	4260374013945	5000 K	7.000	46	140°	1500 x 104 x 57 (77)	197,92 €	4
FARO X3 1500-140 DALI	111540460014	4260374013969	4000 K	7.000	46	140°	1500 x 104 x 57 (77)	197,92 €	4
FARO X3 800-140	110850230020	4260374014058	5000 K	3.500	23	140°	800 x 104 x 57 (77)	156,25 €	4
FARO X3 800-75	110850230021	4260374014065	5000 K	3.400	23	75°	800 x 104 x 57 (77)	156,25 €	4
FARO X3 1500-140 MOTION	111550460130	4260374016953	5000 K	7.000	46	140°	1.530 x 104 x 63 (83)	197,92 €	4
FARO X3 1500-140 MOTION	111540460134	4260374017332	4000 K	7.000	46	140°	1.530 x 104 x 63 (83)	197,92 €	4
FARO X3 HTS 1500-140 DALI	111550650068	4260374015758	5000 K	8.500	65	140°	1500 x 104 x 57 (77)	310,42 €	4
FARO X3 HTS 1500-75 DALI	111550650067	4260374015741	5000 K	8.500	65	75°	1500 x 104 x 57 (77)	310,42 €	4


 Scope of delivery: incl. 2x mounting clip and cable gland M20

Accessories	Art.-Nr.	EAN	L x W x H mm	Gross Price	PU
 Top Entry end cap for rear cable entry 2 x end cap 2 x holder with higher frame 1 x pressure equalisation membrane 1 x M20 cable gland 2 x M16 cable gland	471100660060	4260374017059		26,04 €	80
 cord suspension 1 x 2m	724786020029	4260374015260	2000	11,46 €	6
 mounting plate for 2-3 luminaires	474459060033	4260374014751	418 x 222 x 10	52,08 €	1

DeLUX SPLASH

Produkt	Art.-Nr.	EAN		lm	Watt	△°	L x W x H in mm	Gross Price	VE
DeLUX SPLASH 1500	151540500006	4260374012825	4000 K	5.000	36	120°	1552 x 63 x 75 (81)	72,92 €	9
DeLUX SPLASH 1200	151240400131	4260374016977	4000 K	4.200	30	120°	1.252 x 63 x 75 (81)	61,46 €	9

 Scope of delivery: incl. 2x mounting clip

Accessories	Art.-Nr.	EAN	L x W x H mm	Gross Price	PU
 cord suspension 1 x 2m	724786020029	4260374015260	2000	11,46 €	6



Special luminaires

With our special luminaires, we have the perfect solution when it comes to illuminating application areas with extreme environmental influences. With the maximum protection class of up to IP 69, we offer products that have high lighting quality and easy installation with mechanical, thermal and chemical resistance.

7PROOF	62
Resistance chart	66
IndustryLUX RESIST	68
IndustryLUX HT	72
Order overview	76

More special luminaires

IndustryLUX TUBOLA X	47
IndustryLUX FARO X3 HTS	53
IndustryLUX LANARA 2.0 S	84

5 Years
Guarantee

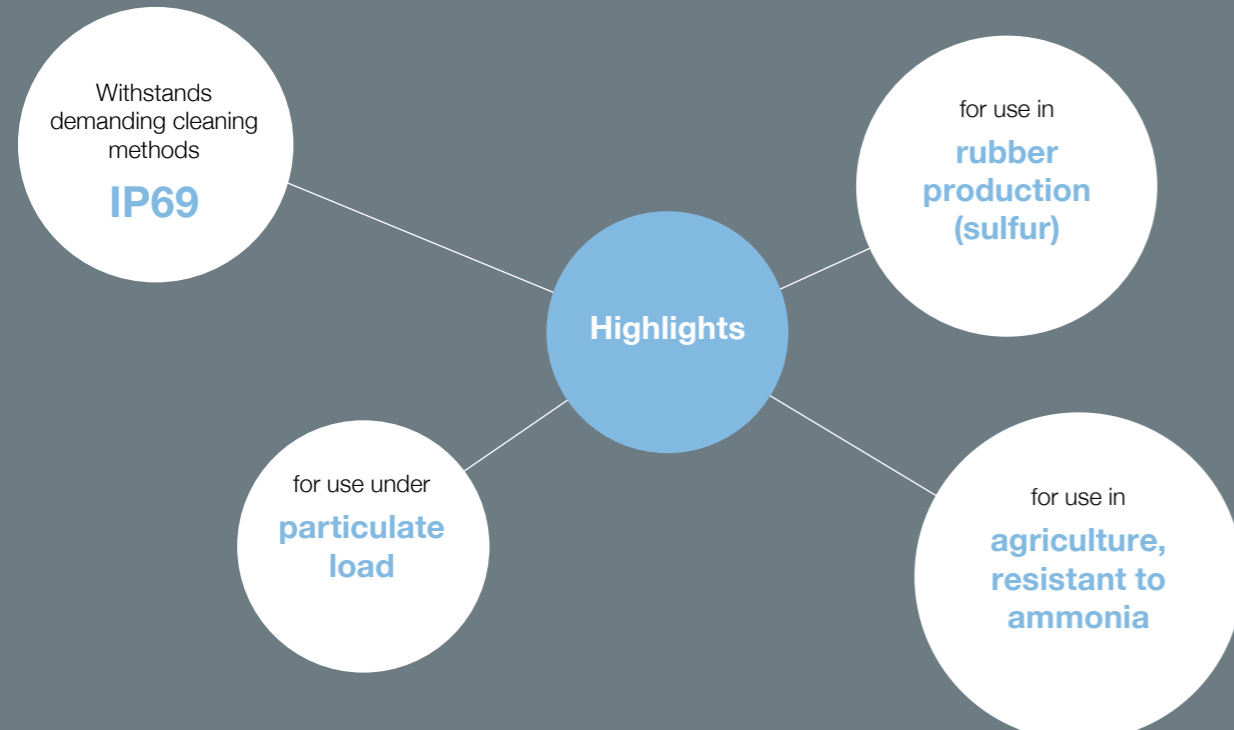


LED high resistance luminaire

7PROOF

Areas of application

- Waste disposal
- Sewage treatment plants
- Cold and wet rooms
- Food industry
- Agriculture and animal husbandry
- Hospitals



Technical data

Light flux	6.000 lm
Power consumption	40 W
Luminous efficiency	150 lm/W
Beam angle	130°
Light colour	3000 5000 K
Switching cycles bf failure	> 500.000
Colour reproduction CRI (Ra)	> 83
Colour consistency	< 5 SDCM
Lifespan	> 50.000 h [L80, W10]
Weight	0,8 kg
Input voltage	220 - 240 V AC/DC, 50/60 Hz
Operating temperature	-25°C to +50°C
Through-wiring	on demand
Connection	connection cable, 2 x 0,75 mm², length 2 m
UV-resistant	yes
Dimmable	DALI on demand
IP Code	IP 69
Impact resistance	IK 08
Applicable in the food sector	yes
Cover	diffuse
Housing colour	weiß
Housing material	PMMA
Luminaires per circuit breaker B10A	49
Luminaires per circuit breaker C10A	49
Luminaires per circuit breaker B16A	79
Luminaires per circuit breaker C16A	79
Suitable as emergency light	yes
Protection class	II

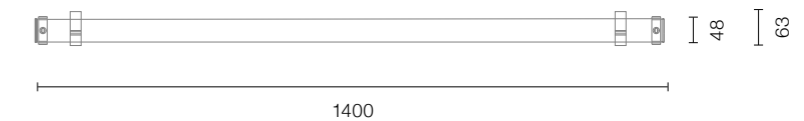
Special

MADE
IN GERMANY



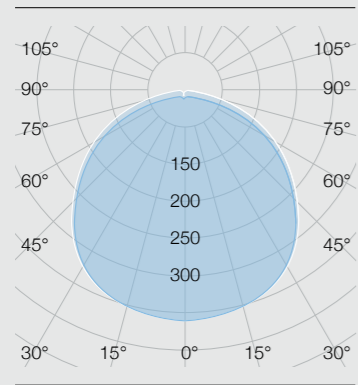
Dimensions L x Ø (H) in mm

1400 x Ø48 (63)



For detailed information, please refer to the ordering overview on page 76.

Polar distribution curve

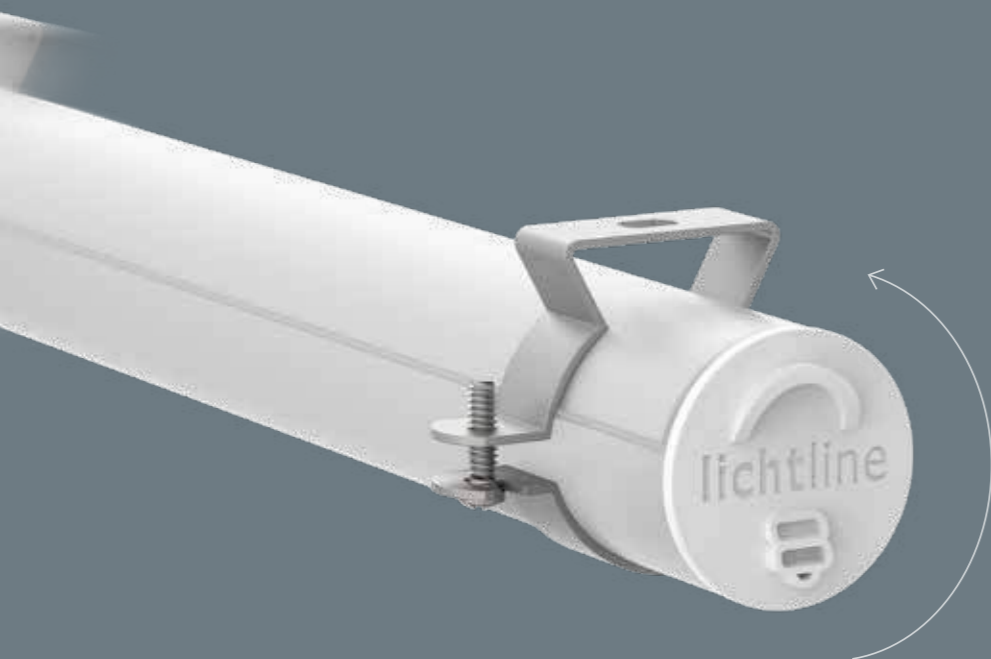
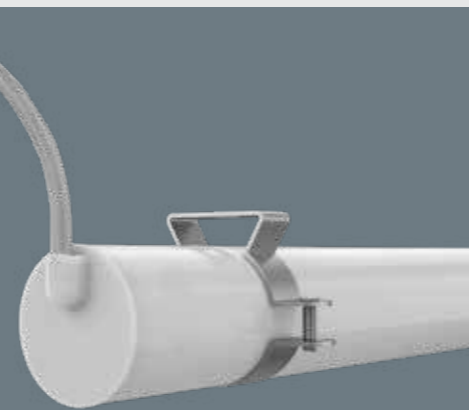


7PROOF 1400 PMMA

Mounting

Due to the **fastening clamps made of stainless steel** a simple and fast installation on the wall or ceiling is possible. Existing drill holes can be reused for the installation and the luminaire can be fastened over its entire length.

Alternatively, suitable fixing material according to the **industry standard Ø 50 mm** can be used.



360° rotatable

Direction of beam freely adjustable.

Flicker-free

Quality light

With the circumferential PMMA cover a homogeneous dispersion characteristic is favoured.

7 resistances against

- 1. Ammonia**
for use in agriculture
- 2. Aerosols**
for use in chemically contaminated environments
- 3. Heat**
for use up to 50°C ambient temperature
Disinfectants
- 4. Desinfectants**
for use in hospitals
- 5. Dust**
for use under particle load
- 6. Sulphur**
for use in rubber production
- 7. Water**
for use in high pressure or steam jet cleaning



Resistance chart

Detergents and disinfectants

Product/substance	restistance	description	duilution
Topactive 200	✓	detergent	4 %
P3-topax 990	✓	disinfectant	2 %
P3-topax 52	✓	detergent	
FREKA-NOL	✓	disinfectant	pur
P3-aquanta PA	✓	detergent	1 %
P3-topactive OKTO	✓	biocide	1 %
P3-hypochloran	✓	disinfectant	0,50 %
P3-liquid OS	✓	detergent	1 %
P3-topax 570	✓	detergent	
Calgonit SN 542	✓	detergent	2 %
Calgonit NF 401	○ max. dosage, longer duration	detergent	10 %
Calgonit CF 3135	✓	disinfectant	5 %
Calgonit CF 3005	✓	detergent	5 %
Calgonit DS 660	✓	detergent	5 %
Calgonit DS 683	✓	disinfectant	1,50 %

Resistance chart

Substance	Concentration	Short-term exposure (<10min)	Long-term exposure
Ethanol	50 %	✓	—
Ethylene glycol	100 %	✓*	—
Ethylene glycol (antifreeze)	50 %	✓	—
Glycerine	98 %	✓	✓
Formamide		○	○
Iso-octane	99,5 %	✓	—
Citric acid	10 %	✓*	—
Citric acid	38 %	✓*	—
Acetic acid	5 %	✓	○
Oxalic acid	8,7 %	✓*	—
Phosphoric acid	10 %	✓*	—
Phosphoric acid	50 %	✓*	—
Hydrochloric acid	10 %	✓*	—
Sulphuric acid	3 %	✓	—
Sulphuric acid	30 %	✓	—
Tartaric acid	50 %	✓*	—
Ammonia solution	10 %	✓	✓

✓ resistant ○ limitedly resistant — not resistant *resistant with PVC-cable-version

Substance	Concentration	Short-term exposure (<10min)	Long-term exposure
Ammonia solution	25 %	✓	✓
Caustic soda lye	1 %	✓	✓
Caustic soda	10 %	✓	✓
Caustic soda	30 %	✓	✓
Aluminium chloride	42 %	✓	○
Iron(II) sulphate	21 %	✓	○
Iron(III) chloride	48 %	✓	○
Potassium aluminium sulphate (alum)	5 %	✓	○
Potassium carbonate (potash)	50 %	✓	✓
Potassium chloride	25 %	✓*	✓*
Potassium nitrate	24 %	✓	○
Potassium permanganate	6 %	✓*	○*
Potassium sulphate	10 %	✓	○
Copper sulphate	17 %	✓	○
Magnesium sulphate	21 %	✓*	○*
Sodium carbonate (soda ash)	2 %	✓*	○*
Sodium carbonate (soda ash)	20 %	✓*	○*
Sodium chloride (common salt)	10 %	✓	○
Sodium phosphate	20 %	✓	○
Sodium dihydrogen phosphate	50 %	✓	○
disodium hydrogen phosphate	8,5 %	✓	○
Sodium hydrogen sulphate	40 %	✓	○
Sodium nitrate	45 %	✓*	○*
Sodium sulphate (Glauber salt)	25 %	✓*	○*
Sodium chlorate	49 %	✓*	○*
Sodium thiosulfate	41 %	✓*	○*
Zinc chloride	50 %	✓*	○*
Zinc sulphate	35 %	✓*	○*
Urea	51 %	✓*	○*
Hydroquinone	6,7 %	✓*	—
Hydrogen peroxide (perhydrol)	3 %	✓*	○*
Hydrogen peroxide	30 %	✓*	○*
Sodium hypochloride (bleaching lye)	12 %	✓*	○*
Water, fully desalinated		✓	✓
Paraffin, thin	100 %	✓	✓
Sebacic acid bis-2-ethylhexyl ester (dioctylsebacate)		✓	○
Castor oil		✓	○
Soybean oil		✓	○
Carbon dioxide		✓	✓
Boric acid	100 %	✓*	✓*
Calcium chloride	40 %	✓	✓
Transmission oil		✓	✓
Cutting oil (lubricating oil)		✓	✓

✓ resistant ○ limitedly resistant — not resistant *resistant with PVC-cable-version

Information without guarantee. Individual cases and compositions of different substances can change the resistance. We would be pleased to provide you with an itemised proof of resistance on request.

IndustryLUX RESIST

5 Years
Guarantee



Areas of application

Food and Beverage industry
Meat processing plants
Industrial bakeries
Canteens

Foodready

Applicable in the food industry

resistant to **high-pressure cleaning** and common **cleaning agents**

Highlights

up to **174 lm/W**
highly efficient

High bay luminaires
IP69

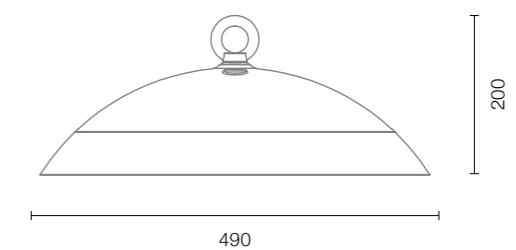
impact and corrosion resistant

Technical data

Light flux	up to 20.000 lm
Power consumption	115 W
Luminous efficiency	up to 174 lm/W
Beam angle	30° 90°
Light colour	5000 K
Switching cycles bf failure	> 500.000
Colour reproduction CRI (Ra)	< 80
Colour consistency	< 5 SDCM
Lifespan	> 50.000 h [L80, W10]
Weight	7,3 kg
Input voltage	100 - 240 V AC/DC, 50/60 Hz
Operating temperature	-30°C to +55°C
Through-wiring	no
Connection	connection cable, 3 x 1,0 mm ² , length 1,5 m
UV-resistant	yes
Dimmable	DALI on demand
IP Code	IP 69
Impact resistance	IK 10
Applicable in the food sector	yes
Cover	clear
Housing colour	grey
Housing material	aluminium & PC
Luminaires per circuit breaker	3
Luminaires per circuit breaker	5
Luminaires per circuit breaker	5
Luminaires per circuit breaker	9
Suitable as emergency light	on demand
Protection class	I

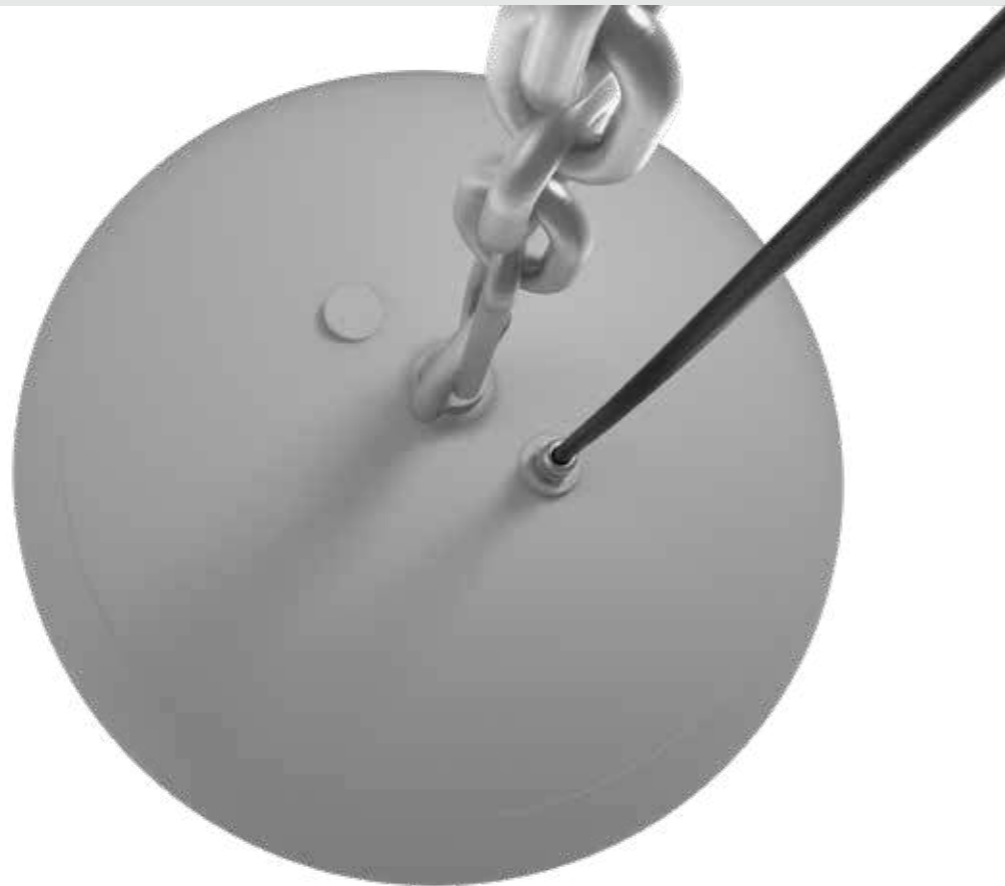
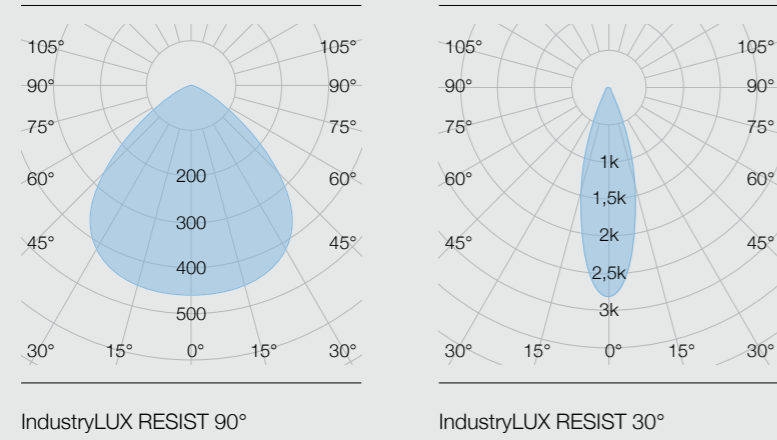
Dimensions Ø x H in mm

Ø490 x 200



Detailed information can be found in the order overview on page 76.

Polar distribution curve



Flexibel

Can also be used for **great heights**.

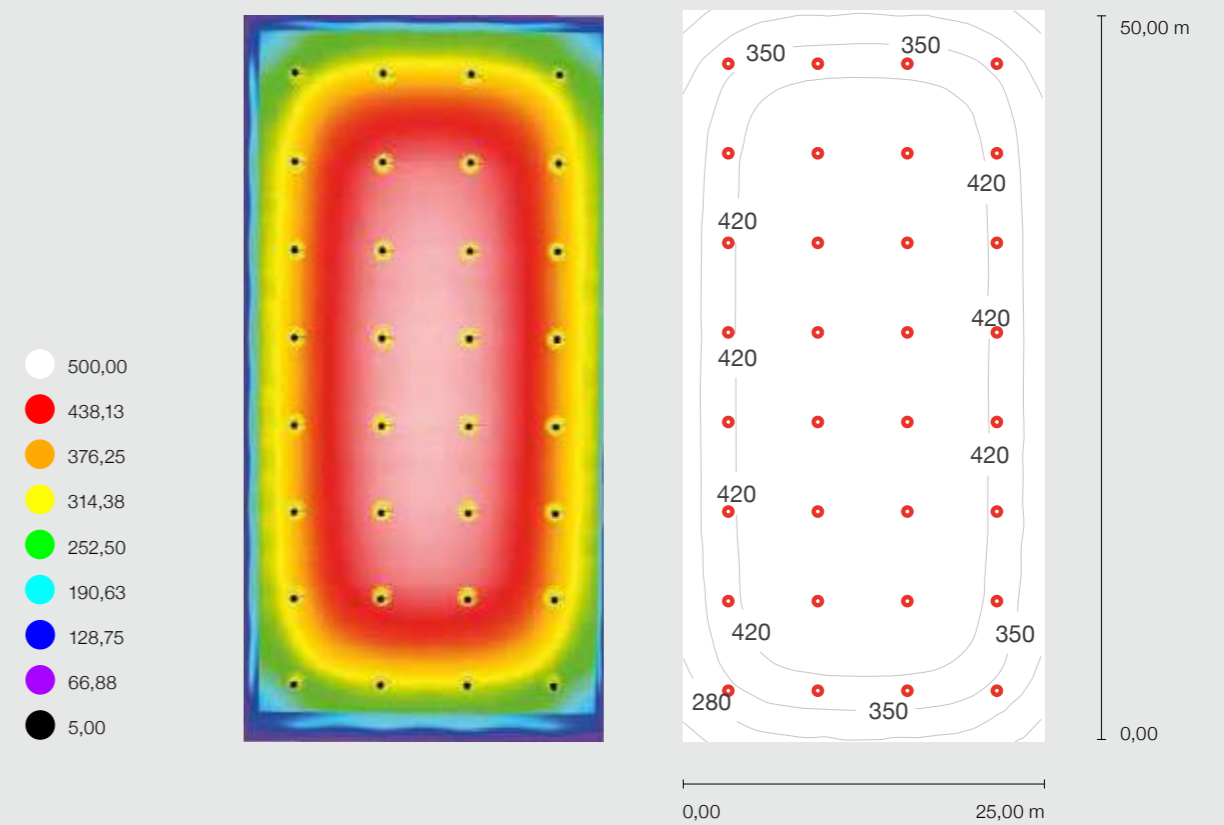
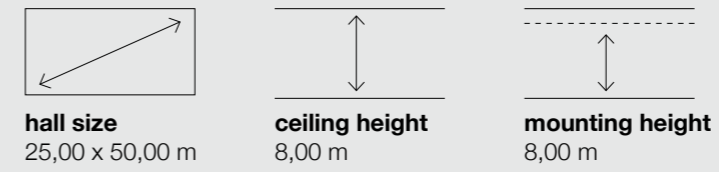
Foodready

The IndustryLUX RESIST is **unbreakable** and **particularly easy to clean** thanks to its smooth surface structure.

Resistant

Resistant to **high-pressure cleaners** and common cleaning agents. Thus excellently suited for use in the food sector.

Lighting calculation example



	E_m [lx]	g_1
working plane	411	0,443

Luminaires list

name	piece	ϕ (luminaire) [lm]	total [lm]	P [W]	total P (W)
IndustryLUX RESIST 90°	32	20.000	640.000	115	3.680

5 Years
Guarantee

IndustryLUX HT

160-220

Ill. shows IndustryLUX HT 160-220 with AL-screen 80°



AL-screen 80°

AL-screen 100°

AL-screen 120°

Highlights

>80.000 h
lifespan
[L80, B10]

Retrolook
with current
technology

Emission
of screens
**individually
selectable**

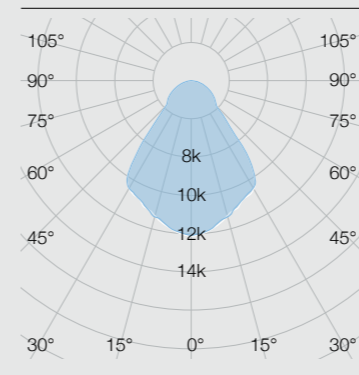
up to
29.000 lm

permanently
operatable at
**70°C ambient
temperature**

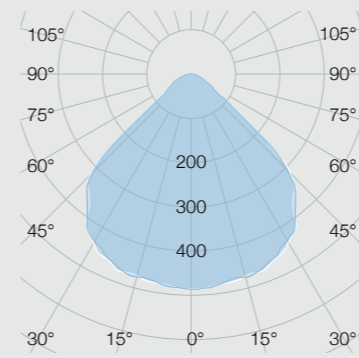
Areas of application
Ironworks
Glassworks
Foundries



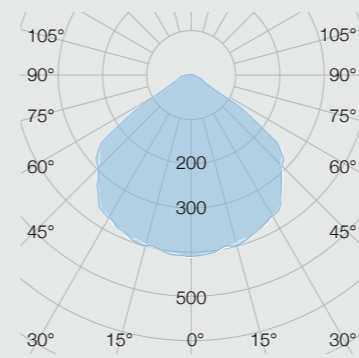
Polar distribution curve



IndustryLUX HT AL 80°



IndustryLUX HT AL 100°



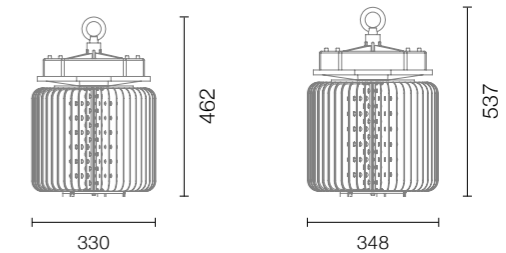
IndustryLUX HT AL 120°

Technical data

Light flux	up to 29.000 lm
Power consumption	160 - 220 W
Luminous efficiency	up to 132 lm/W
Beam angle	80° 100° 120°
Light colour	5000 K
Switching cycles bf failure	> 500.000
Colour reproduction CRI (Ra)	< 80
Colour consistency	< 5 SDCM
Lifespan	> 80.000 h [L80, W10]
Weight	10,7 16,4 kg
Input voltage	220 - 240 V AC/DC, 50/60 Hz
Operating temperature	-30°C to +70°C
Through-wiring	no
Connection	connection cable, 3 x 1,0 mm², length 1,5 m
UV-resistant	yes
Dimmable	DALI on demand
IP Code	IP65
Impact resistance	IK06
Applicable in the food sector	no
Cover	clear
Housing colour	aluminium
Housing material	aluminium & glas
Luminaires per circuit breaker	2 (160 W) 1 (200 W)
Luminaires per circuit breaker	3 2
Luminaires per circuit breaker	4 3
Luminaires per circuit breaker	6 4
Suitable as emergency light	on demand
Protection class	I

Dimensions Ø x H in mm

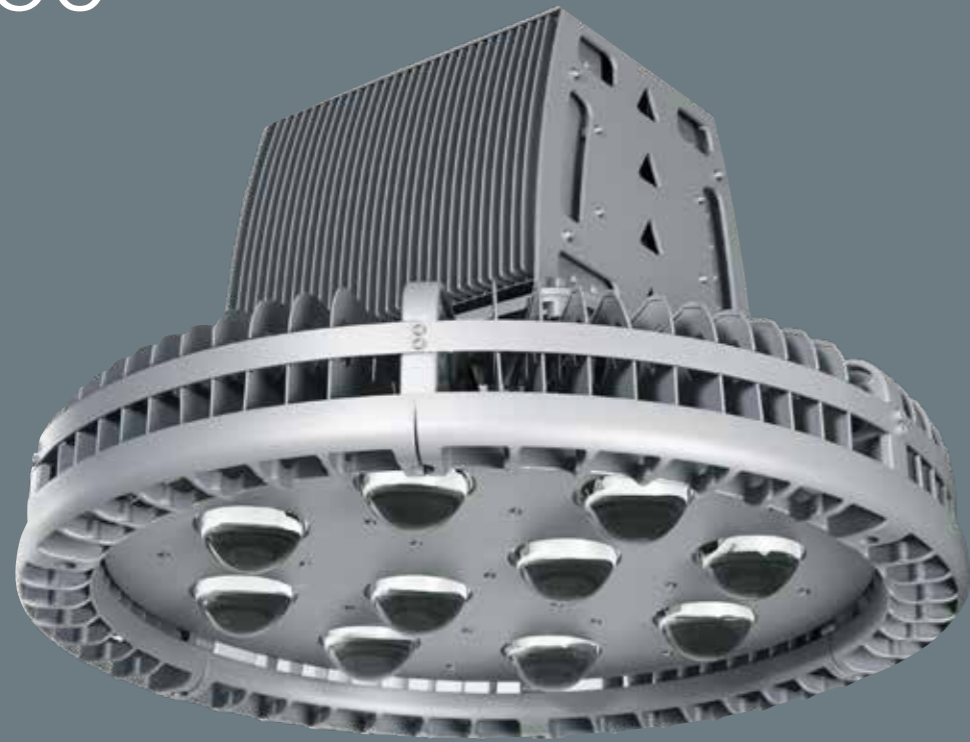
Ø330 x 462
Ø348 x 537



Detailed information can be found in the order overview on page 77.

5 Years
Guarantee

IndustryLUX HT 350



Extremely
robust and
reliable

extensive
illumination due to
**clever lens
design**

Highlights

Areas of application

Ironworks
Glassworks
Foundries

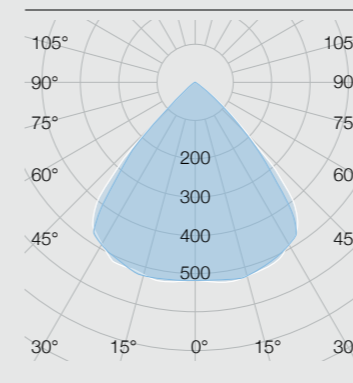
47.000 lm

permanently
operatable at
**70°C ambient
temperature**

**>80.000 h
lifespan**
[L80, B10]



Polar distribution curve



IndustryLUX HT 350

Technical data

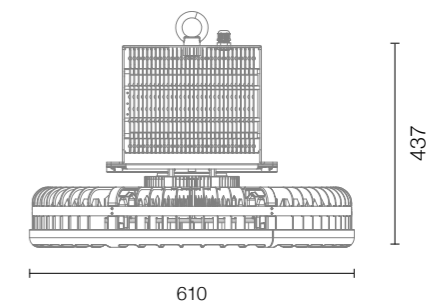
Light flux	47.000 lm
Power consumption	350 W
Luminous efficiency	134 lm/W
Beam angle	80°
Light colour	5000 K
Switching cycles bf failure	> 500.000
Colour reproduction CRI (Ra)	< 80
Colour consistency	< 5 SDCM
Lifespan	> 80.000 h [L80, W10]
Weight	26,4 kg
Input voltage	220 - 240 V AC/DC, 50/60 Hz
Operating temperature	-30°C to +70°C
Through-wiring	no
Connection	connection cable, 3 x 1,0 mm², length 1,5 m
UV-resistant	yes
Dimmable	DALI on demand
IP Code	IP65
Impact resistance	IK06
Applicable in the food sector	no
Cover	clear
Housing colour	aluminium
Housing material	aluminium & glas
Luminaires per circuit breaker	1
Luminaires per circuit breaker	2
Luminaires per circuit breaker	3
Luminaires per circuit breaker	4
Suitable as emergency light	on demand
Protection class	I

Special




Dimensions Ø x H in mm

Ø610 x 437




Detailed information can be found
in the order overview on page 77.

7PROOF

Product	Art.-Nr.	EAN		lm	Watt	Δ°	L x W x H in mm	Gross Price	PU
7PROOF 1400 PMMA	821450400038	4260374014478	5000 K	6.000	40	130°	1400 x Ø48 (63)	206,25 €	6
7PROOF 1400 PMMA	821430400048	4260374014805	3000 K	6.000	40	130°	1400 x Ø48 (63)	206,25 €	6


 Scope of delivery: incl. 2x mounting clip; DALI on request




IndustryLUX RESIST




Product	Art.-Nr.	EAN		lm	Watt	Δ°	L x W x H in mm	Gross Price	PU
RESIST 115-90	435090110043	4260374014669	5000 K	20.000	115	90°	Ø490 x 200	622,92 €	1
RESIST 115-30	435030110042	4260374014652	5000 K	18.600	115	30°	Ø490 x 200	622,92 €	1

 DALI on demand

IndustryLUX HT

Product	Art.-Nr.	EAN		lm	Watt	Ø x H mm	Gross Price	PU
IndustryLUX HT 160	435070160051	4260374015819	5000 K	max. 23.000	160	Ø330 x 462	1.310,42 €	1
IndustryLUX HT 220	435070220052	4260374015826	5000 K	max. 31.500	220	Ø348 x 537	1.872,92 €	1
IndustryLUX HT 350	435070350053	4260374015833	5000 K	47.000	350	Ø610 x 437	3.322,92 €	1

Accessories	HT 160	Art.-Nr.	EAN	Δ°	Ø x H mm	Gross Price	PU
	IndustryLUX screen AL 80°	430200008000	4260292193484	80°	Ø395 x 238	72,92 €	1
	IndustryLUX screen AL 100°	430200001000	4260292193491	100°	Ø602 x 258	81,25 €	1
	IndustryLUX screen AL 120°	430200001200	4260292196386	120°	Ø500 x 158	81,25 €	1

Accessories	HT 220	Art.-Nr.	EAN	Δ°	Ø x H mm	Gross Price	PU
	IndustryLUX screen AL 80°	430200008001	4260374010531	80°	Ø500 x 305	72,92 €	1
	IndustryLUX screen AL 100°	430200001001	4260374010548	100°	Ø588 x 188	81,25 €	1
	IndustryLUX screen AL 120°	430200001201	4260374010555	120°	Ø561 x 124	81,25 €	1



Hall surface & High bay luminaires

In order to illuminate effectively and safely, we have designed our high bay luminaires for a long service life of all components. The quick installation makes our range of high bay luminaires to the ideal solution for spacious and high rooms.

IndustryLUX LANARA 2.0 _____	80
IndustryLUX LANARA ROUND _____	86
IndustryLUX RODALIS _____	88
IndustryLUX RODALIS ECO _____	90
IndustryLUX RODALIS PRO _____	92
IndustryLUX HEMERA _____	96
IndustryLUX _____	98
Order overview _____	102

IndustryLUX

LANARA 2.0

5 Years
Guarantee



Areas of application
Sports halls
Industrial / logistics halls
Tire production
Tire warehouse

also as
sulfur-resistant
LANARA 2.0 S

**fast
toolless
assembly due**
to enclosed clips

Highlights

powerful light
of up to
150 lm/W

ball proof

**pressure
compensation**
per membrane

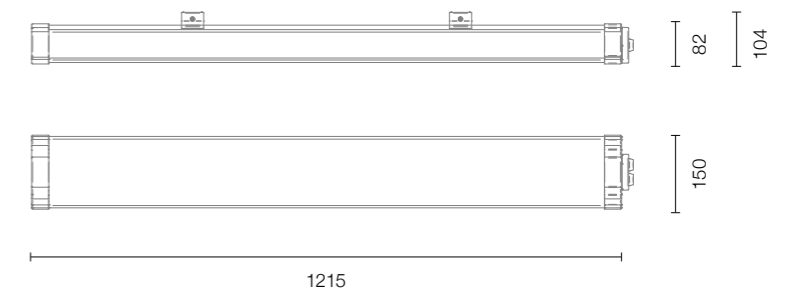
50 | 75 | 100%
dimming per
**DALI and
DIP-switch**

**maximal
light quality**
homogenous
illumination even
with low heights

Technical data	
Light flux	up to 22.500 lm
Power consumption	150 W
Luminous efficiency	up to 150 lm/W
Beam angle	110°
Light colour	5000 K
Switching cycles bf failure	> 500.000
Colour reproduction CRI (Ra)	> 83
Colour consistency	< 5 SDCM
Lifespan	> 50.000 h [L80, W10]
Weight	3,3 kg
Input voltage	220 - 240 V AC/DC, 50/60 Hz
Operating temperature	-20°C to +50°C
Through-wiring	7 x 2,5 mm ²
Connection	with connector, 5- and 2-pols
UV-resistant	yes
Dimmable	DALI & DIP-switch
IP Code	IP 65
Impact resistance	IK 08
Applicable in the food sector	yes
Cover	diffuse
Housing colour	black
Housing material	PC
Luminaires per circuit breaker	5
Luminaires per circuit breaker	8
Luminaires per circuit breaker	8
Luminaires per circuit breaker	14
Suitable as emergency light	yes
Protection class	II

Dimensions L x W x H in mm

1215 x 150 x 82 (104)



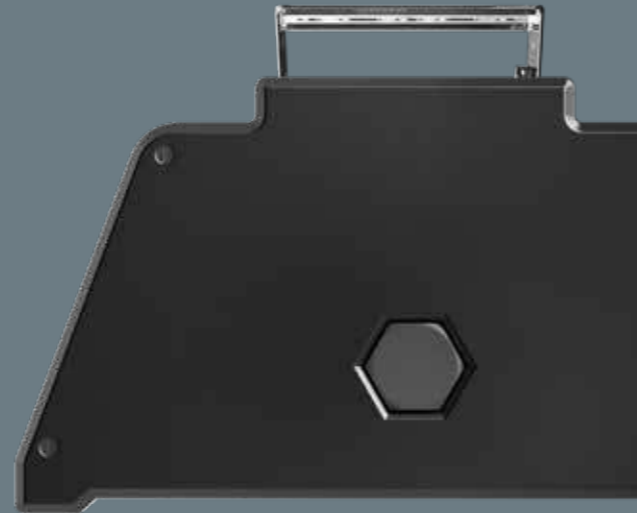
Detailed information can be found
in the order overview on page 102.

Quick mounting with Easy-Clip-System

Because of the enclosed mounting clips with locking screw, mounting on walls and ceilings is done in no time. The existing drill holes can be used for easy mounting and the luminaire can thus be flexibly fixed along its entire length. Alternatively, the supplied mounting brackets can be used for suspension.

Pressure compensation via membrane

In the event of rapid temperature changes in damp rooms, a special membrane prevents the formation of condensation.

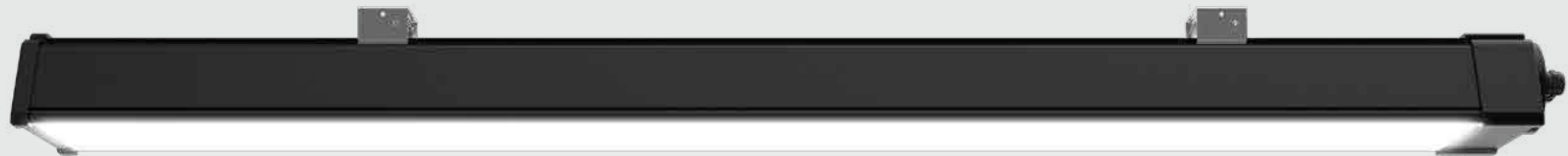


Accessories



Mounting plate

Combine up to three individual LANARA 2.0 for up to **67,500 lm.**



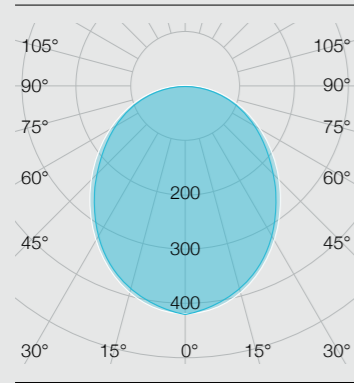
Ball proof

The Lanara 2.0 is also ideally suited for use in sports halls due to its robust body - completely without metal cage.

50 | 75 | 100%

Power also adjustable via DIP switch.

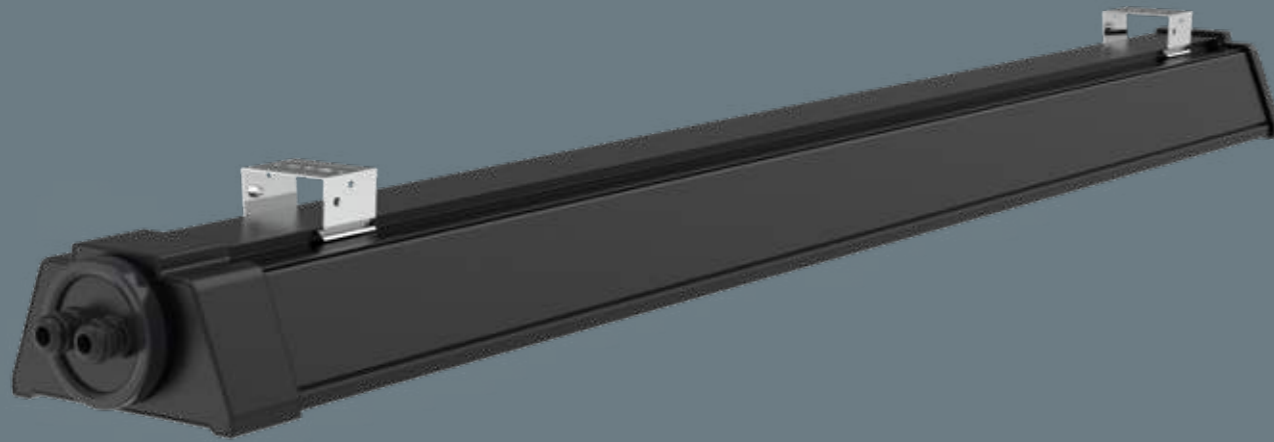
Polar distribution curve



IndustryLUX LANARA 2.0

Now even more resistant!

LANARA 2.0 S for safe use in sulfur-contaminated environments, e.g. in tire production.



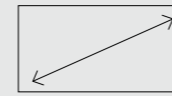
Through wiring on one side

Connection of up to 14 LANARA 2.0 per **LSS C 16A** via the double-level terminal block reduces installation costs.

Foodready

High-quality materials enable **time-saving and efficient cleaning**, making the LANARA 2.0 perfect for use in the food industry.

Lighting calculation example



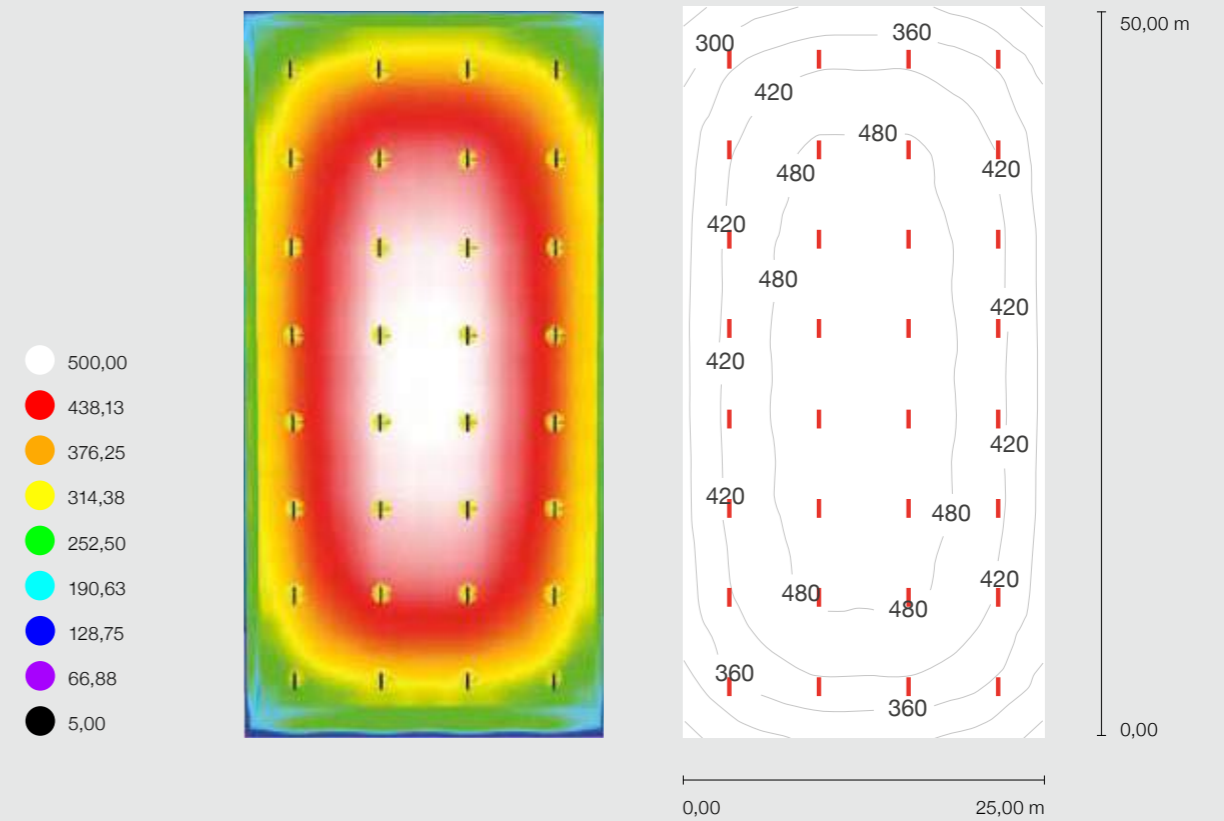
hall size
25,00 x 50,00 m



ceiling height
8,00 m



mounting height
8,00 m



	E_m [lx]	g_t
working plane	430	0,516

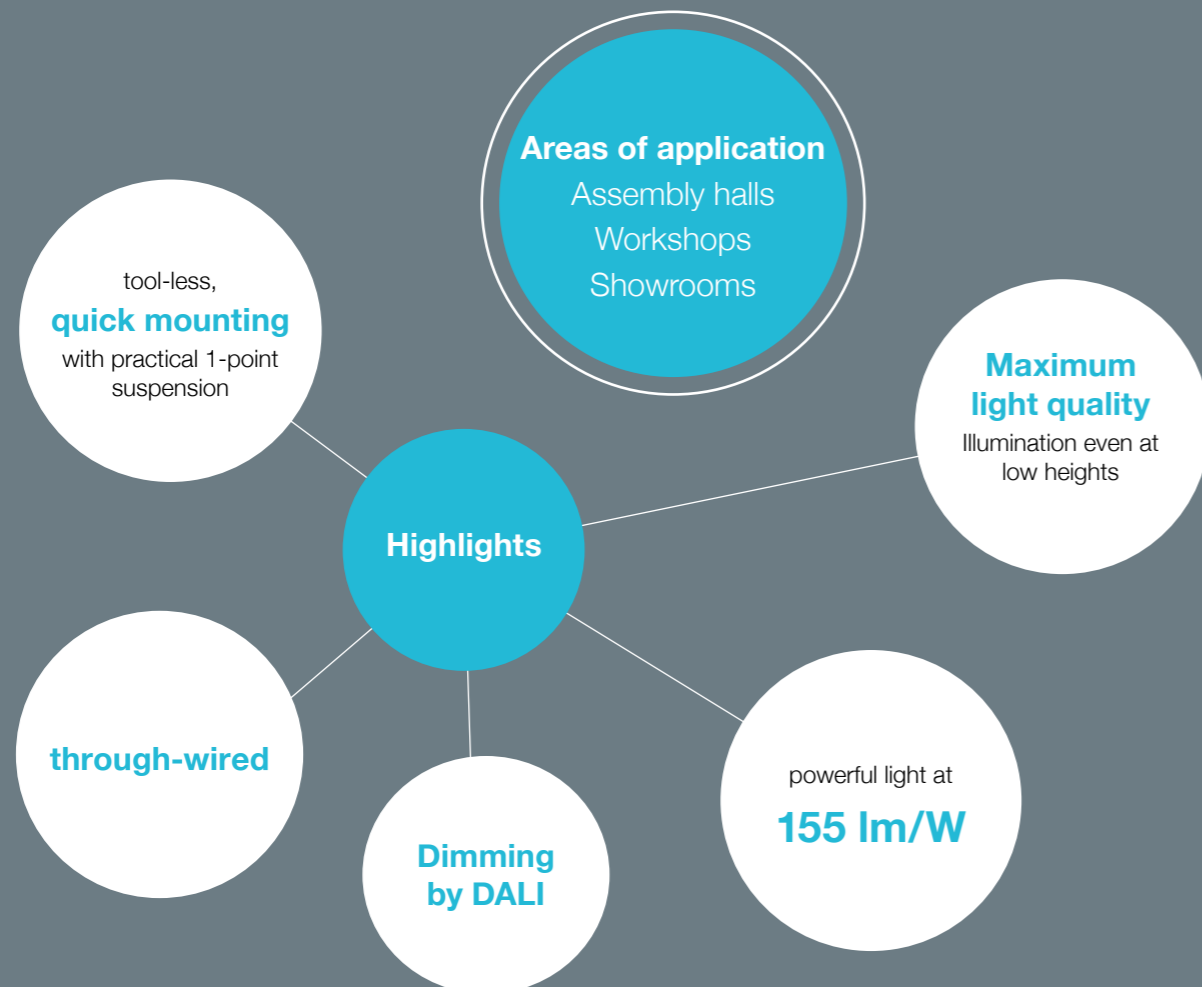
Leuchtenstückliste

name	piece	ϕ (luminaire) [lm]	total [lm]	P [W]	total P (W)
IndustryLUX LANARA 2.0	32	22.500	720.000	150	3.000

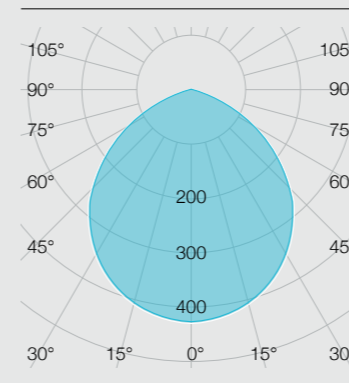
5 Years
Guarantee

IndustryLUX

LANARA ROUND



Polar distribution curve



IndustryLUX LANARA ROUND

Technical data

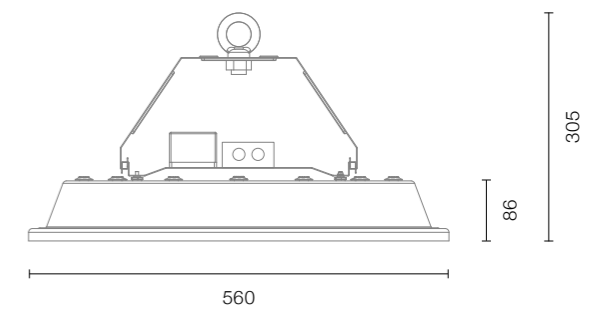
Light flux	22.500 lm
Power consumption	145 W
Luminous efficiency	155 lm/W
Beam angle	110°
Light colour	5000 K
Switching cycles bf failure	> 500.000
Colour reproduction CRI (Ra)	> 83
Colour consistency	< 5 SDCM
Lifespan	> 50.000 h [L80, W10]
Weight	4,4 kg
Input voltage	220 - 240 V AC/DC, 50/60 Hz
Operating temperature	-20°C to +50°C
Through-wiring	5-pole
Connection	with terminal, 5 and 2 pole
UV-resistant	yes
Dimmable	DALI
IP Code	IP 65
Impact resistance	IK 08
Applicable in the food sector	yes
Cover	diffuse
Housing colour	black
Housing material	PC
Luminaires per circuit breaker	8
Luminaires per circuit breaker	14
Luminaires per circuit breaker	13
Luminaires per circuit breaker	22
Suitable as emergency light	on demand
Protection class	II

hall



Dimensions Ø x H in mm

Ø560 x 86 (305)



Detailed information can be found in the order overview on page 102.

3 Years
Guarantee

IndustryLUX RODALIS



wide area illumination
even for great heights

performance optimized replacement
for conventional HQI / HQL

Highlights

>50.000 h [L80, B10]
thanks intelligent thermal management

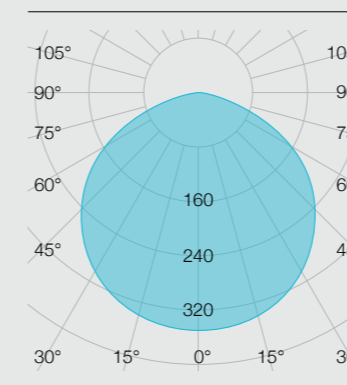
optionally with **DALI**

Areas of application

Warehouses /
Logistics halls
Workshops
Production halls



Polar distribution curve



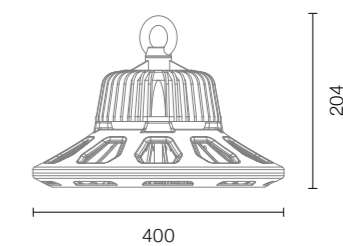
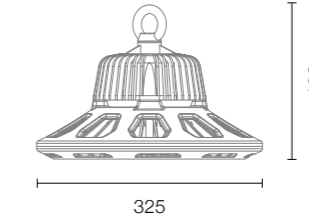
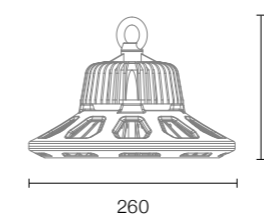
IndustryLUX RODALIS

Technical data

Light flux	up to 32.300 lm
Power consumption	100 - 230 W
Luminous efficiency	up to 143 lm/W
Beam angle	110°
Light colour	5000 K
Switching cycles bf failure	> 500.000
Colour reproduction CRI (Ra)	> 80
Colour consistency	< 5 SDCM
Lifespan	> 50.000 h [L80, W10]
Weight	2,4 - 4,9 kg
Input voltage	220 - 240 V AC/DC, 50/60 Hz
Operating temperature	-30°C to +45°C
Through-wiring	no
Connection	Connection cable, 3 x 1.0 mm², Length: 0.5 m
UV-resistant	yes
Dimmable	DALI optional
IP Code	IP 65
Impact resistance	IK 08
Applicable in the food sector	no
Cover	clear
Housing colour	black
Housing material	aluminium & PC
Luminaires per circuit breaker	6 (100W) 13 (150W) 9 (230W)
Luminaires per circuit breaker	10 13 9
Luminaires per circuit breaker	9 21 14
Luminaires per circuit breaker	16 21 14
Suitable as emergency light	on demand
Protection class	I

Dimensions Ø x H in mm

Ø260 x 178
Ø325 x 188
Ø400 x 204



Detailed information can be found in the order overview on page 102.

3 Years
Guarantee

IndustryLUX

RODALIS ECO



inexpensive & performance optimized replacement

for conventional HQI / HQL

wide area illumination

even for great heights

Highlights

>50.000 h [L80, B10]

thanks intelligent thermal management

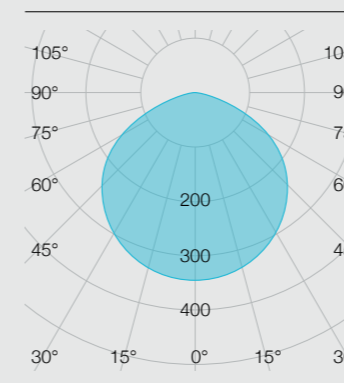
High bay luminaires IP65

Application areas

Warehouses /
Logistics halls
Workshops
Production halls



Polar distribution curve



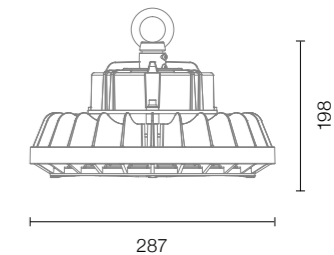
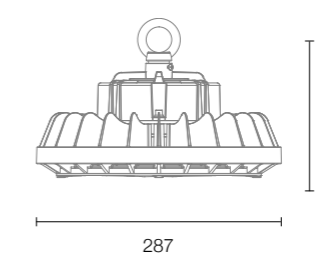
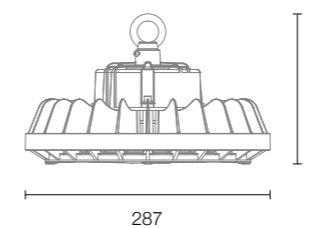
IndustryLUX RODALIS ECO

Technical data

Light flux	up to 26.000 lm
Power consumption	98 - 195 W
Luminous efficiency	up to 137 lm/W
Beam angle	120°
Light colour	5000 K
Switching cycles bf failure	> 500.000
Colour reproduction CRI (Ra)	> 80
Colour consistency	< 5 SDCM
Lifespan	> 50.000 h [L80, W10]
Weight	3,4 - 4,2 kg
Input voltage	220 - 240 V AC/DC, 50/60 Hz
Operating temperature	-30°C to +45°C
Through-wiring	no
Connection	connection cable, 3 x 1,0 mm², length 1,5 m
UV-resistant	yes
Dimmable	no
IP Code	IP 65
Impact resistance	IK 08
Applicable in the food sector	no
Cover	clear
Housing colour	black
Housing material	aluminium & PC
Luminaires per circuit breaker	3 (98 W) 2 (145 W) 2 (195 W)
Luminaires per circuit breaker	5 3 3
Luminaires per circuit breaker	4 3 3
Luminaires per circuit breaker	8 5 5
Suitable as emergency light	on demand
Protection class	I

Dimensions Ø x H in mm

Ø287 x 169
Ø287 x 186
Ø287 x 198



Detailed information can be found in the order overview on page 102.

5 Years
Guarantee



IndustryLUX

RODALIS PRO



up to
196 lm/W

highly efficient & power optimized replacement
for conventional HQI / HQL

Highlights

>50.000 h [L80, B10]
thanks intelligent thermal management

High bay luminaires IP65

Application areas

Warehouses /
Logistics halls
Workshops
Production halls

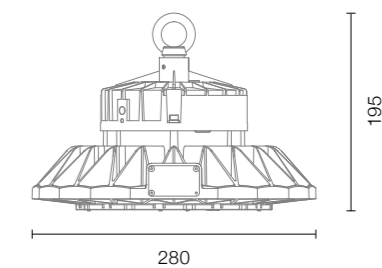
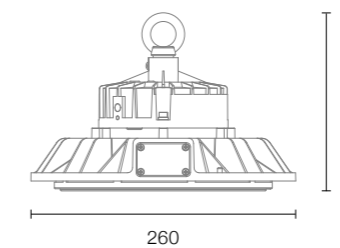
Wide-area illumination
even for great heights

Technical data

Light flux	up to 33.500 lm
Power consumption	80 - 200 W
Luminous efficiency	up to 196 lm/W
Beam angle	120°
Light colour	5000 K
Switching cycles bf failure	> 500.000
Colour reproduction CRI (Ra)	> 80
Colour consistency	< 5 SDCM
Lifespan	> 50.000 h [L80, W10]
Weight	2,7 - 3,1 kg
Input voltage	220 - 240 V AC/DC, 50/60 Hz
Operating temperature	-30°C to +50°C
Through-wiring	no
Connection	connection cable, 3 x 1,0 mm², length 0,5 m
UV-resistant	yes
Dimmable	no
IP Code	IP 65
Impact resistance	IK 08
Applicable in the food sector	no
Cover	clear
Housing colour	black
Housing material	aluminium & PC
Luminaires per circuit breaker	3 (80 W) 4 (120 W) 6 (200 W)
Luminaires per circuit breaker	6 8 10
Luminaires per circuit breaker	5 7 10
Luminaires per circuit breaker	9 12 17
Suitable as emergency light	on demand
Protection class	I

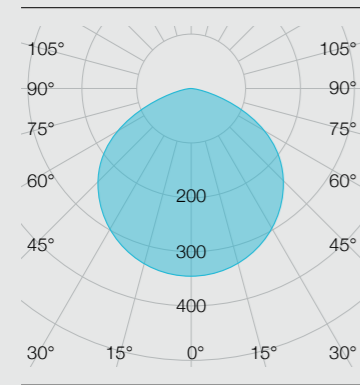
Dimensions Ø x H in mm

Ø260 x 180
Ø280 x 195



Detailed information can be found in the order overview on page 103.

Lichtverteilungskurve



IndustryLUX RODALIS PRO

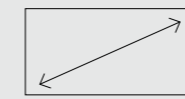
Light intensive upgrade

By replacing conventional HQI / HQL light sources with the IndustryLUX Rodalis Pro, **you save up to 80% on energy costs.**

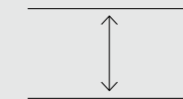


IndustryLUX RODALIS PRO 80	80 W	replaces	400 W HQL	250 W HQI
IndustryLUX RODALIS PRO 120	120 W	replaces	700 W HQL	400 W HQI
IndustryLUX RODALIS PRO 200	200 W	replaces	1.000 W HQL	

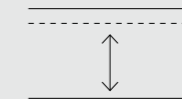
Lighting calculation example



hall size
25,00 x 50,00 m

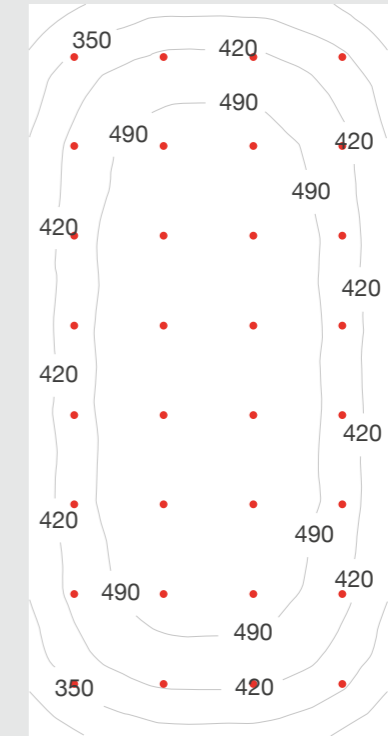
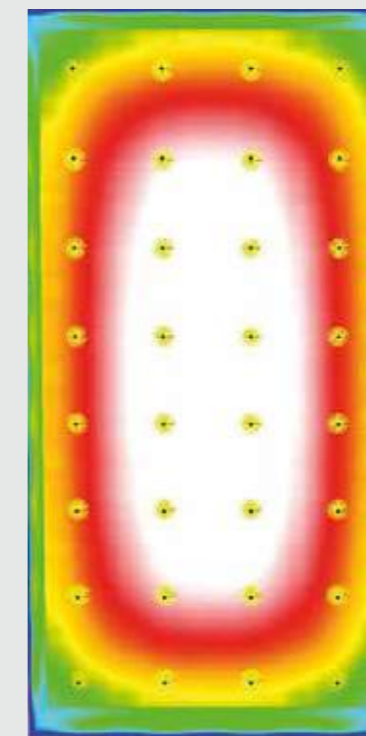


ceiling height
6,00 m



mounting height
6,00 m

- 500,00
- 438,13
- 376,25
- 314,38
- 252,50
- 190,63
- 128,75
- 66,88
- 5,00



	E_m [lx]	g_1
working plane	456	0,502

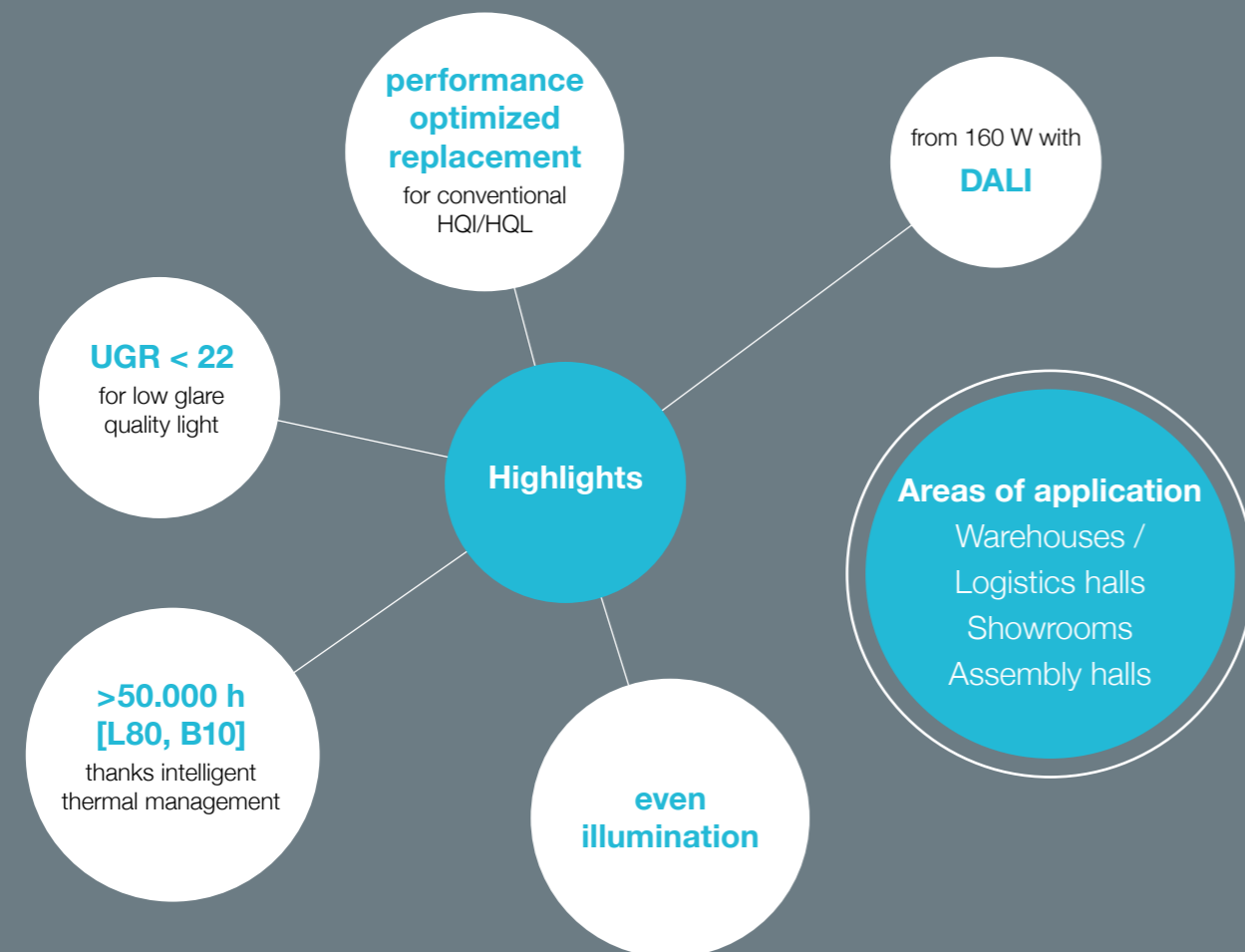
Luminaires list

name	piece	ϕ (luminaire) [lm]	total [lm]	P [W]	total P (W)
IndustryLUX RODALIS PRO	32	23.500	751.992	120	3.840

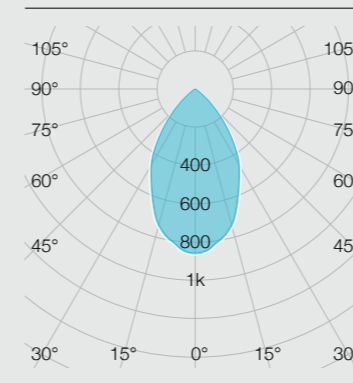
5 Years
Guarantee

IndustryLUX

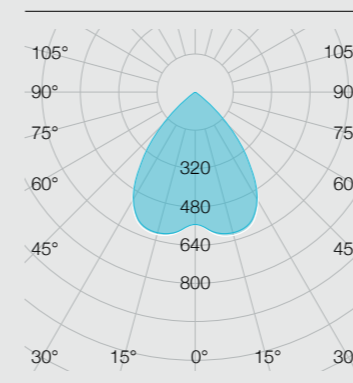
HEMERA



Polar distribution curve



IndustryLUX HEMERA 60°



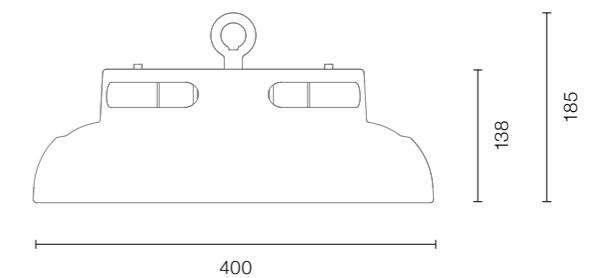
IndustryLUX HEMERA 80°

Technical data

Light flux	up to 22.500 lm
Power consumption	85 - 160 W
Luminous efficiency	up to 141 lm/W
Beam angle	60° 80°
Light colour	5000 K
Switching cycles bf failure	> 500.000
Colour reproduction CRI (Ra)	> 83
Colour consistency	< 4 SDCM
Lifespan	> 50.000 h [L80, W10]
Weight	4,5 - 5,1 kg
Input voltage	100 - 240 V AC/DC, 50/60 Hz
Operating temperature	-30°C to +55°C
Through-wiring	no
Connection	Cable, 3 x 1,0 mm ² , 0,2 m Cable, 3 x 1.0 mm ² + 2 x 1.0 mm ² , 0,2 m (DALI)
UV-resistant	yes
Dimmable	DALI
IP Code	IP 65
Impact resistance	IK 08
Applicable in the food sector	no
Cover	clear
Housing colour	black
Housing material	aluminium & PC
Luminaires per circuit breaker	24 (85 W) 21 (100 W) 13 (160 W)
Luminaires per circuit breaker	24 21 13
Luminaires per circuit breaker	39 33 21
Luminaires per circuit breaker	39 33 21
Suitable as emergency light	on demand
Protection class	I

Dimensions Ø x H in mm

Ø400 x 138 (185) mm



Detailed information can be found in the order overview on page 103.

5 Years
Guarantee



IndustryLUX 034 – 164

IndustryLUX 205 – 375

IndustryLUX



III. shows IndustryLUX with PC-screen 80°

Radiation via screens
individually adjustable

7
Performance levels

long service life
due to proven thermal management

Highlights

up to
44.800 lm

current technology in
Retrolook

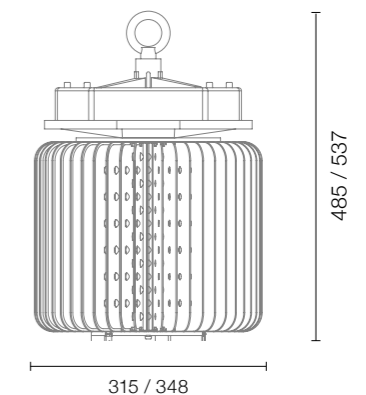
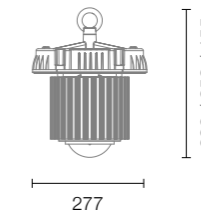
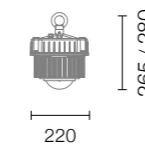
Application areas
Construction market
Car dealerships
Modern architecture
Fitness studios
Canteens

Technical data

Light flux	up to 44.800 lm
Power consumption	30 - 310 W
Luminous efficiency	up to 147 lm/W
Beam angle	80° 100° 120°
Light colour	5000 K
Switching cycles bf failure	> 500.000
Colour reproduction CRI (Ra)	< 80
Colour consistency	< 5 SDCM
Lifespan	> 50.000 h [L80, W10]
Weight	4,2 - 16,4 kg
Input voltage	220 - 240 V AC/DC, 50/60 Hz
Operating temperature	-30 to +50°C
Through-wiring	no
Connection	Connection cable, 3 x 1.0 mm², Length: 1.5 m
UV-resistant	yes
Dimmable	no
IP Code	IP 65
Impact resistance	IK 06
Applicable in the food sector	no
Cover	clear
Housing colour	aluminium
Housing material	aluminium & PC glas
Luminaires per circuit breaker	2 2 3 3 2 1 1
Luminaires per circuit breaker	3 3 5 5 4 3 3
Luminaires per circuit breaker	3 3 4 5 3 2 2
Luminaires per circuit breaker	6 6 8 8 6 4 4
Suitable as emergency light	on demand
Protection class	I

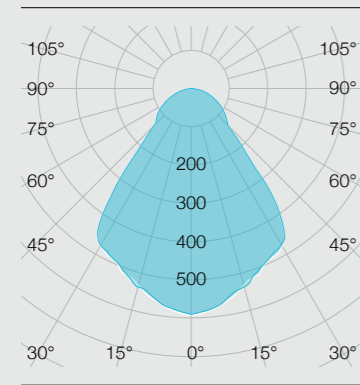
Dimensions Ø x H in mm

- Ø220 x 265
- Ø220 x 280
- Ø277 x 328
- Ø277 x 353
- Ø 277 x 455
- Ø 315 x 485
- Ø 348 x 537

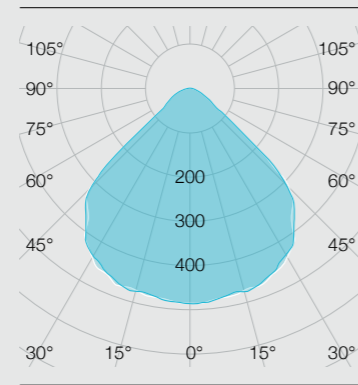


Detailed information can be found in the order overview on page 104.

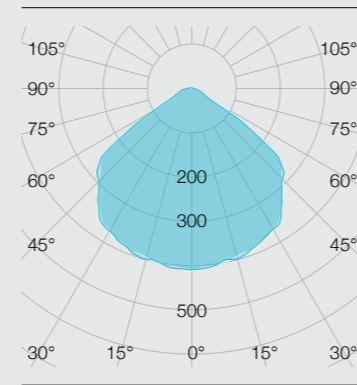
Polar distribution curve



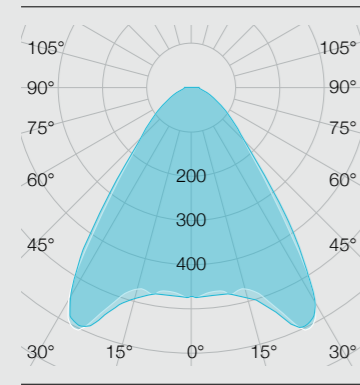
IndustryLUX AL 80°



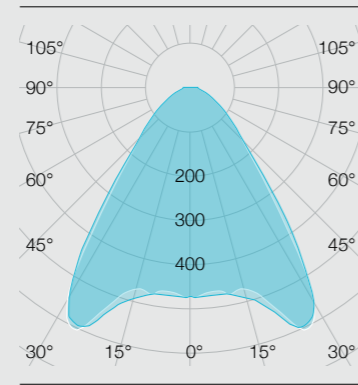
IndustryLUX AL 100°



IndustryLUX AL 120°



IndustryLUX PC 80°



IndustryLUX PC 100°



Long-term renovation solution

For some years now, mercury vapor lamps (HQL) have no longer been allowed to appear on the market. With our IndustryLUX we offer an economical and future-oriented alternative with up to **70% energy savings**.

Screens



PC-screen:
to 205: 80° PC Ø412 x 260 mm
274 - 375: 80° PC Ø570 x 395 mm



AL-screen:
to 205: 80° AL Ø395 x 238 mm
274 - 375: 80° AL Ø500 x 305 mm



PC-screen:
to 205: 100° PC Ø480 x 300 mm



AL-screen:
to 205: 100° AL Ø602 x 258 mm
274 - 375: 100° AL Ø588 x 188 mm




AL-screen:
to 205: 120° AL Ø500 x 158 mm
274 - 375: 120° AL Ø561 x 124 mm


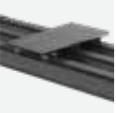
Lumen output of IndustryLUX with screens

Art.-Nr.	Product	Screen	Luminaires luminous flux
431050650093	IndustryLUX 034	80° PC	4.100 lm
		100° PC	4.100 lm
		80° AL	3.800 lm
		100° AL	4.300 lm
431050650066	IndustryLUX 068	120° AL	4.300 lm
		80° PC	8.400 lm
		100° PC	8.400 lm
		80° AL	7.700 lm
431050650066	IndustryLUX 068	100° AL	8.500 lm
		120° AL	8.550 lm
		80° PC	11.100 lm
431050650090	IndustryLUX 110	100° PC	11.100 lm
		80° AL	10.500 lm
		100° AL	11.500 lm
		120° AL	11.700 lm
431050650011	IndustryLUX 164	80° PC	16.900 lm
		100° PC	16.900 lm
		80° AL	15.800 lm
		100° AL	17.500 lm
431050650011	IndustryLUX 164	120° AL	17.700 lm
		80° PC	20.700 lm
		100° PC	20.700 lm
431050650016	IndustryLUX 205	80° AL	19.200 lm
		100° AL	21.400 lm
		120° AL	21.600 lm
		80° PC	28.600 lm
431050650022	IndustryLUX 274	80° AL	27.000 lm
		100° AL	29.800 lm
		120° AL	30.500 lm
431050650033	IndustryLUX 375	80° PC	42.800 lm
		80° AL	40.000 lm
		100° AL	43.800 lm
431050650033	IndustryLUX 375	120° AL	44.800 lm


IndustryLUX **LANARA 2.0**

Product	Art.-Nr.	EAN		lm	Watt	△°	L x W x H in mm	Gross Price	PU
LANARA 2.0 DALI	441250150027	4260374015130	5000 K	22.500	150	110°	1215 x 150 x 82 (104)	435,42 €	4
LANARA 2.0 S DALI	441250660049	4260374015765	5000 K	21.000	150	110°	1215 x 150 x 82 (98)	560,42 €	4
LANARA ROUND DALI	445650140050	4260374015901	5000 K	22.500	145	110°	Ø560 x 86 (305)	539,58 €	1


 Scope of delivery: incl. 2x mounting clip

Accessories	Art.-Nr.	EAN	L x W x H mm	Gross Price	PU
 cord suspension 1x 2 m	724786020029	4260374015260	2000	11,46 €	6
 Mounting plate for 2-3 luminaires	474459060033	4260374014751	418 x 222 x10	52,08 €	10

IndustryLUX **RODALIS**


Product	Art.-Nr.	EAN		lm	Watt	△°	Ø x H mm	Gross Price	PU
RODALIS 100	435011100030	4260374013709	5000 K	14.300	100	110°	Ø260 x 140 (178) mm	310,42 €	1
RODALIS 150	435011150031	4260374013716	5000 K	21.400	150	110°	Ø325 x 150 (188) mm	372,92 €	1
RODALIS 230	435011230032	4260374013723	5000 K	32.300	230	110°	Ø400 x 170 (204) mm	497,92 €	1
RODALIS 100 DALI	435011100034	4260374014072	5000 K	14.300	100	110°	Ø260 x 140 (178) mm	352,08 €	1
RODALIS 150 DALI	435011150035	4260374014089	5000 K	21.400	150	110°	Ø325 x 150 (188) mm	414,58 €	1
RODALIS 230 DALI	435011230036	4260374014096	5000 K	32.300	230	110°	Ø400 x 170 (204) mm	539,58 €	1

IndustryLUX **RODALIS ECO**


Product	Art.-Nr.	EAN		lm	Watt	△°	Ø x H mm	Gross Price	PU
RODALIS ECO 98	435012090045	4260374015581	5000 K	13.000	98	120°	Ø287 x 169	206,25 €	1
RODALIS ECO 145	435012140046	4260374015598	5000 K	19.800	145	120°	Ø287 x 186	268,75 €	1
RODALIS ECO 195	435012190047	4260374015604	5000 K	26.000	195	120°	Ø287 x 198	372,92 €	1

All prices refer to 1 piece plus VAT.

IndustryLUX **RODALIS PRO**


Product	Art.-Nr.	EAN		lm	Watt	△°	Ø x H mm	Gross Price	PU
RODALIS PRO 80	435012080048	4260374015611	5000 K	15.500	80	120°	Ø260 x 180	393,75 €	1
RODALIS PRO 120	435012120049	4260374015628	5000 K	23.500	120	120°	Ø260 x 180	456,25 €	1
RODALIS PRO 200	435012200050	4260374015635	5000 K	33.500	200	120°	Ø280 x 195	560,42 €	1

IndustryLUX **HEMERA**







Product	Art.-Nr.	EAN		lm	Watt	△°	Ø x H mm	Gross Price	PU
HEMERA 85-80	435080850029	4260374013693	5000 K	11.500	85	80°	Ø400 x 138 (185) mm	477,08 €	1
HEMERA 100-80	435080100022	4260374013495	5000 K	13.700	100	80°	Ø400 x 138 (185) mm	518,75 €	1
HEMERA 160-80 DALI	435080960025	4260374013525	5000 K	22.500	160	80°	Ø400 x 138 (185) mm	622,92 €	1
HEMERA 160-60 DALI	435060960033	4260374013778	5000 K	22.500	160	60°	Ø400 x 138 (185) mm	622,92 €	1

All prices refer to 1 piece plus VAT.


IndustryLUX

Product	Art.-Nr.	EAN		lm	Watt	Ø x H mm	Gross Price	PU
IndustryLUX 034	431050650093	4260374011118	5000 K	max. 4.300	30	Ø220 x 265	310,42 €	1
IndustryLUX 068	431050650066	4260374011132	5000 K	max. 8.550	61	Ø220 x 280	385,42 €	1
IndustryLUX 110	431050650090	4260374011156	5000 K	max. 11.700	81	Ø277 x 328	489,58 €	1
IndustryLUX 164	431050650011	4260374011170	5000 K	max. 17.700	122	Ø277 x 353	572,92 €	1
IndustryLUX 205	431050650016	4260374011194	5000 K	max. 21.600	151	Ø277 x 455	677,08 €	1






 Other light colors possible on request

Accessories	274-375	Art.-Nr.	EAN		Ø x H mm	Gross Price	PU
	IndustryLUX screen PC 80°	430100008000	4260292193477	80°	Ø412 x 260	72,92 €	1
	IndustryLUX screen AL 80°	430200008000	4260292193484	80°	Ø395 x 238	72,92 €	1
	IndustryLUX screen PC 100°	430100001000	4260292196379	100°	Ø480 x 300	81,25 €	1
	IndustryLUX screen AL 100°	430200001000	4260292193491	100°	Ø602 x 258	81,25 €	1
	IndustryLUX screen AL 120°	430200001200	4260292196386	120°	Ø500 x 158	81,25 €	1

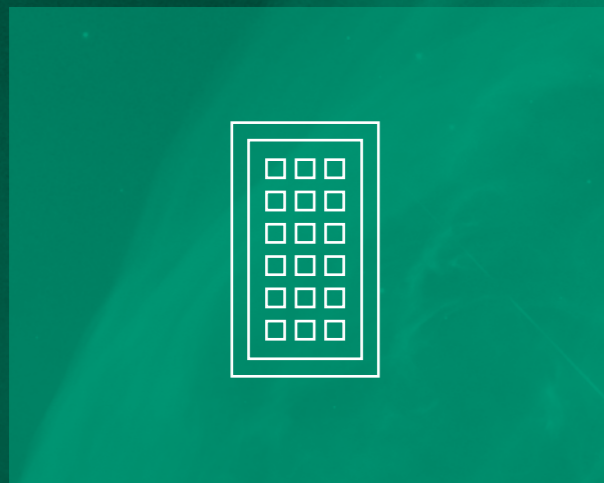
All prices refer to 1 piece plus VAT.

Product	Art.-Nr.	EAN		lm	Watt	Ø x H mm	Gross Price	PU
IndustryLUX 274	431050650022	4260374011217	5000 K	max. 30.500	208	Ø315 x 485	947,92 €	1
IndustryLUX 375	431050650033	4260374011255	5000 K	max. 44.800	310	Ø348 x 537	1.447,92 €	1

 Other light colors possible on request

Accessories	274-375	Art.-Nr.	EAN		Ø x H mm	Gross Price	PU
	IndustryLUX screen PC 80°	430100008001	4260374010623	80°	Ø570 x 395	72,92 €	1
	IndustryLUX screen AL 80°	430200008001	4260374010531	80°	Ø500 x 305	72,92 €	1
	IndustryLUX screen AL 100°	430200001001	4260374010548	100°	Ø588 x 188	81,25 €	1
	IndustryLUX screen AL 120°	430200001201	4260374010555	120°	Ø560 x 124	81,25 €	1

All prices refer to 1 piece plus VAT.



Outdoor lighting

Rain, snow, extreme sunlight and numerous other conditions call for a robust outdoor lighting system. The weatherproof outdoor luminaires from **lichtline** are perfect for use on access roads, loading zones, car parks, open spaces and wherever safe routing is enormously important. They are energy-saving, easy to maintain and provide reliable illumination of traffic and work-related areas. This not only ensures a safe working environment, but also reduces the risk of vandalism at night.

IndustryLUX FLAT NEO _____	108
IndustryLUX FLAT 2.0 _____	112
RoadLUX PRO _____	118
FloodLUX COMPACT MOTION _____	124
FloodLUX PRO _____	126
Order overview _____	128

5 Years
Guarantee



IndustryLUX

FLAT NEO



Technical data

Light flux	up to 33.600 lm
Power consumption	78 156 234 W
Luminous efficiency	up to 144 lm/W
Beam angle	60° 90° 30 x 100° 50 x 140°
Light colour	5000 K
Switching cycles bf failure	> 500.000
Colour reproduction CRI (Ra)	< 80
Colour consistency	< 5 SDCM
Lifespan	> 50.000 h [L80, W10]
Weight	5,1 7,0 9,1 kg
Input voltage	220 - 240 V AC/DC, 50/60 Hz
Operating temperature	-40°C to +50°C
Through-wiring	no
Connection	with connector, 3-pole
UV-resistant	yes
Dimmable	DALI on demand
IP Code	IP 65
Impact resistance	IK 10
Applicable in the food sector	no
Cover	clear
Housing colour	black
Housing material	aluminium & PC
Luminaires per circuit breaker	3 (78 W) 2 (156 W) 1 (234 W)
Luminaires per circuit breaker	5 4 2
Luminaires per circuit breaker	5 4 3
Luminaires per circuit breaker	9 7 4
Suitable as emergency light	on demand
Protection class	I

Outside

Highlights

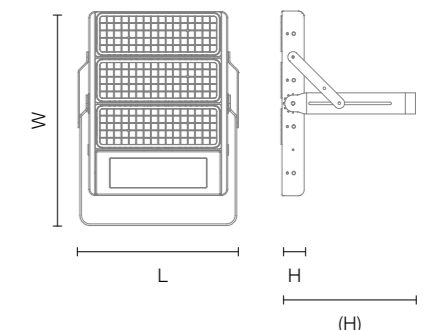
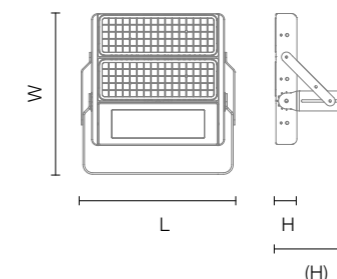
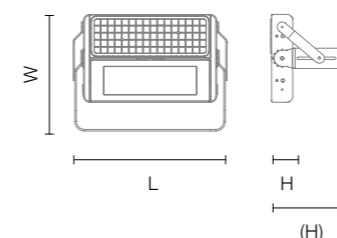


Areas of application

- Logistics / industrial facilities
- Building lighting
- Loading zones

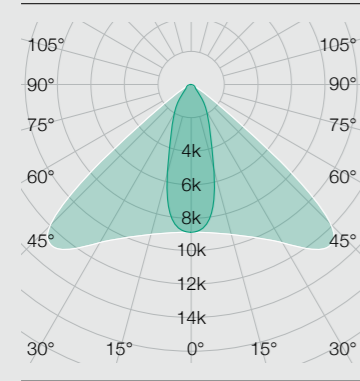
Dimensions L x W x H in mm

- 381 x 289 x 54 (202)
- 381 x 399 x 54 (210)
- 381 x 509 x 54 (315)

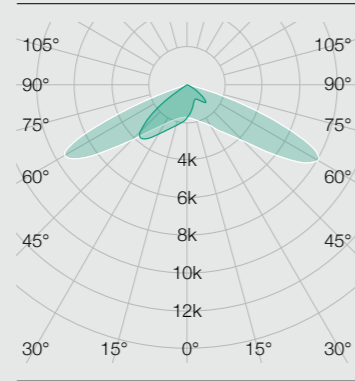


You will find detailed information in the order overview on page 128.

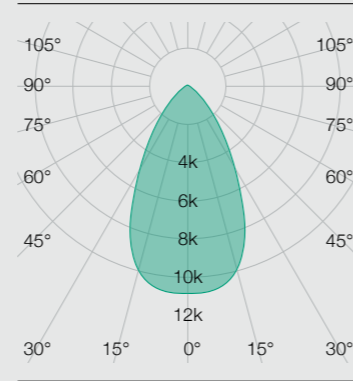
Light distribution curves



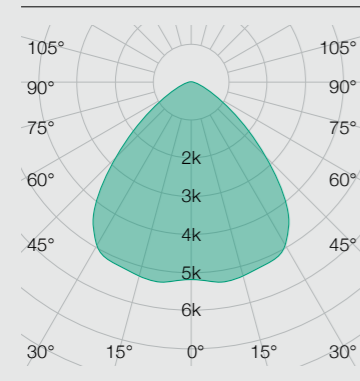
IndustryLUX FLAT NEO 30 x 100°



IndustryLUX FLAT NEO 50 x 140°

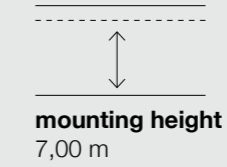
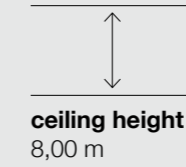
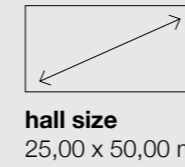


IndustryLUX FLAT NEO 60 x 60°

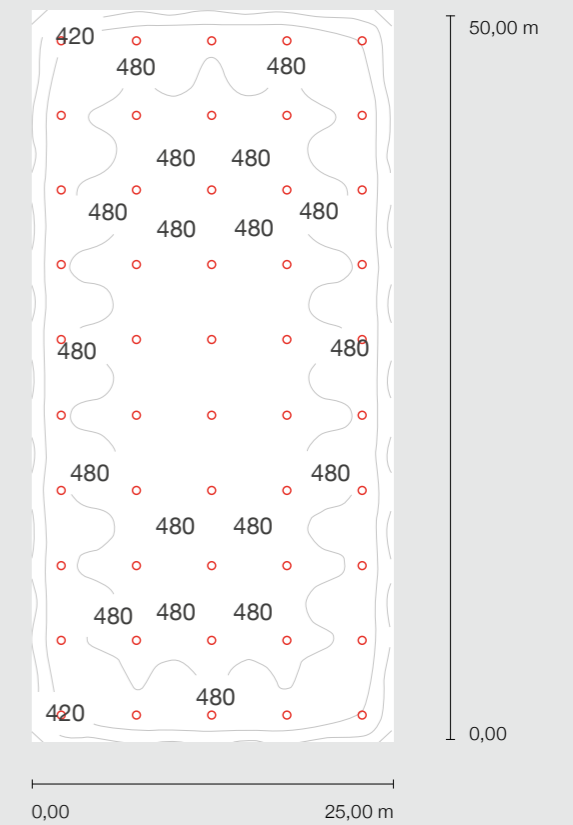
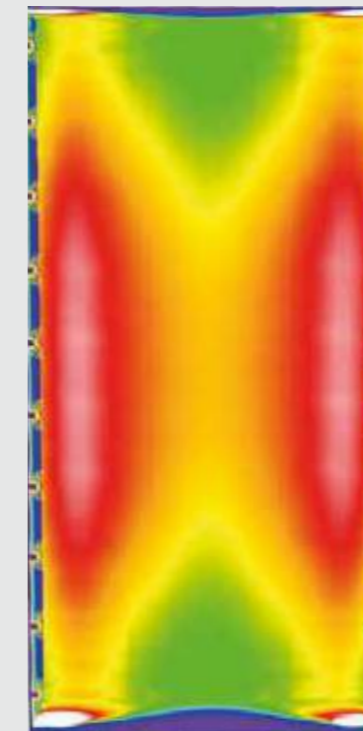


IndustryLUX FLAT NEO 90 x 90°

Lighting calculation example



- 500,00
- 438,13
- 376,25
- 314,38
- 252,50
- 190,63
- 128,75
- 66,88
- 5,00



Outside

Reliable

The FLAT NEO is extremely robust and designed for the most demanding loads. It is jet-proof, shock-resistant and therefore perfectly designed for the high demands of industry.



	E_m [lx]	g_t
working plane	377	0,516

Luminaires list

name	piece	ϕ (luminaire) [lm]	total [lm]	P [W]	total P (W)
IndustryLUX FLAT NEO 234 50 x 140°	20	33.600	672.000	234	4.680

IndustryLUX FLAT 2.0

5 Years
Guarantee



Areas of application
Logistics / industrial facilities
Building lighting
Car parks

improved Efficiency

versatile use
due to different beam angles

Highlights

powerful illumination
up to 147.000 lm

glass light field cover
extends the application possibilities

can be used for
indoor and unprotected outdoor areas

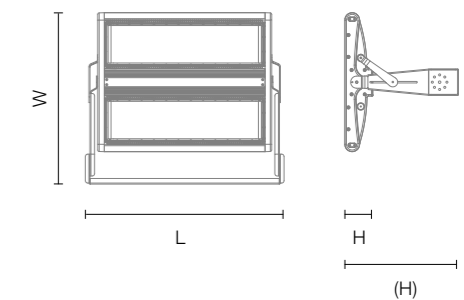
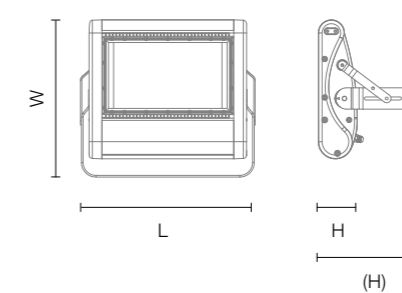
Technical data

Light flux	up to 147.000 lm
Power consumption	64 - 970 W
Luminous efficiency	up to 152 lm/W
Beam angle	60° 90° 60 x 90° 85 x 135°
Light colour	5000 K
Switching cycles bf failure	> 500.000
Colour reproduction CRI (Ra)	> 80
Colour consistency	< 5 SDCM
Lifespan	> 60.000 h [L80, W10]
Weight	4,2 - 31,5 kg
Input voltage	100 - 240V AC/DC, 50/60Hz
Operating temperature	-40°C to +50°C
Through-wiring	no
Connection	connection cable, 3 x 1.0 mm², length: 2.0 m
UV-resistant	yes
Dimmable	DALI on demand
IP Code	IP 65
Impact resistance	IK 06
Applicable in the food sector	on demand
Cover	clear
Housing colour	black
Housing material	aluminium & glas
Luminaires per circuit breaker	5 5 5 5 1 2 2 - - -
Luminaires per circuit breaker	9 9 9 9 3 4 4 1 1 1
Luminaires per circuit breaker	8 8 8 8 2 4 4 1 1 1
Luminaires per circuit breaker	14 14 14 14 4 6 7 2 1
Suitable as emergency light	on demand
Protection class	I

Outside

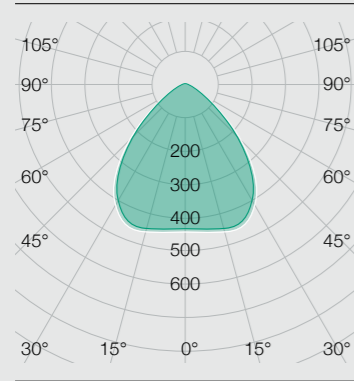
Dimensions L x W x H in mm

- 257 x 367 x 91 (244)
- 268 x 367 x 91 (244)
- 318 x 367 x 91 (244)
- 368 x 367 x 91 (244)
- 419 x 367 x 91 (244)
- 520 x 367 x 91 (244)
- 621 x 367 x 91 (244)
- 586 x 705 x 116 (468)
- 788 x 705 x 116 (468)

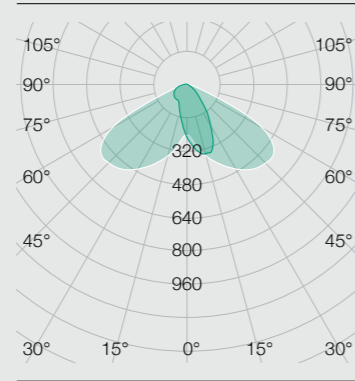


You will find detailed information in the order overview on page 128.

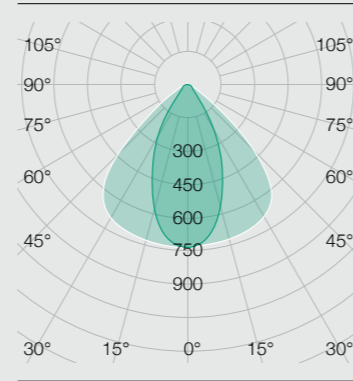
Light distribution curves



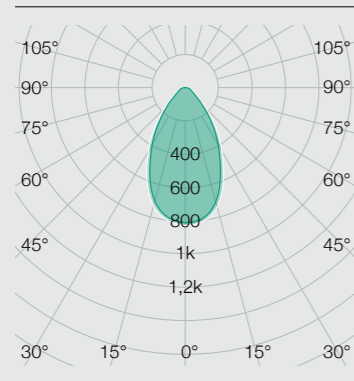
IndustryLUX FLAT 2.0 90 x 90°



IndustryLUX FLAT 2.0 85 x 135°

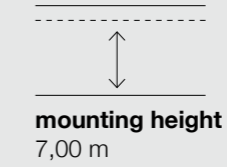
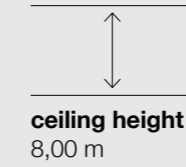
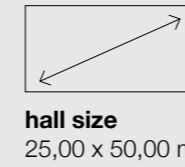


IndustryLUX FLAT 2.0 60 x 90°

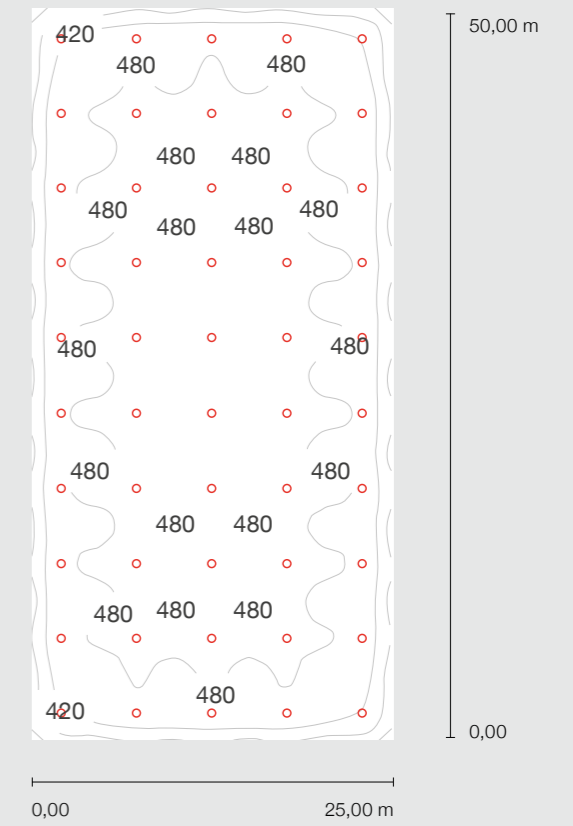
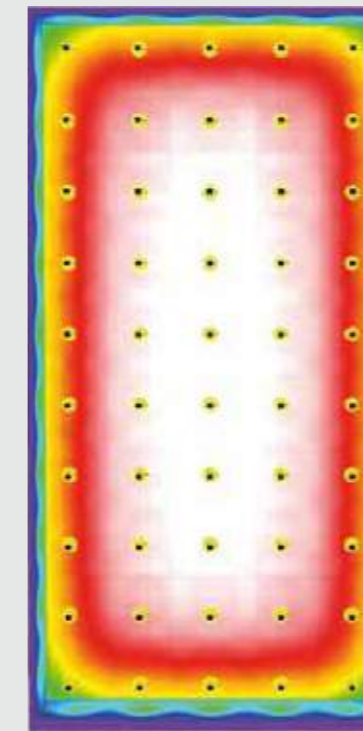


IndustryLUX FLAT 2.0 60 x 60°

Lighting calculation example



- 500,00
- 438,13
- 376,25
- 314,38
- 252,50
- 190,63
- 128,75
- 66,88
- 5,00



Outside

Further advantages

- **Versatile mounting options**
- **Adjustable tilt angle** for high individuality
- **Suitable beam angle** for every application

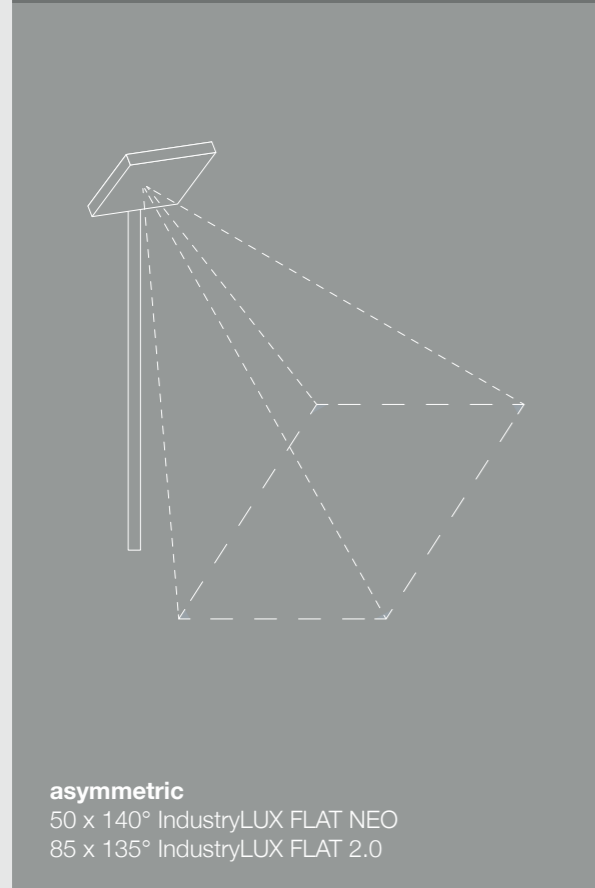
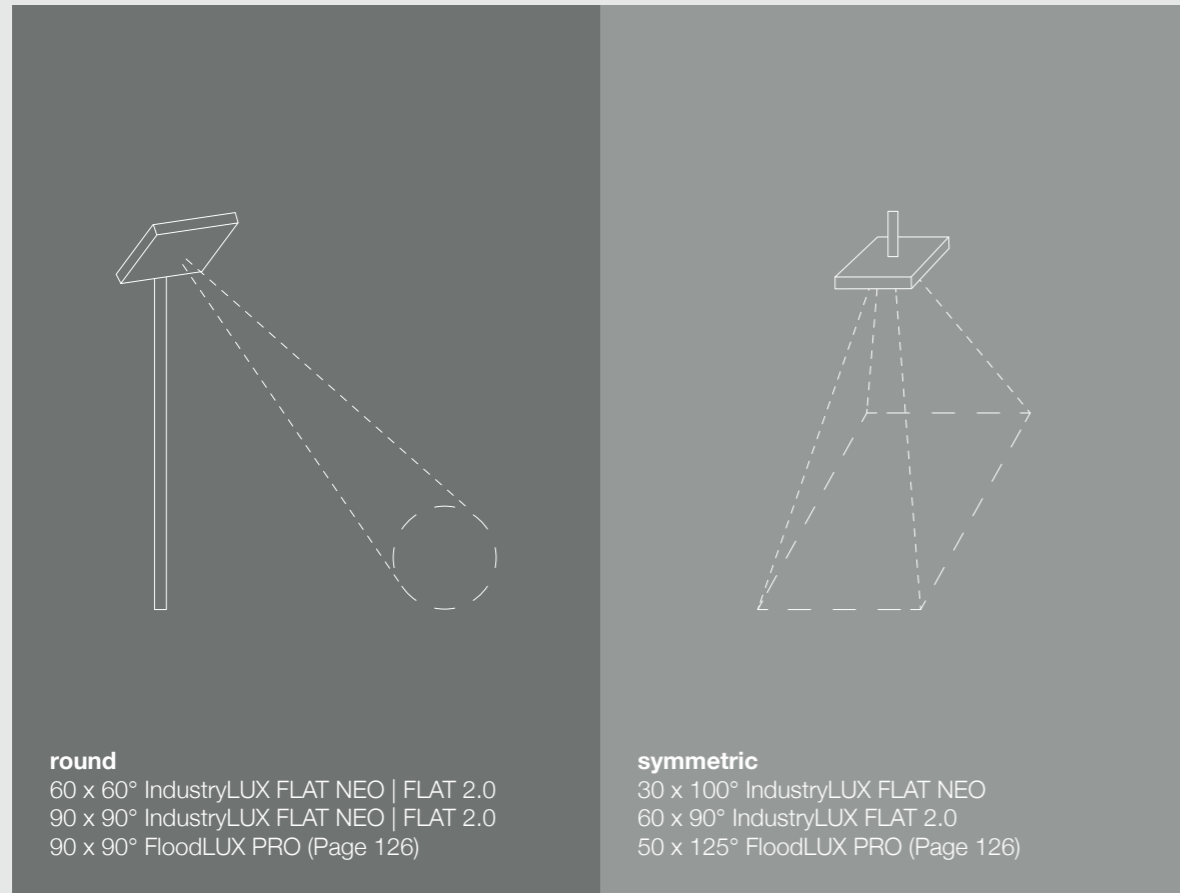


	E_m [lx]	g_t
working plane	469	0,565

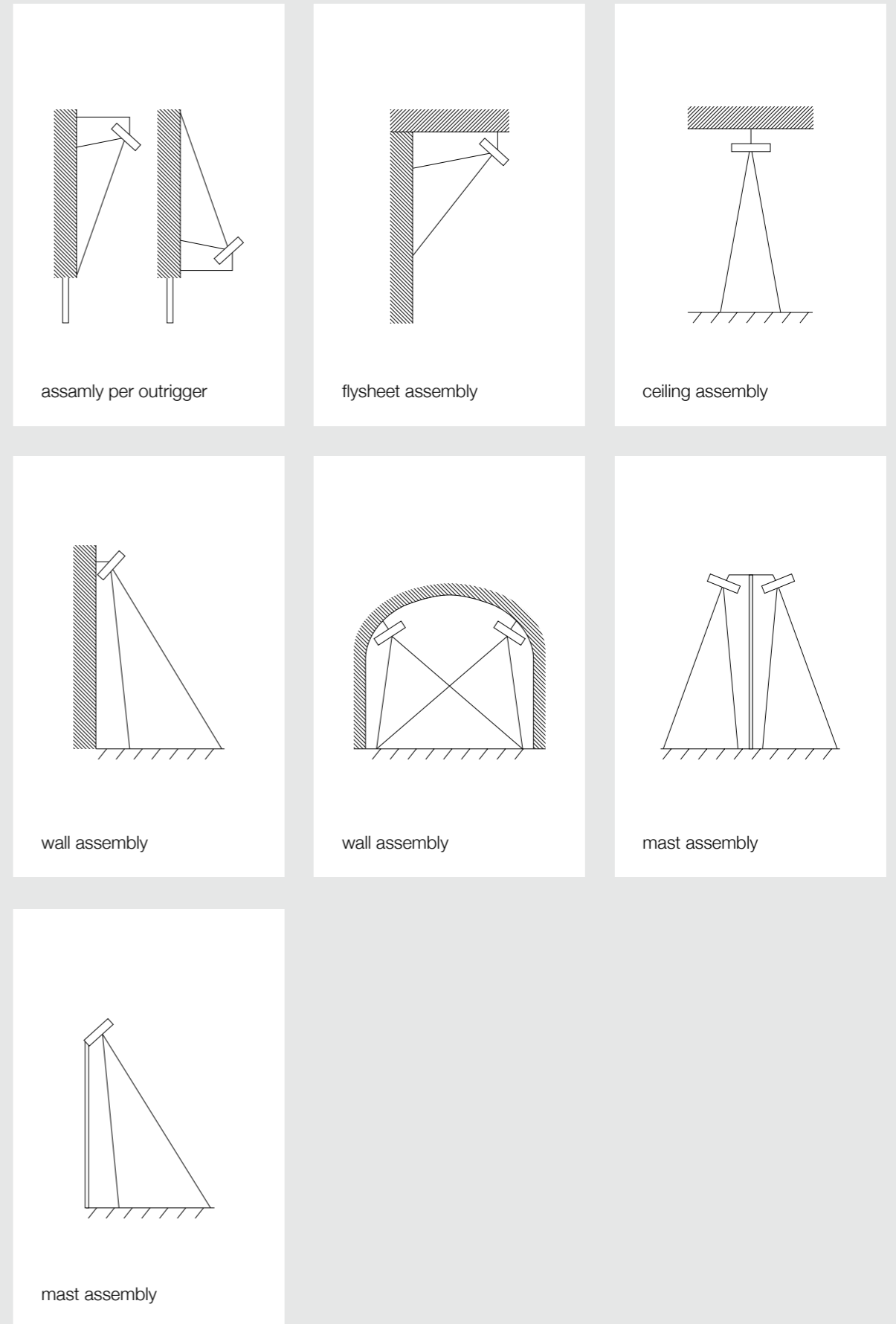
Luminaires list

name	piece	ϕ (luminaire) [lm]	total [lm]	P [W]	total P (W)
FLAT 2.0 100 90x90	50	14.700	735.000	98	4.900

Illumination area



Type of installation



5 Years
Guarantee



RoadLUX PRO



Areas of application

Car park-, street- and path lighting

Surface & shoulder mounting

possible with standard adapter
Ø 42 - 60 mm

convenient connection

because of tool-free housing opening

Highlights

adjustable tilt angle

no light pollution

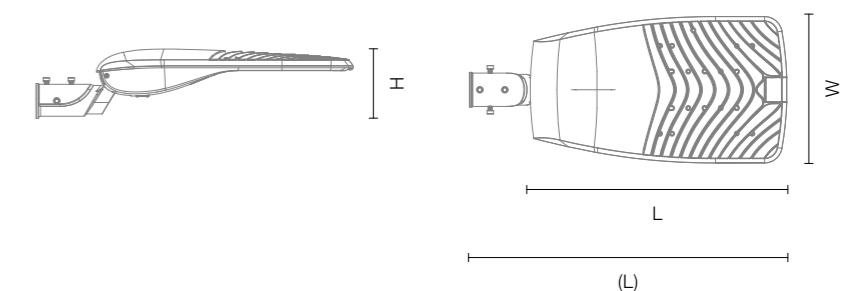
Technical data

Light flux	up to 20.500 lm
Power consumption	30 - 140 W
Luminous efficiency	up to 146 lm/W
Beam angle	45 x 150° 50 x 150° 75 x 150° 60 x 150°
Light colour	4000 K
Switching cycles bf failure	> 500.000
Colour reproduction CRI (Ra)	< 80
Colour consistency	< 5 SDCM
Lifespan	> 50.000 h [L80, W10]
Weight	5,8 - 8,2 kg
Input voltage	200 - 240 V AC/DC, 50/60 Hz
Operating temperature	-30°C to +50°C
Through-wiring	no
Connection	with clamp, 3-pole
UV-resistant	yes
Dimmable	DALI on demand
IP Code	IP 66
Impact resistance	IK 08
Applicable in the food sector	no
Cover	clear
Housing colour	grey
Housing material	aluminium & PC
Luminaires per circuit breaker	65 (30 W) 40 (49 W) 1 (89 W) 17 (114 W) 14 (140 W)
Luminaires per circuit breaker	65 40 2 17 14
Luminaires per circuit breaker	104 64 2 28 22
Luminaires per circuit breaker	104 64 4 28 22
Suitable as emergency light	on demand
Protection class	I

Dimensions L x W x H in mm

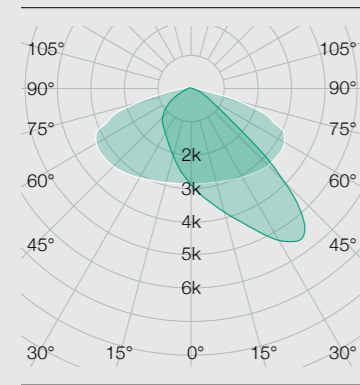
533 (679) x 283 x 160

617 (763) x 352 x 167

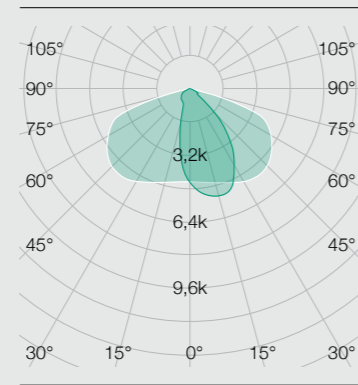


You will find detailed information in the order overview on page 130.

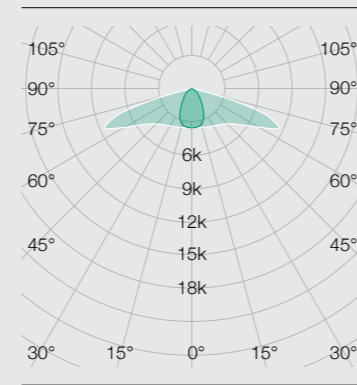
Polar distribution curve



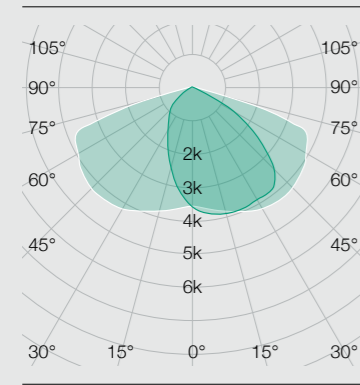
RoadLUX PRO 45 x 150°



RoadLUX PRO 50 x 150°



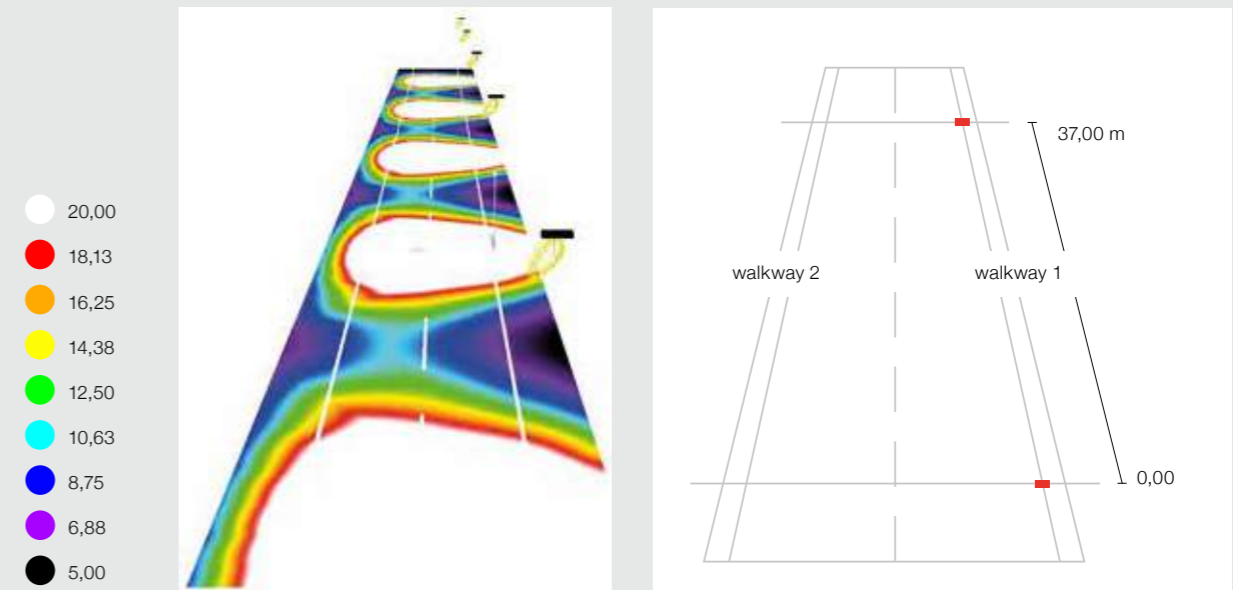
RoadLUX PRO 60 x 150°



RoadLUX PRO 75 x 150°

Illumination types see page 123

Lighting calculation example



- 20,00
- 18,13
- 16,25
- 14,38
- 12,50
- 10,63
- 8,75
- 6,88
- 5,00

Further advantages

- **Convenient connection** thanks to tool-free housing opening
- **Adjustable tilt angle** for high individuality
- Various adapters for **versatile mounting and use**



Pavement 1

	E_m [lx]	U0
working plane	15,01	0,56

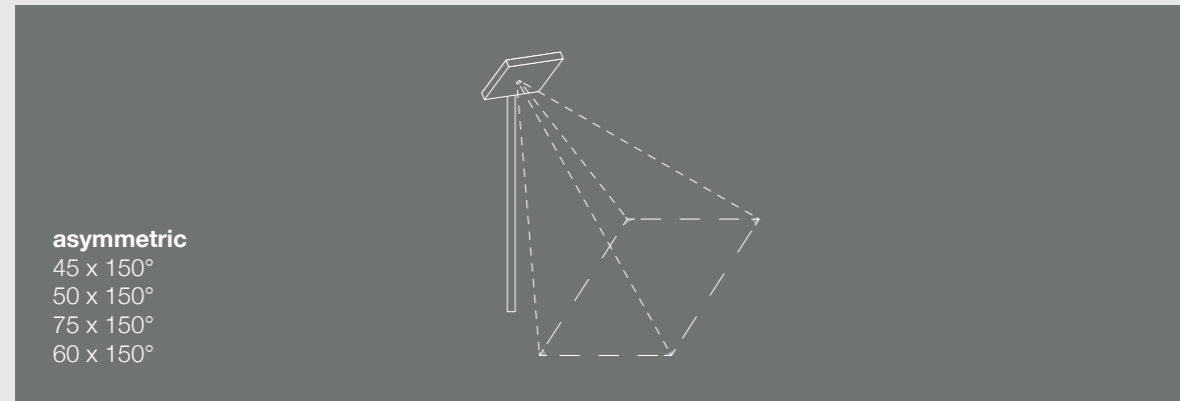
Pavement 2

	E_m [lx]	U0
working plane	12,59	0,56

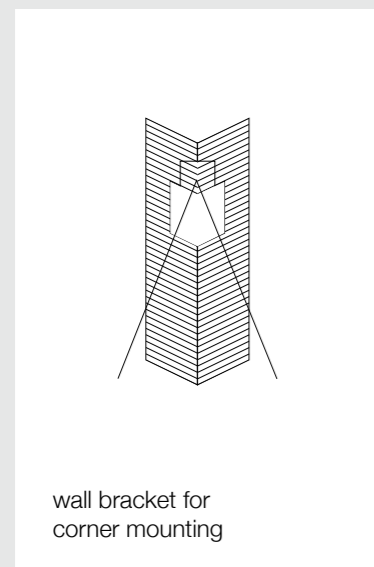
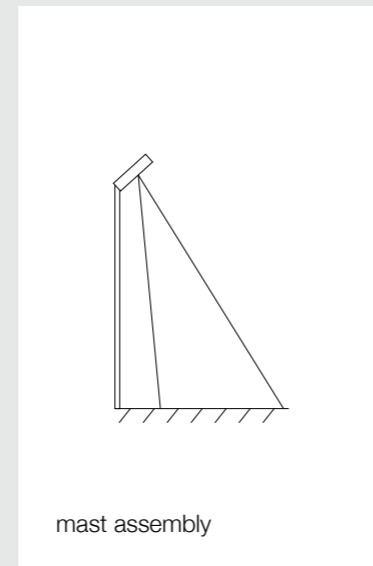
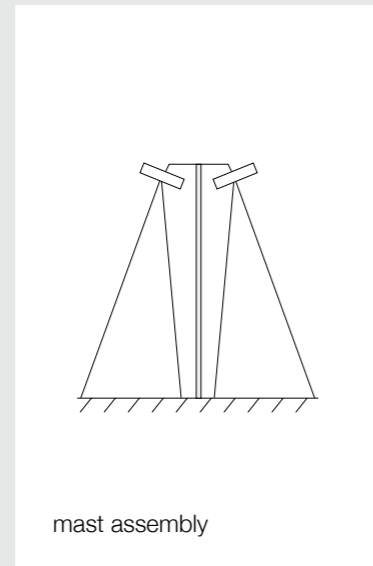
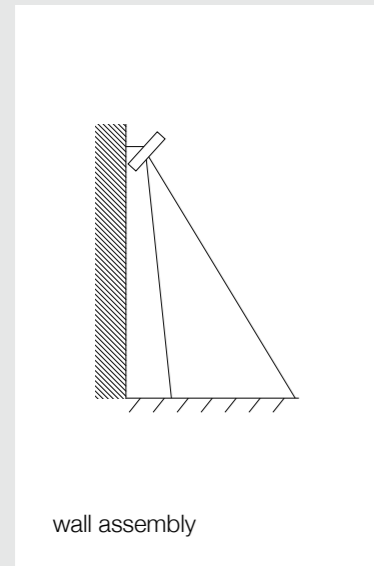
Luminaires list

name	piece	ϕ (luminaire) [lm]	total [lm]	P [W]	total P (W)
RoadLUX PRO 114 45x150	-	15.500	-	114	-

Area of illumination



Assembly variations



recommended mounting height

- 30 W: 3 - 5 m
- 49 W: 3 - 7 m
- 89 W: ab 5 m
- 114 W: ab 7 m
- 140 W: ab 7 m

Application

Polar distribution curve	Illumination	Description
<p>RoadLUX PRO 45 x 150°</p>		<p>45 x 150°, Typ II</p> <p>Examples of use Road with double-sided pavements, foot- and cycle paths, loading zones, access roads, entrances and exits, building lighting</p>
<p>RoadLUX PRO 50 x 150°</p>		<p>50 x 150°, Typ II</p> <p>Examples of use Road with double-sided pavements, footpaths and cycle paths, loading zones, access roads, entrances/exits</p>
<p>RoadLUX PRO 75 x 150°</p>		<p>75 x 150°, Typ II/III</p> <p>Examples of use Multi-lane roads, parking spaces, access roads and large places/areas, building lighting</p>
<p>RoadLUX PRO 60 x 150°</p>		<p>60 x 150°, Typ II</p> <p>Examples of use Narrow streets, foot and cycle paths, loading zones, access roads, entrances/exits</p>

2 Years
Guarantee

FloodLUX COMPACT

FloodLUX MOTION



Areas of application

Loading zones
Gateways
Entrances

long service life

due to individual LEDs

versatile use

Highlights

also with motion sensor

at FloodLUX MOTION

compact floodlight in

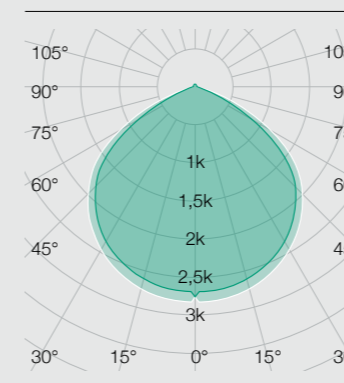
IP65



FloodLUX MOTION



Polar distribution curve



FloodLUX COMPACT | MOTION



Integrated Motion Sensor

with FloodLUX MOTION

PIR sensor

Angle of detection 120°, max. height 4 m, detection range Ø 10 m for installation height 3 m

Setting option

Brightness, time, detection range

Technical data

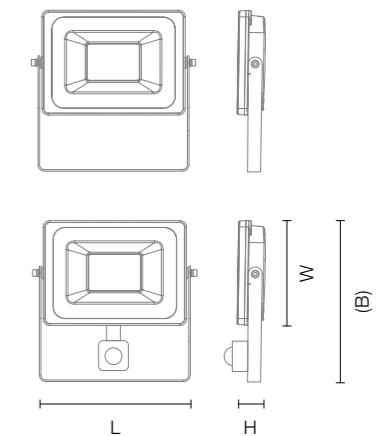
Light flux	up to 4.500 lm
Power consumption	10 - 50 W
Luminous efficiency	90 lm/W
Beam angle	120°
Light colour	5000 K
Switching cycles bf failure	> 200.000
Colour reproduction CRI (Ra)	> 70
Colour consistency	< 5 SDCM
Lifespan	> 40.000 h [L70, W10]
Weight	0,3 - 1,1 kg
Input voltage	220 - 240 V AC/DC, 50/60 Hz
Operating temperature	-20°C to +45°C
Through-wiring	no
Connection	connection cable: 3 x 1.0 mm ² length: 0.5 m
UV-resistant	yes
Dimmable	no
IP Code	IP 65 IP 54 bei FloodLUX MOTION
Impact resistance	IK 05
Applicable in the food sector	no
Cover	clear
Housing colour	black
Housing material	aluminium & glas
Luminaires per circuit breaker	100 (10 W) 75 (20 W) 60 (30 W) 41 (50 W)
Luminaires per circuit breaker	166 104 69 41
Luminaires per circuit breaker	160 120 96 66
Luminaires per circuit breaker	266 166 110 66
Suitable as emergency light	no
Protection class	I

Dimensions

L x W x H in mm

FloodLUX COMPACT
115 x 88 (134) x 27
149 x 120 (183) x 34
176 x 145 (220) x 34
195 x 165 (241) x 38

FloodLUX MOTION
115 x 150 (150) x 50
149 x 183 (180) x 50
176 x 220 (210) x 50
195 x 241 (230) x 50



You will find detailed information in the order overview on page 131.

5 Years
Guarantee

FloodLUX PRO

NEW



Areas of application

Building lighting
Loading zones
Logistics and
Industrial facilities

versatile use

through different
beam angles

improved efficiency

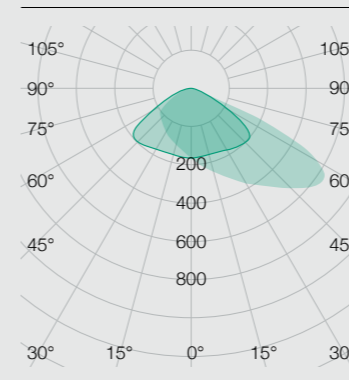
Highlights

can be used for
**indoor and
unprotected
outdoor areas**

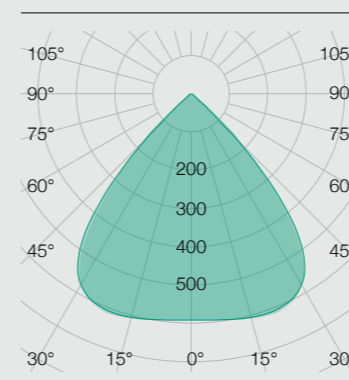
reliable
IP65
in modern
aluminium design
housing



Polar distribution curve



FloodLUX PRO 50 x 125°



FloodLUX PRO 90 x 90°

Technical data

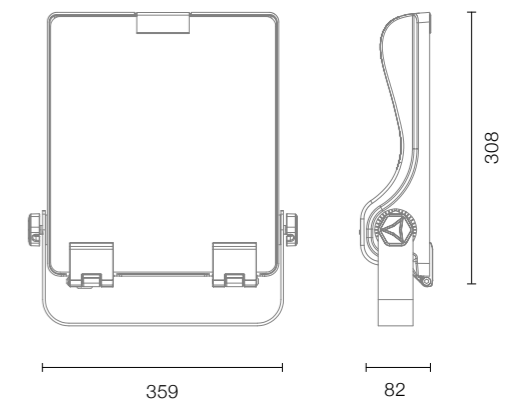
Light flux	up to 11.000 lm
Power consumption	40 - 80 W
Luminous efficiency	up to 143 lm/W
Beam angle	90 x 90° 50 x 125°
Light colour	5000 K
Switching cycles bf failure	> 500.000
Colour reproduction CRI (Ra)	> 80
Colour consistency	< 5 SDCM
Lifespan	> 60.000 h [L80, W10]
Weight	4,3 kg
Input voltage	100 – 240 V AC/DC, 50/60 Hz
Operating temperature	-30°C to +45°C
Through-wiring	n0
Connection	connection cable: 3 x 1.0 mm² length: 1.5 m
UV-resistant	yes
Dimmable	no
IP Code	IP 66
Impact resistance	IK 08
Applicable in the food sector	no
Cover	clear
Housing colour	black
Housing material	aluminium & glas
Luminaires per circuit breaker	13 (40 W) 8 (60 W) 4 (80 W)
Luminaires per circuit breaker	22 14 6
Luminaires per circuit breaker	21 13 6
Luminaires per circuit breaker	35 22 10
Suitable as emergency light	no
Protection class	I

Outside

Dimensions

L x W x H in mm

359 x 308 x 82



You will find detailed information
in the order overview on page 131.

IndustryLUX FLAT NEO

Product	Art.-Nr.	EAN		lm	Watt	°	L x W x H in mm	Gross Price	PU
IndustryLUX FLAT NEO 78	445007600028	4260374015147	5000 K	11.100	78	60 x 60°	381 x 289 x 54 (202)	497,92 €	1
IndustryLUX FLAT NEO 78	445007900029	4260374015154	5000 K	11.100	78	90 x 90°	381 x 289 x 54 (202)	497,92 €	1
IndustryLUX FLAT NEO 78	445007310034	4260374015314	5000 K	11.000	78	30 x 100°	381 x 289 x 54 (202)	497,92 €	1
IndustryLUX FLAT NEO 78	445007510035	4260374015321	5000 K	11.100	78	50 x 140°	381 x 289 x 54 (202)	497,92 €	1
IndustryLUX FLAT NEO 156	445015600030	4260374015161	5000 K	22.100	156	60 x 60°	381 x 399 x 54 (210)	685,42 €	1
IndustryLUX FLAT NEO 156	445015900031	4260374015178	5000 K	22.100	156	90 x 90°	381 x 399 x 54 (210)	685,42 €	1
IndustryLUX FLAT NEO 156	445015310036	4260374015338	5000 K	22.000	156	30 x 100°	381 x 399 x 54 (210)	685,42 €	1
IndustryLUX FLAT NEO 156	445015510037	4260374015345	5000 K	22.100	156	50 x 140°	381 x 399 x 54 (210)	685,42 €	1
IndustryLUX FLAT NEO 234	445023600032	4260374015185	5000 K	33.400	234	60 x 60°	381 x 509 x 54 (315)	935,42 €	1
IndustryLUX FLAT NEO 234	445023900033	4260374015192	5000 K	33.400	234	90 x 90°	381 x 509 x 54 (315)	935,42 €	1
IndustryLUX FLAT NEO 234	445023310038	4260374015352	5000 K	33.300	234	30 x 100°	381 x 509 x 54 (315)	935,42 €	1
IndustryLUX FLAT NEO 234	445023510039	4260374015369	5000 K	33.600	234	50 x 140°	381 x 509 x 54 (315)	935,42 €	1

Scope of delivery: incl. connector plug; DALI and other light colours on request

IndustryLUX FLAT 2.0

Product	Art.-Nr.	EAN		lm	Watt	°	L x W x H in mm	Gross Price	PU
IndustryLUX FLAT 2.0 60	442206060051	4260374016137	5000 K	9.600	64	60 x 60°	257 x 367 x 91 (244)	456,25 €	1
IndustryLUX FLAT 2.0 60	442209060052	4260374016144	5000 K	9.600	64	90 x 90°	257 x 367 x 91 (244)	456,25 €	1
IndustryLUX FLAT 2.0 60	442269060053	4260374016151	5000 K	9.700	64	60 x 90°	257 x 367 x 91 (244)	456,25 €	1
IndustryLUX FLAT 2.0 60	442285060054	4260374016168	5000 K	9.000	64	85 x 135°	257 x 367 x 91 (244)	456,25 €	1
IndustryLUX FLAT 2.0 80	442206080055	4260374016175	5000 K	12.300	82	60 x 60°	268 x 367 x 91 (244)	539,58 €	1
IndustryLUX FLAT 2.0 80	442209080056	4260374016182	5000 K	12.300	82	90 x 90°	268 x 367 x 91 (244)	539,58 €	1
IndustryLUX FLAT 2.0 80	442269080057	4260374016199	5000 K	12.500	82	60 x 90°	268 x 367 x 91 (244)	539,58 €	1
IndustryLUX FLAT 2.0 80	442285080058	4260374016205	5000 K	11.550	82	85 x 135°	268 x 367 x 91 (244)	539,58 €	1
IndustryLUX FLAT 2.0 100	442206100059	4260374016212	5000 K	14.700	98	60 x 60°	268 x 367 x 91 (244)	572,92 €	1
IndustryLUX FLAT 2.0 100	442209100060	4260374016229	5000 K	14.700	98	90 x 90°	268 x 367 x 91 (244)	572,92 €	1

DALI and other light colours on request

All prices refer to 1 piece plus VAT.

Product	Art.-Nr.	EAN		lm	Watt	°	L x W x H in mm	Gross Price	PU
IndustryLUX FLAT 2.0 100	442269100061	4260374016236	5000 K	14.900	98	60 x 90°	268 x 367 x 91 (244)	572,92 €	1
IndustryLUX FLAT 2.0 100	442285100062	4260374016243	5000 K	13.800	98	85 x 135°	268 x 367 x 91 (244)	572,92 €	1
IndustryLUX FLAT 2.0 150	442206150063	4260374016250	5000 K	22.500	150	60 x 60°	318 x 367 x 91 (244)	727,08 €	1
IndustryLUX FLAT 2.0 150	442209150064	4260374016267	5000 K	22.500	150	90 x 90°	318 x 367 x 91 (244)	727,08 €	1
IndustryLUX FLAT 2.0 150	442269150065	4260374016274	5000 K	22.800	150	60 x 90°	318 x 367 x 91 (244)	727,08 €	1
IndustryLUX FLAT 2.0 150	442285150066	4260374016281	5000 K	21.100	150	85 x 135°	318 x 367 x 91 (244)	727,08 €	1
IndustryLUX FLAT 2.0 200	442206200067	4260374016298	5000 K	32.300	215	60 x 60°	368 x 367 x 91 (244)	831,25 €	1
IndustryLUX FLAT 2.0 200	442209200068	4260374016304	5000 K	32.300	215	90 x 90°	368 x 367 x 91 (244)	831,25 €	1
IndustryLUX FLAT 2.0 200	442269200069	4260374016311	5000 K	32.600	215	60 x 90°	368 x 367 x 91 (244)	831,25 €	1
IndustryLUX FLAT 2.0 200	442285200070	4260374016328	5000 K	30.200	215	85 x 135°	368 x 367 x 91 (244)	831,25 €	1
IndustryLUX FLAT 2.0 250	442206250071	4260374016335	5000 K	36.800	245	60 x 60°	419 x 367 x 91 (244)	977,08 €	1
IndustryLUX FLAT 2.0 250	442209250072	4260374016342	5000 K	36.800	245	90 x 90°	419 x 367 x 91 (244)	977,08 €	1
IndustryLUX FLAT 2.0 250	442269250073	4260374016359	5000 K	37.200	245	60 x 90°	419 x 367 x 91 (244)	977,08 €	1
IndustryLUX FLAT 2.0 250	442285250074	4260374016366	5000 K	34.450	245	85 x 135°	419 x 367 x 91 (244)	977,08 €	1
IndustryLUX FLAT 2.0 300	442206300075	4260374016373	5000 K	45.000	300	60 x 60°	520 x 367 x 91 (244)	1.393,75 €	1
IndustryLUX FLAT 2.0 300	442209300076	4260374016380	5000 K	45.000	300	90 x 90°	520 x 367 x 91 (244)	1.393,75 €	1
IndustryLUX FLAT 2.0 300	442269300077	4260374016397	5000 K	45.500	300	60 x 90°	520 x 367 x 91 (244)	1.393,75 €	1
IndustryLUX FLAT 2.0 300	442285300078	4260374016403	5000 K	42.200	300	85 x 135°	520 x 367 x 91 (244)	1.393,75 €	1
IndustryLUX FLAT 2.0 400	442206400079	4260374016410	5000 K	64.600	430	60 x 60°	621 x 367 x 91 (244)	1.664,58 €	1
IndustryLUX FLAT 2.0 400	442209400080	4260374016427	5000 K	64.600	430	90 x 90°	621 x 367 x 91 (244)	1.664,58 €	1
IndustryLUX FLAT 2.0 400	442269400081	4260374016434	5000 K	65.500	430	60 x 90°	621 x 367 x 91 (244)	1.664,58 €	1
IndustryLUX FLAT 2.0 400	442285400082	4260374016441	5000 K	60.500	430	85 x 135°	621 x 367 x 91 (244)	1.664,58 €	1
IndustryLUX FLAT 2.0 600	442206600083	4260374016458	5000 K	90.000	600	60 x 60°	586 x 705 x 116 (468)	2.706,25 €	1
IndustryLUX FLAT 2.0 600	442209600084	4260374016465	5000 K	90.000	600	90 x 90°	586 x 705 x 116 (468)	2.706,25 €	1
IndustryLUX FLAT 2.0 600	442269600085	4260374016472	5000 K	91.000	600	60 x 90°	586 x 705 x 116 (468)	2.706,25 €	1
IndustryLUX FLAT 2.0 600	442285600086	4260374016489	5000 K	84.350	600	85 x 135°	586 x 705 x 116 (468)	2.706,25 €	1
IndustryLUX FLAT 2.0 1000	442206990087	4260374016496	5000 K	145.000	970	60 x 60°	788 x 705 x 116 (468)	4.164,58 €	1
IndustryLUX FLAT 2.0 1000	442209990088	4260374016502	5000 K	145.000	970	90 x 90°	788 x 705 x 116 (468)	4.164,58 €	1
IndustryLUX FLAT 2.0 1000	442269990089	4260374016519	5000 K	147.000	970	60 x 90°	788 x 705 x 116 (468)	4.164,58 €	1
IndustryLUX FLAT 2.0 1000	442285990090	4260374016526	5000 K	136.300	970	85 x 135°	788 x 705 x 116 (468)	4.164,58 €	1

Other light colours, beam angles and DALI on request

All prices refer to 1 piece plus VAT.

RoadLUX PRO

Product	Art.-Nr.	EAN		lm	Watt	△°	L x W x H in mm	Gross Price	PU
RoadLUX PRO 30	494540030112	4260374016533	4000 K	4.000	30	45 x 150°	533 (679) x 283 x 160	487,50 €	1
RoadLUX PRO 30	495040030113	4260374016540	4000 K	4.300	30	50 x 150°	533 (679) x 283 x 160	487,50 €	1
RoadLUX PRO 30	497540030114	4260374016557	4000 K	4.200	30	75 x 150°	533 (679) x 283 x 160	487,50 €	1
RoadLUX PRO 30	496040030115	4260374016564	4000 K	4.000	30	60 x 150°	533 (679) x 283 x 160	487,50 €	1
RoadLUX PRO 49	490140500007	4260374013372	4000 K	6.450	49	45 x 150°	533 (679) x 283 x 160	497,92 €	1
RoadLUX PRO 49	495040490116	4260374016571	4000 K	6.900	49	50 x 150°	533 (679) x 283 x 160	497,92 €	1
RoadLUX PRO 49	497540490117	4260374016588	4000 K	6.400	49	75 x 150°	533 (679) x 283 x 160	497,92 €	1
RoadLUX PRO 49	496040490118	4260374016595	4000 K	6.350	49	60 x 150°	533 (679) x 283 x 160	497,92 €	1
RoadLUX PRO 89	494540090119	4260374016601	4000 K	11.750	89	45 x 150°	533 (679) x 283 x 160	539,58 €	1
RoadLUX PRO 89	495040090120	4260374016618	4000 K	11.600	89	50 x 150°	533 (679) x 283 x 160	539,58 €	1
RoadLUX PRO 89	497540090121	4260374016625	4000 K	11.700	89	75 x 150°	533 (679) x 283 x 160	539,58 €	1
RoadLUX PRO 89	496040090122	4260374016632	4000 K	11.700	89	60 x 150°	533 (679) x 283 x 160	539,58 €	1
RoadLUX PRO 114	490140120008	4260374013389	4000 K	15.500	114	45 x 150°	617 (763) x 352 x 167	664,58 €	1
RoadLUX PRO 114	495040110123	4260374016649	4000 K	15.600	114	50 x 150°	617 (763) x 352 x 167	664,58 €	1
RoadLUX PRO 114	497540110124	4260374016656	4000 K	15.600	114	75 x 150°	617 (763) x 352 x 167	664,58 €	1
RoadLUX PRO 114	496040110125	4260374016663	4000 K	16.000	114	60 x 150°	617 (763) x 352 x 167	664,58 €	1
RoadLUX PRO 140	490140150009	4260374013396	4000 K	18.700	140	45 x 150°	617 (763) x 352 x 167	695,83 €	1
RoadLUX PRO 140	495040140126	4260374016670	4000 K	20.500	140	50 x 150°	617 (763) x 352 x 167	695,83 €	1
RoadLUX PRO 140	497540140127	4260374016687	4000 K	19.600	140	75 x 150°	617 (763) x 352 x 167	695,83 €	1
RoadLUX PRO 140	496040140128	4260374016694	4000 K	20.100	140	60 x 150°	617 (763) x 352 x 167	695,83 €	1

Scope of delivery: pole reduction for 42 mm; screws; DALI and other light colours on request

Zubehör	Art.-Nr.	EAN	Bruttopreise	VE
Mast adapter 34 mm	474919340023	4260374014119	52,08 €	1
Mast adapter 76 mm	474919760021	4260374013822	52,08 €	1
Wall bracket Ø60 mm L: 200 mm	474901600057	4260374016724	82,29 €	1
Wall bracket with corner fastening Ø60 mm L: 200 mm	474911600058	4260374016731	103,13 €	1
Double mast attachment Ø60 mm	474902600059	4260374016748	86,46 €	1

All prices refer to 1 piece plus VAT.

NEW in our assortment

FloodLUX COMPACT | MOTION

Product	Art.-Nr.	EAN		lm	Watt	△°	L x W x H in mm	Gross Price	PU
FloodLUX COMPACT 10	455012010002	4260374012702	5000 K	900	10	120°	115 x 88 (134) x 27	14,38 €	32
FloodLUX COMPACT 20	455012020004	4260374012726	5000 K	1.800	20	120°	149 x 120 (183) x 34	26,88 €	20
FloodLUX COMPACT 30	455012030006	4260374012740	5000 K	2.700	30	120°	176 x 145 (220) x 34	39,38 €	12
FloodLUX COMPACT 50	455012050008	4260374012764	5000 K	4.500	50	120°	195 x 165 (241) x 38	51,88 €	10
FloodLUX MOTION 10	455024010014	4260374015864	5000 K	900	10	120°	115 x 150 (150) x 50	24,79 €	24
FloodLUX MOTION 20	455024020015	4260374015871	5000 K	1.800	20	120°	149 x 183 (180) x 50	37,29 €	16
FloodLUX MOTION 30	455024030016	4260374015888	5000 K	2.700	30	120°	176 x 220 (210) x 50	51,88 €	12
FloodLUX MOTION 50	455024050017	4260374015895	5000 K	4.500	50	120°	195 x 241 (230) x 50	62,29 €	10

FloodLUX PRO

Product	Art.-Nr.	EAN		lm	Watt	△°	L x W x H in mm	Gross Price	PU
FloodLUX PRO 40	455004000018	4260374017196	5000 K	5.700	40	90 x 90°	359 x 308 x 82	310,42	1
FloodLUX PRO 40	455004000019	4260374017202	5000 K	5.700	40	50 x 125°	359 x 308 x 82	310,42	1
FloodLUX PRO 60	455006000020	4260374017219	5000 K	8.500	60	90 x 90°	359 x 308 x 82	331,25	1
FloodLUX PRO 60	455006000021	4260374017226	5000 K	8.500	60	50 x 125°	359 x 308 x 82	331,25	1
FloodLUX PRO 80	455008000022	4260374017233	5000 K	11.000	80	90 x 90°	359 x 308 x 82	352,08	1
FloodLUX PRO 80	455008000023	4260374017240	5000 K	11.000	80	50 x 125°	359 x 308 x 82	352,08	1

DALI and other light colours on request

All prices refer to 1 piece plus VAT.

NEW in our assortment



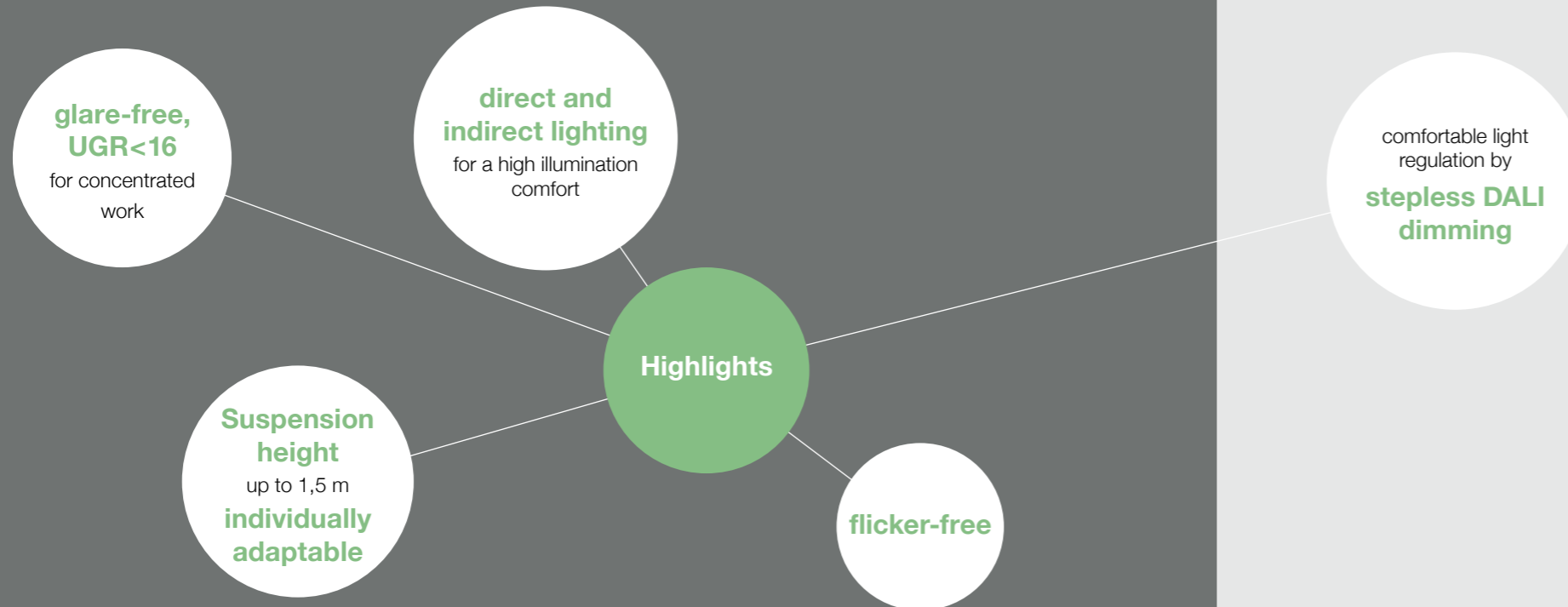
Office luminaires

Optimal illumination of office spaces makes a valuable contribution to the concentration and well-being of employees. Thanks to low-glare light, which is very similar to the natural light spectrum, our OfficeLUX luminaires provide pleasant and productive lighting.

OfficeLUX SOLEE	134
OfficeLUX SORA	136
OfficeLUX KAPTEYN MOTION	138
OfficeLUX ORB	140
OfficeLUX RAYET	142
Order overview	144

OfficeLUX SOLEE

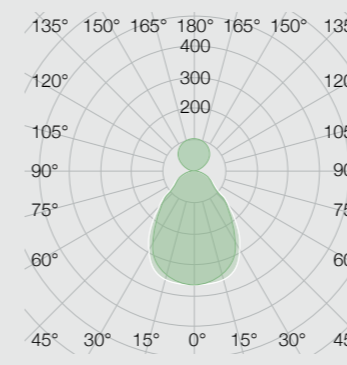
5 Years
Guarantee



Technical data

Light flux	1.900 lm ↑ 3.900 lm ↓
Power consumption	58 W
Luminous efficiency	100 lm/W
Beam angle	110° ↑ 90° ↓
Light colour	4000 K
Switching cycles bf failure	> 500.000
Colour reproduction CRI (Ra)	> 80
Colour consistency	< 3 SDCM
Lifespan	> 50.000 h [L80, W10]
Weight	5,5 kg
Input voltage	200 - 240 V AC/DC, 50/60 Hz
Operating temperature	-20°C to +45°C
Through-wiring	5 x 0,75 mm²
Connection	with clamp, 5-pole
UV-resistant	no
Dimmable	DIP switch DALI
IP Code	IP 20
Impact resistance	IK 04
Applicable in the food sector	no
Cover	prismatic
Housing colour	silvergrey
Housing material	Aluminium & PC
Luminaires per circuit breaker	34
Luminaires per circuit breaker	34
Luminaires per circuit breaker	54
Luminaires per circuit breaker	54
Suitable as emergency light	on demand
Protection class	I

Polar distribution curve



OfficeLUX SOLEE



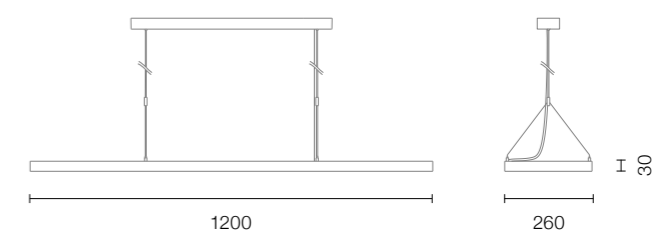
Light distribution

+ 33% indirect emission

+ 67% direct emission

Dimensions L x W x H in mm

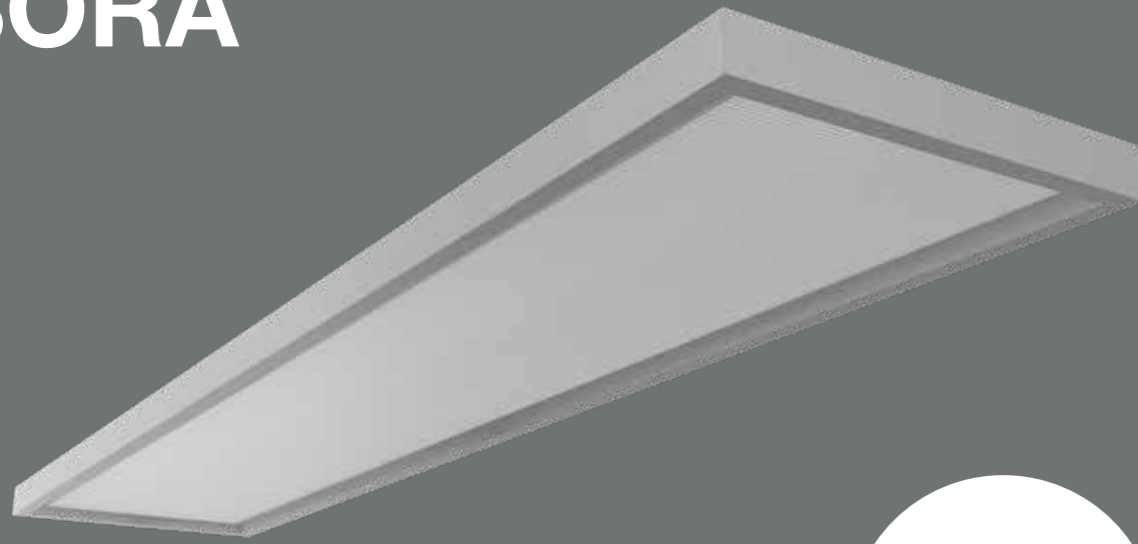
1200 x 260 x 30 (adjustable)



Detailed information can be found in the order overview on page 144.

5 Years
Guarantee

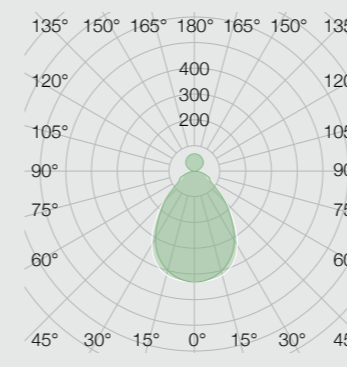
OfficeLUX SORA



Technical data

Light flux	700 lm ↑ 4.000 lm ↓
Power consumption	58 W
Luminous efficiency	81 lm/W
Beam angle	110° ↑ 90° ↓
Light colour	4000 K
Switching cycles bf failure	> 500.000
Colour reproduction CRI (Ra)	> 80
Colour consistency	< 3 SDCM
Lifespan	> 50.000 h [L80, W10]
Weight	5,7 kg
Input voltage	200 - 240 V AC/DC, 50/60 Hz
Operating temperature	-20°C to +45°C
Through-wiring	5 x 0,75 mm ²
Connection	with clamp, 5-pole
UV-resistant	no
Dimmable	DIP switch DALI
IP Code	IP 20
Impact resistance	IK 04
Applicable in the food sector	no
Cover	prismatic
Housing colour	silvergrey
Housing material	Aluminium & PC
Luminaires per circuit breaker	34
Luminaires per circuit breaker	34
Luminaires per circuit breaker	54
Luminaires per circuit breaker	54
Suitable as emergency light	on demand
Protection class	I

Polar distribution curve



OfficeLUX SORA

Light distribution

+ 15% indirect emission



+ 85% direct emission

Dimensions L x W x H in mm

1200 x 260 x 30 (62)



Detailed information can be found in the order overview on page 144.

5 Years
Guarantee

OfficeLUX
KAPTEYN

OfficeLUX
**KAPTEYN
MOTION**



**integrated motion
and daylight sensor**
with KAPTEYN MOTION



**direct and
indirect lighting**
for a high
illumination comfort

Highlights

**glare-free,
UGR<17**
for fatigue-free
work

flicker-free

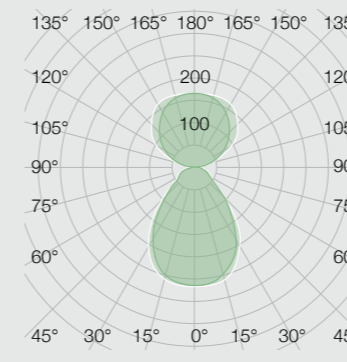


**comfortable
light regulation**

by dimming on the integrated
touch panel



Polar distribution curve

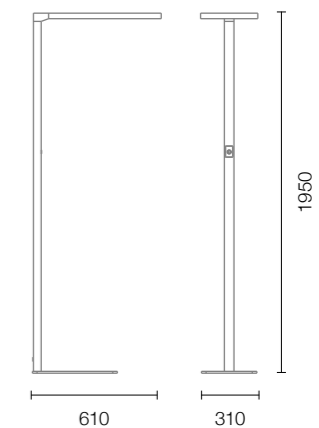


OfficeLUX KAPTEYN

Technical data

Light flux	3.600 lm ↑ 3.600 lm ↓
Power consumption	75 W
Luminous efficiency	96 lm/W
Beam angle	110° ↑ 90° ↓
Light colour	4000 K
Switching cycles bf failure	> 500.000
Colour reproduction CRI (Ra)	> 80
Colour consistency	< 3 SDCM
Lifespan	> 50.000 h [L80, W10]
Weight	14,1 - 14,3 kg
Input voltage	100 - 240 AC/DC, 50/60 Hz
Operating temperature	-20°C to +45°C
Through-wiring	no
Connection	with plug, cable length: 1,4m
UV-resistant	no
Dimmable	via Touchpad
IP Code	IP 20
Impact resistance	IK 04
Applicable in the food sector	no
Cover	prismatic
Housing colour	silvergrey
Housing material	Aluminium & PC
Luminaires per circuit breaker	6
Luminaires per circuit breaker	10
Luminaires per circuit breaker	10
Luminaires per circuit breaker	17
Suitable as emergency light	on demand
Protection class	I

Dimensions L x W x H in mm
610 x 310 x 1950

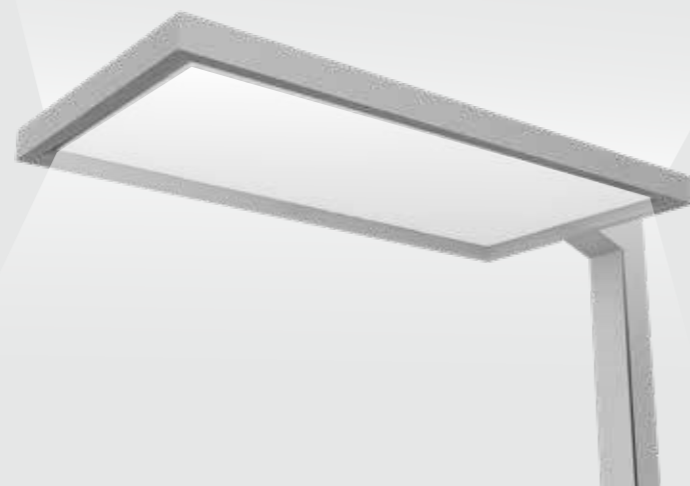


Detailed information can be found
in the order overview on page 144.

Light distribution

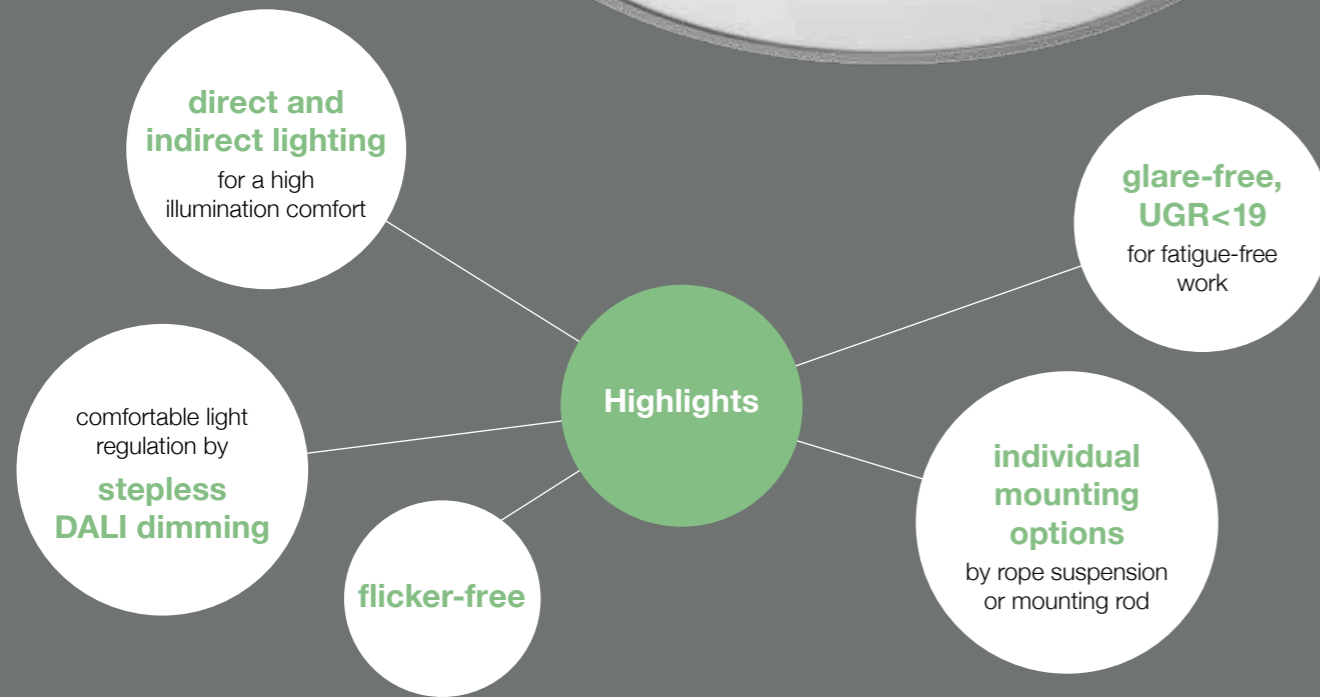
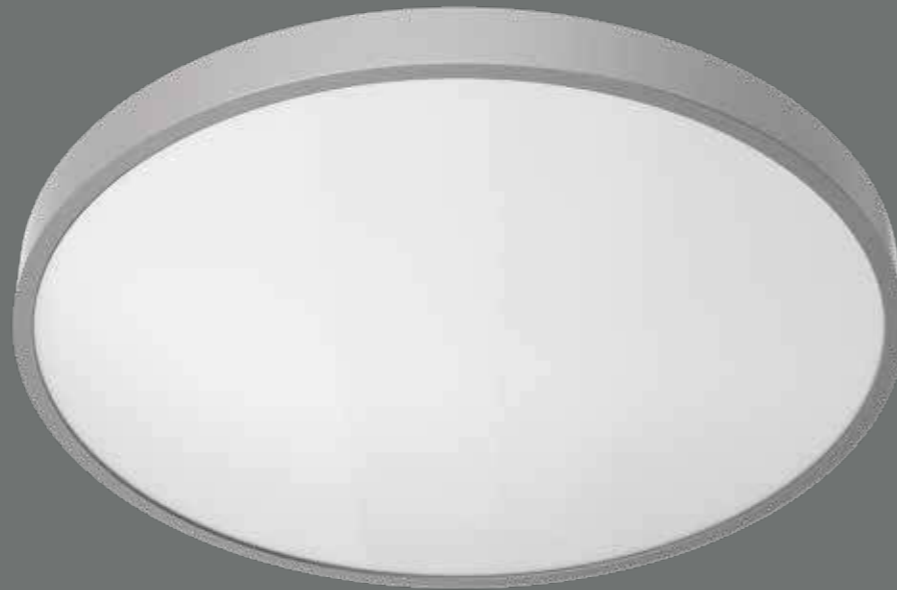
+ **50%** indirect emission

+ **50%** direct emission

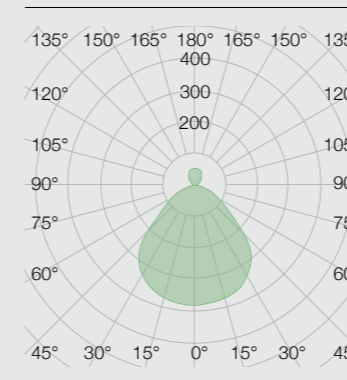


5 Years
Guarantee

OfficeLUX ORB



Polar distribution curve



OfficeLUX ORB

Technical data

Light flux	1.650 lm ↑ 3.850 lm ↓
Power consumption	18 - 47 W
Luminous efficiency	117 lm/W
Beam angle	110° ↑ 90° ↓
Light colour	4000 K
Switching cycles bf failure	> 500.000
Colour reproduction CRI (Ra)	> 80
Colour consistency	< 3 SDCM
Lifespan	> 50.000 h [L80, W10]
Weight	2,8 - 6,0 kg
Input voltage	200 - 240 V AC/DC, 50/60 Hz
Operating temperature	-20°C to +45°C
Through-wiring	5 x 0,75 mm²
Connection	with clamp, 5-pole
UV-resistant	no
Dimmable	DALI
IP Code	IP 20
Impact resistance	IK 04
Applicable in the food sector	no
Cover	prismatic
Housing colour	silvergrey
Housing material	Aluminium
Luminaires per circuit breaker	26 (18 W) 29 (29 W) 43 (47 W)
Luminaires per circuit breaker	44 48 43
Luminaires per circuit breaker	42 46 69
Luminaires per circuit breaker	71 78 69
Suitable as emergency light	on demand
Protection class	I

Light distribution

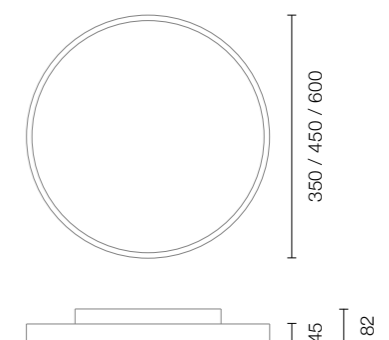
+ 30% indirect emission

+ 70% direct emission



Dimensions Ø x H in mm

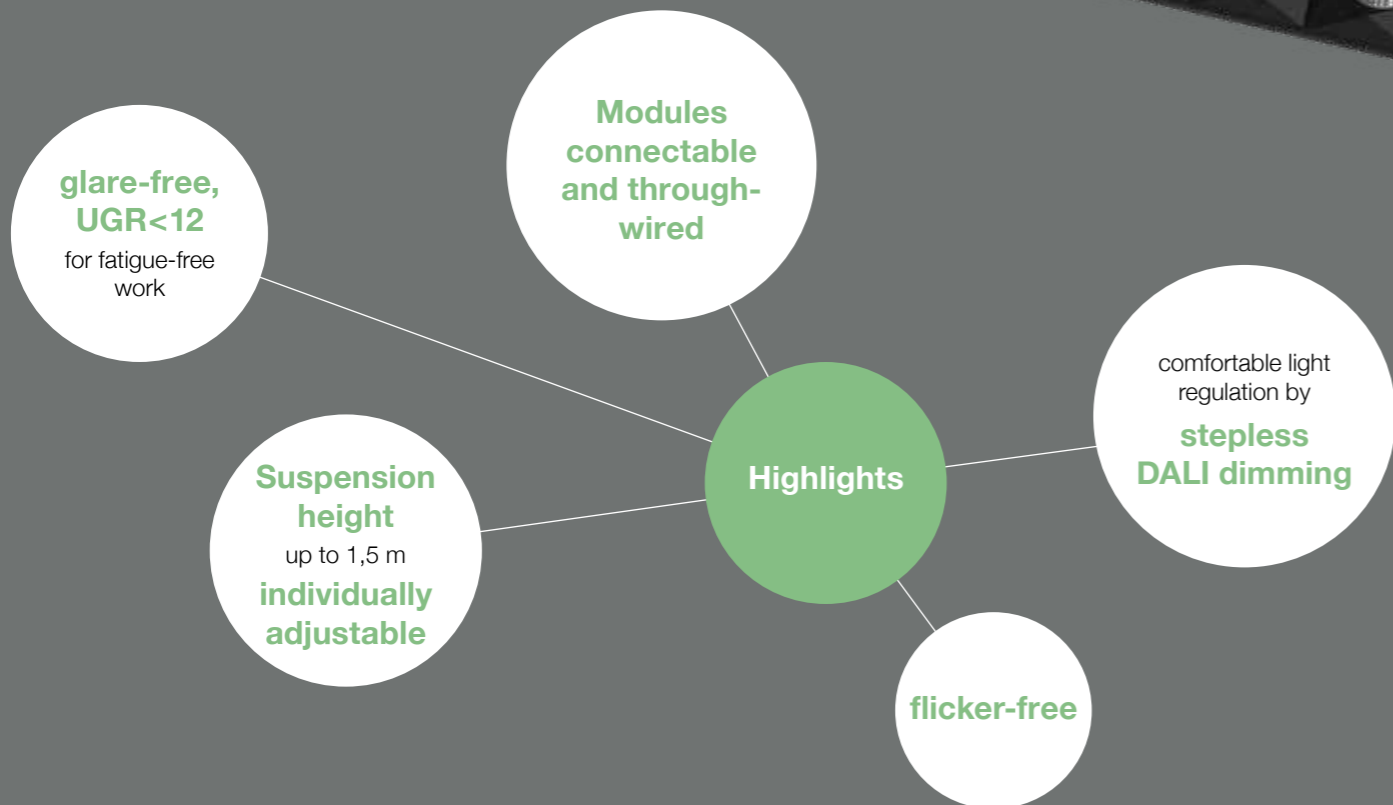
Ø350 / 450 / 600 x 45 (82)



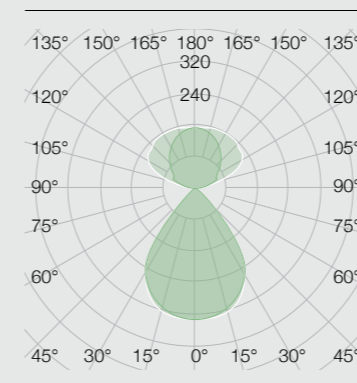
Detailed information can be found in the order overview on page 144.

OfficeLUX RAYET

5 Years
Guarantee



Polar distribution curve



OfficeLUX RAYET

Technical data

Light flux	3.300 lm ↑ 4.900 lm ↓
Power consumption	58 W
Luminous efficiency	141 lm/W
Beam angle	140° ↑ 80° ↓
Light colour	4000 K
Switching cycles bf failure	> 500.000
Colour reproduction CRI (Ra)	> 80
Colour consistency	< 3 SDCM
Lifespan	> 50.000 h [L80, B10]
Weight	3,2 kg
Input voltage	200 - 240 V AC/DC, 50/60 Hz
Operating temperature	-20°C to +45°C
Through-wiring	5 x 0,75 mm ²
Connection	with clamp, 5-pole
UV-resistant	no
Dimmable	DALI
IP Code	IP 20
Impact resistance	IK 04
Applicable in the food sector	no
Cover	clear
Housing colour	silvergrey
Housing material	Aluminium & PC
Luminaires per circuit breaker	35
Luminaires per circuit breaker	35
Luminaires per circuit breaker	55
Luminaires per circuit breaker	55
Suitable as emergency light	on demand
Protection class	I

Light all along the line

Up to 10 luminaires can be mounted with connecting bar

Light distribution

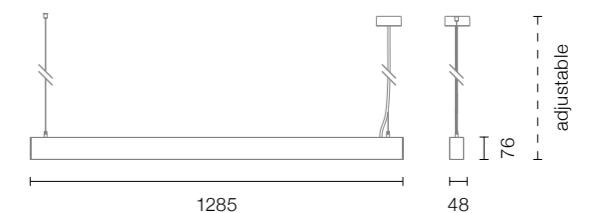
+ 40% indirect emission

+ 60% direct emission




Dimensions L x W x H in mm

1285 x 48 x 76 (adjustable)





Detailed information can be found in the order overview on page 144.

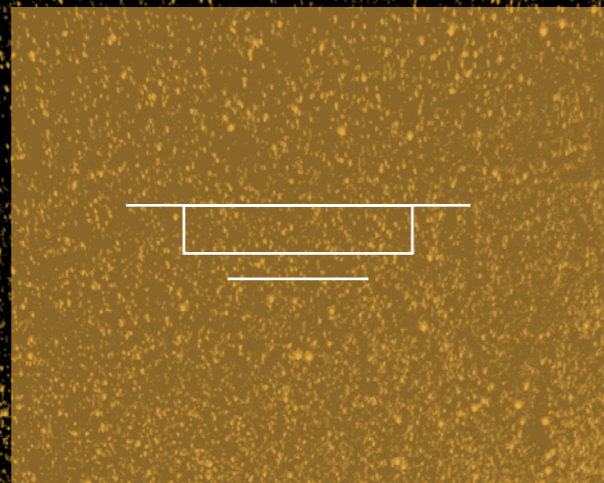
OfficeLUX

Product	Art.-Nr.	EAN		lm	Watt	Δ°	L x W x H in mm	Gross Price	PU
OfficeLUX SORA	120340580087	4260374015031	4000 K	700 \uparrow 4.000 \downarrow	58	110° \uparrow 90° \downarrow	1200 x 260 x 30 (62)	487,50 €	4
OfficeLUX SOLEE	120340580088	4260374015048	4000 K	1.900 \uparrow 3.900 \downarrow	58	110° \uparrow 90° \downarrow	1200 x 260 x 30	487,50 €	4
OfficeLUX KAPTEYN	120140750089	4260374015055	4000 K	3.600 \uparrow 3.600 \downarrow	75	110° \uparrow 90° \downarrow	610 x 310 x 1950	622,92 €	1
OfficeLUX KAPTEYN MOTION	120140750111	4260374015802	4000 K	3.600 \uparrow 3.600 \downarrow	75	110° \uparrow 90° \downarrow	610 x 310 x 1950	747,92 €	1
OfficeLUX ORB 350	123540180108	4260374015673	4000 K	600 \uparrow 1.500 \downarrow	18	110° \uparrow 90° \downarrow	Ø350 x 45 (82)	331,25 €	1
OfficeLUX ORB 450	124540030109	4260374015680	4000 K	1.000 \uparrow 2.400 \downarrow	29	110° \uparrow 90° \downarrow	Ø450 x 45 (82)	414,58 €	1
OfficeLUX ORB 600	126040480110	4260374015697	4000 K	1.650 \uparrow 3.850 \downarrow	47	110° \uparrow 90° \downarrow	Ø600 x 45 (82)	622,92 €	1
OfficeLUX RAYET	121240600107	4260374015666	4000 K	3.300 \uparrow 4.900 \downarrow	58	140° \uparrow 80° \downarrow	1285 x 48 x 76	602,08 €	4



Scope of delivery: All OfficeLUX products are incl. mounting material
OfficeLUX SOLEE incl. cable suspension
OfficeLUX RAYET incl. cable suspension and connecting bar

Accessories	Art.-Nr.	EAN	L x W x H in mm	Gross Price	PU
 Rope suspension set for OfficeLUX ORB	471220040055	4260374016700	1500	40,63 €	1
 Mounting rod for OfficeLUX ORB	471210040056	4260374016717	460	40,63 €	1



Recessed & Surface luminaires

Our recessed and surface-mounted luminaires hardly stand out from the ceiling due to their low mounting height and are therefore used in an extremely flexible and space-saving manner. Because of the simple installation, the homogeneous illumination and the modern design, the luminaires are equally suitable for large-area lighting.

NeaLUX	148
InteriorLUX	150
PanelLUX SLIM	152
NoviLUX FLEX ROUND SQUARE	156
NoviLUX PRO	158
Order overview	160

5 Years
Guarantee

NeaLUX

NEW



Areas of application
Offices
Educational facilities
Corridors and hallways

DIP switch
to adjust the
light intensity
50% | 100%

Use of existing boreholes possible

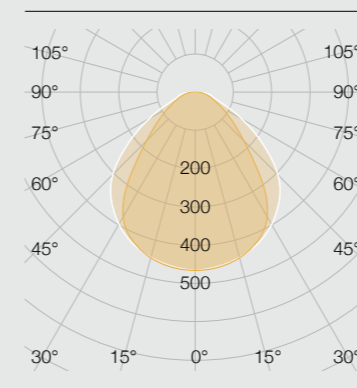
Highlights

Glare free until
UGR < 19

complete coverage of the old installation

- CE
- D
- IP 40
- IK 03
- SWITCH

Polar distribution curve

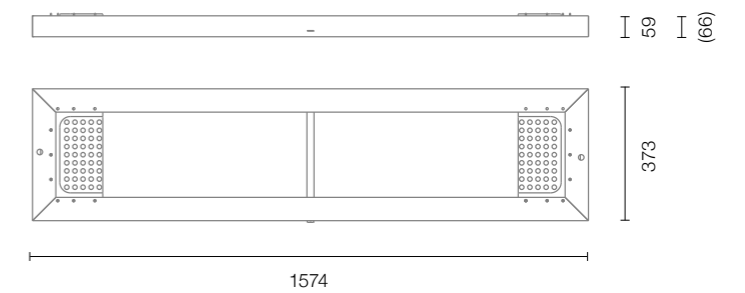


NeaLUX

Technical data	
Light flux	6.500 lm
Power consumption	54 W
Luminous efficiency	120 lm/W
Beam angle	100°
Light colour	4000 K
Switching cycles bf failure	> 500.000
Colour reproduction CRI (Ra)	> 80
Colour consistency	< 5 SDCM
Lifespan	> 50.000 h [L80, W10]
Weight	8,0 kg
Input voltage	200 – 240 V AC/DC, 50/60 Hz
Operating temperature	-20 to +40 °C
Through-wiring	yes
Connection	Clamp 3-pole
UV-resistant	yes
Dimmable	DIP switch
IP Code	IP 40
Impact resistance	IK 03
Applicable in the food sector	no
Cover	prismatic
Housing colour	white
Housing material	Aluminium & PC
Luminaires per circuit breaker	13
Luminaires per circuit breaker	22
Luminaires per circuit breaker	21
Luminaires per circuit breaker	36
Suitable as emergency light	no
Protection class	II

Dimensions Ø x H in mm

1574 x 373 x 59 (66)

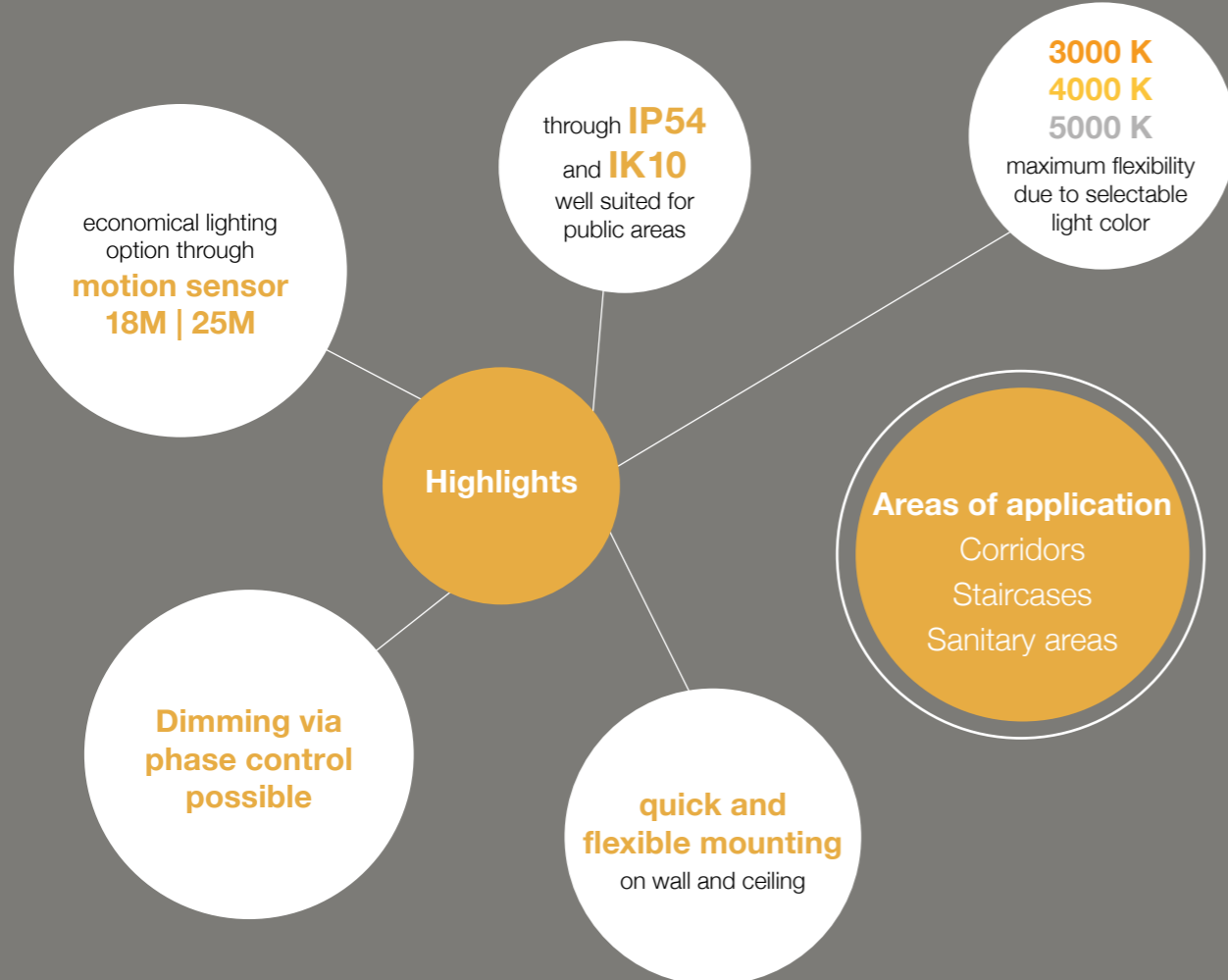


Detailed information can be found in the order overview on page 160.

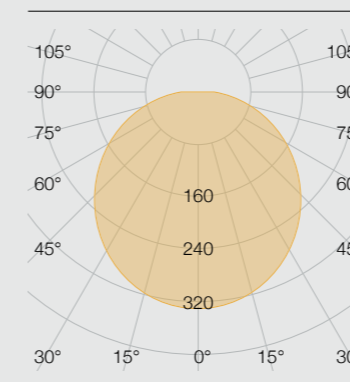
Recessed & Surface

3 Years
Guarantee

InteriorLUX



Polar distribution curve



InteriorLUX



Integrated motion sensor

HF-Sensor
Detection angle 150°, max. height 4 m, detection range Ø 10 m for installation height 3 m

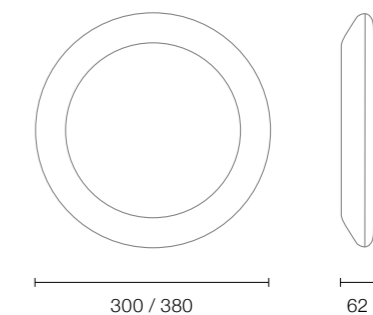
Setting options
Brightness, time, detection range

Technical data

Light flux	up to 2.500 lm
Power consumption	18 25 W
Luminous efficiency	100 lm/W
Beam angle	120°
Light colour	3000 4000 5000 K
Switching cycles bf failure	> 500.000
Colour reproduction CRI (Ra)	> 80
Colour consistency	< 5 SDCM
Lifespan	> 50.000 h [L80, W10]
Weight	0,9 - 1,4 kg
Input voltage	200 - 240 V AC/DC, 50/60 Hz
Operating temperature	-25°C to +45°C
Through-wiring	3 x 2,5 mm ²
Connection	with clamp, 3-pole
UV-resistant	no
Dimmable	with LED phase gating -/- sectional dimmer
IP Code	IP 54
Impact resistance	IK 10
Applicable in the food sector	yes
Cover	diffuse
Housing colour	white
Housing material	PC
Luminaires per circuit breaker	115 (18 W) 83 (25 W)
Luminaires per circuit breaker	115 83
Luminaires per circuit breaker	184 132
Luminaires per circuit breaker	184 132
Suitable as emergency light	yes
Protection class	II

Dimensions Ø x H in mm

Ø300 / 380 x 62

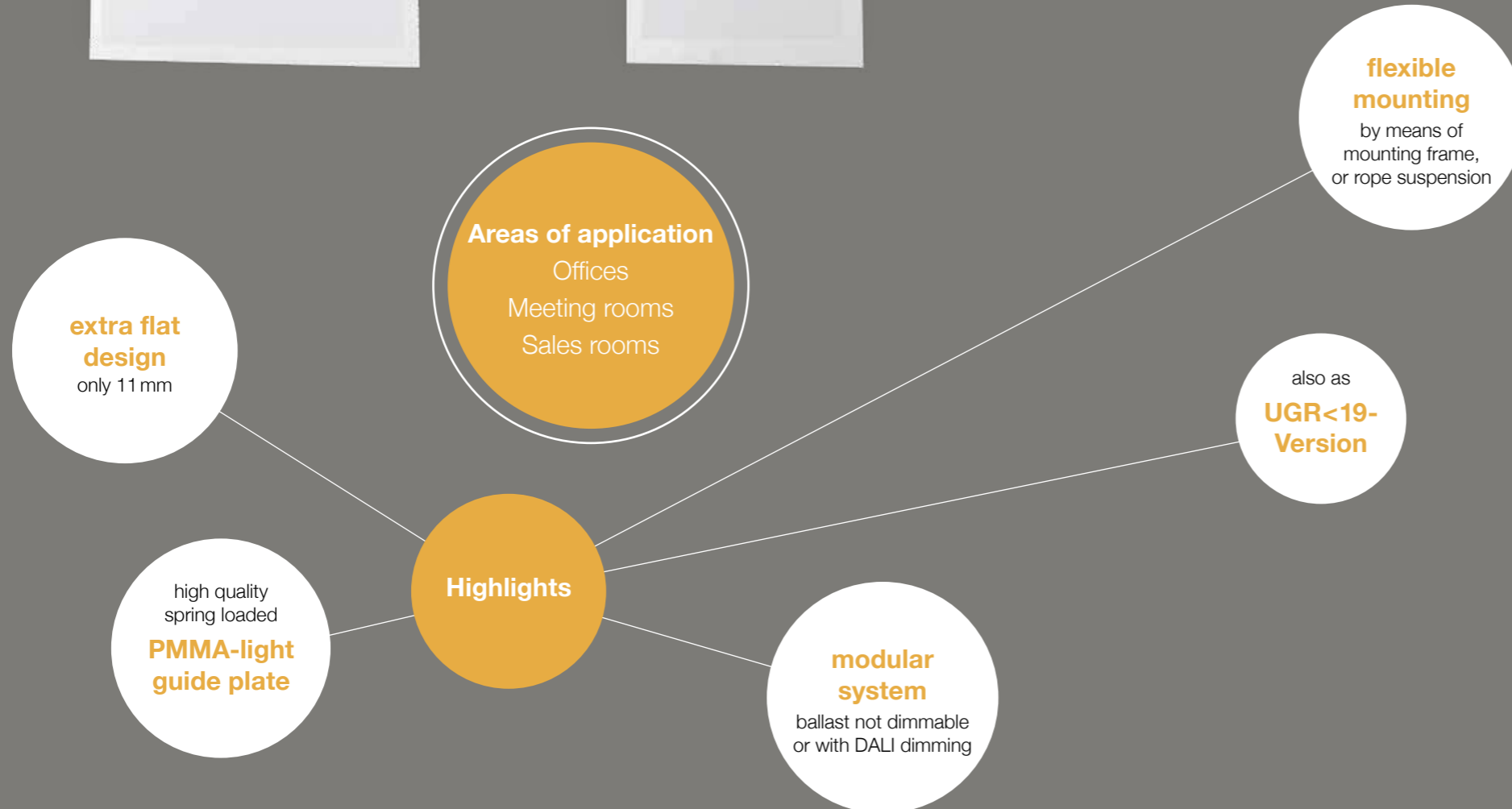


Detailed information can be found in the order overview on page 160.

4 Years
Guarantee



PanelLUX SLIM



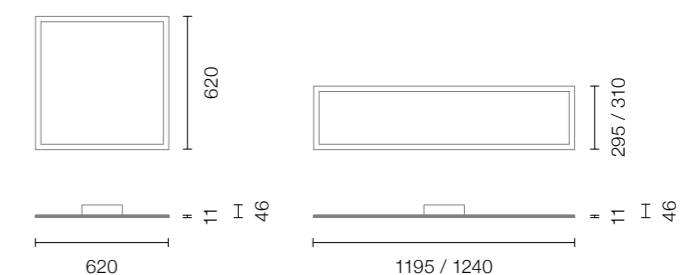
Technical data

Light flux	up to 4.000 lm
Power consumption	35 38 W
Luminous efficiency	up to 111 lm/W
Beam angle	100° 110°
Light colour	4000 5000 K
Switching cycles bf failure	> 500.000
Colour reproduction CRI (Ra)	> 80
Colour consistency	< 5 SDCM
Lifespan	> 50.000 h [L80, W10]
Weight	2,7 - 3,0 kg
Input voltage	200 - 240 V AC/DC, 50/60 Hz
Operating temperature	-25 to +45°C
Through-wiring	optional
Connection	with cable/clamp, 2-/4-pole
UV-resistant	yes
Dimmable	DALI Push dim optional
IP Code	IP 20
Impact resistance	IK 04
Applicable in the food sector	yes
Cover	diffuse prismatic
Housing colour	white
Housing material	Aluminium & PS PMMA
Luminaires per circuit breaker	52
Luminaires per circuit breaker	52
Luminaires per circuit breaker	83
Luminaires per circuit breaker	83
Suitable as emergency light	on demand
Protection class	II

Recessed & Surface

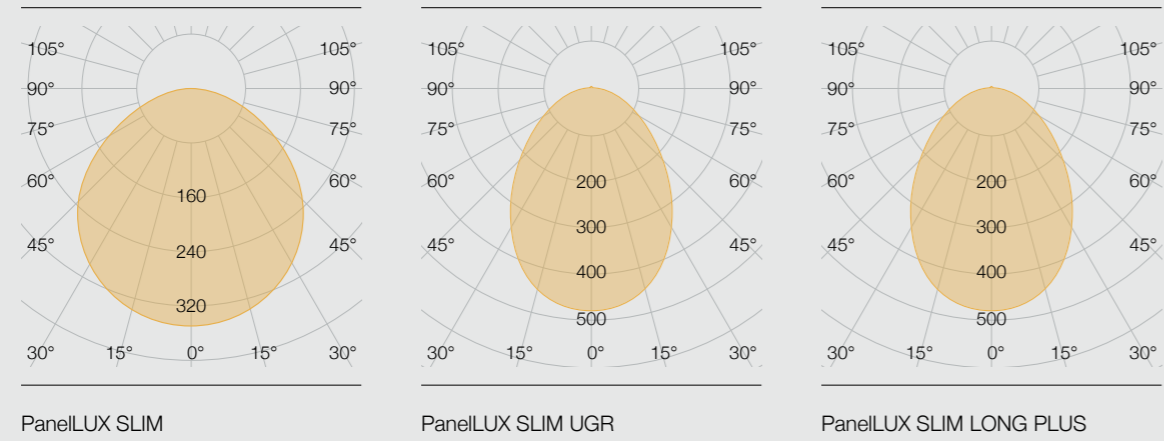
Dimensions L x W x H in mm

620 x 620 x 11 (46)
1195 x 295 x 11 (46)
1240 x 310 x 11 (46)

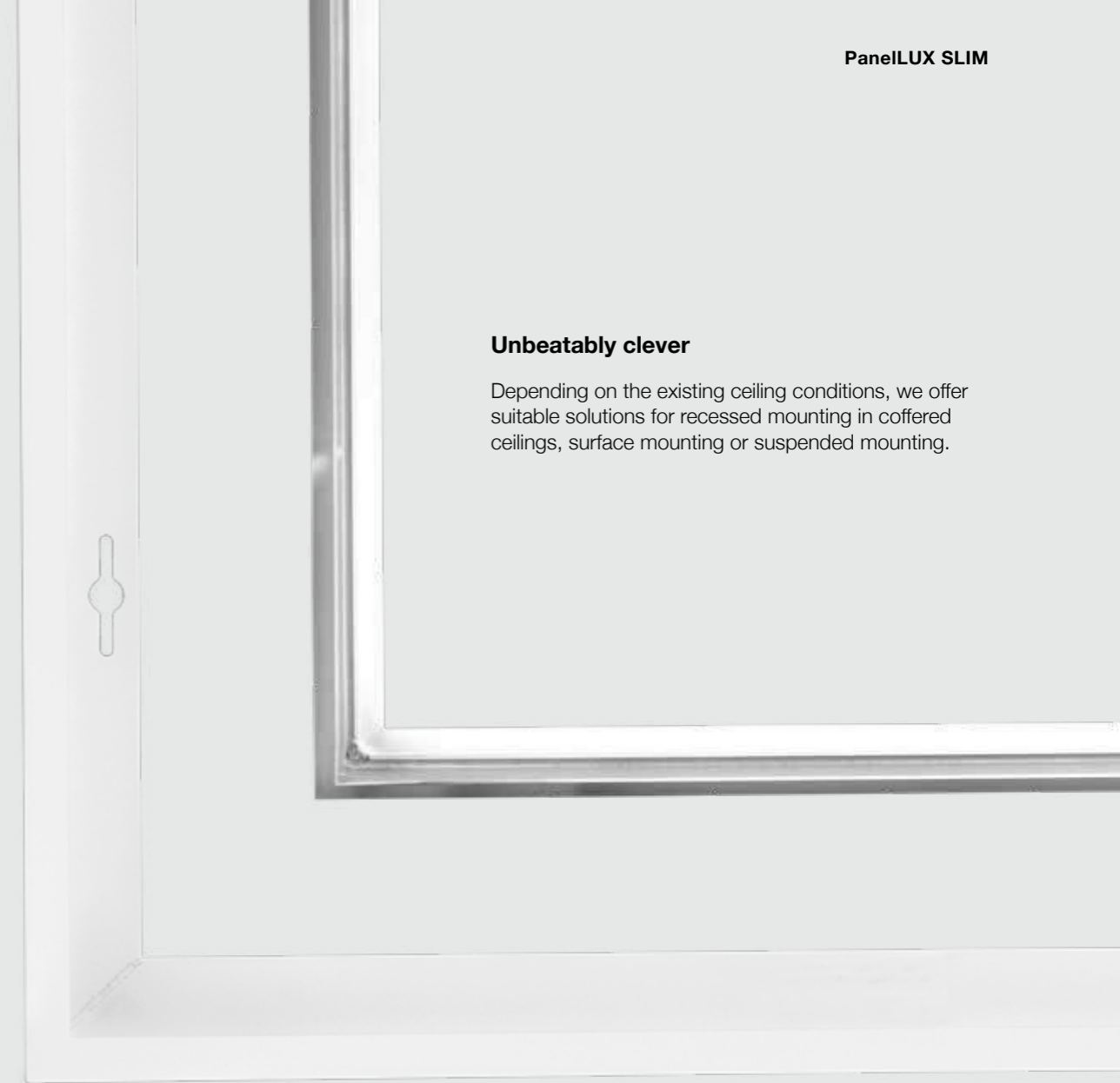


Detailed information can be found in the order overview on page 160.

Light distribution curve



Accessories

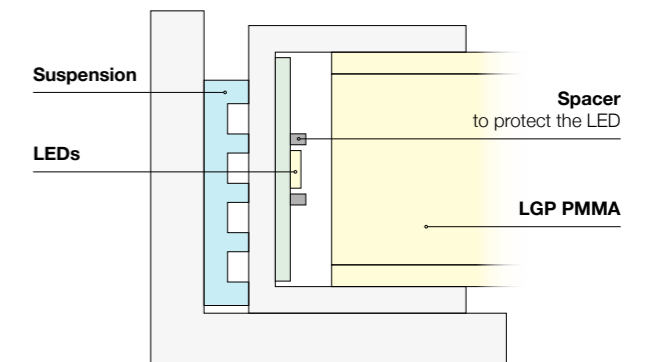


Unbeatably clever

Depending on the existing ceiling conditions, we offer suitable solutions for recessed mounting in coffered ceilings, surface mounting or suspended mounting.

High quality and sophisticated panel design in slim packaging

The LGP (light guide plate) made of PMMA prevents UV radiation from yellowing on the panel over time. The additional cushioning of the LGP levels out expansion and thus prevents damage to the LEDs.



3 Years
Guarantee

NoviLUX FLEX ROUND

NEW



NoviLUX FLEX SQUARE

NEW



3 colors of light available

3000 K
4000 K
6500 K

Use as surface mounted luminaire or recessed luminaire

Highlights

Low installation height

Use of existing mounting holes possible

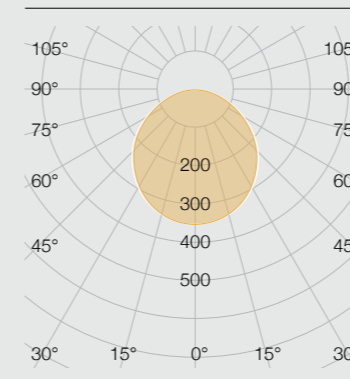
Ø 55 - 250 mm

Areas of application

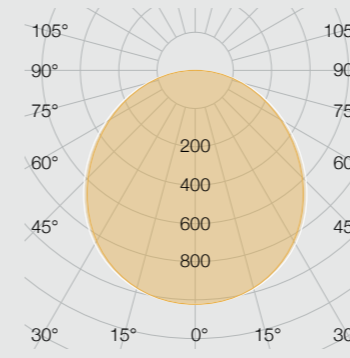
Showrooms
Sanitary areas
Meeting rooms
surgeries / corridors
Staircases



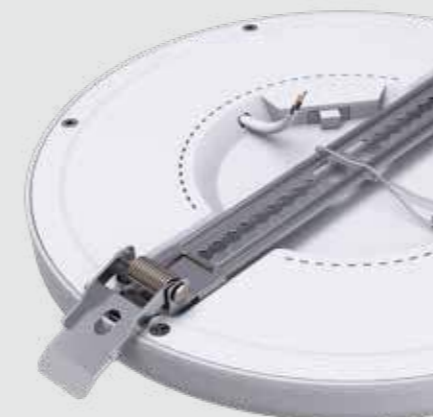
Polar distribution curve



NoviLUX FLEX ROUND



NoviLUX FLEX SQUARE



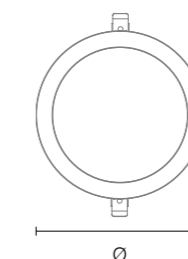
Technical data

Light flux	up to 2.200 lm
Power consumption	12 – 24 W
Luminous efficiency	up to 92 lm/W
Beam angle	110°
Light colour	3000 4000 6500 K
Switching cycles bf failure	> 50.000
Colour reproduction CRI (Ra)	> 80
Colour consistency	< 5 SDCM
Lifespan	> 25.000 h [L70, W10]
Weight	0,2 – 0,6 kg
Input voltage	200 – 240 V AC/DC, 50/60 Hz
Operating temperature	-20 to +40 °C
Through-wiring	no
Connection	Connection cable 2 x 1.0 mm ² Length 0.3 m
UV-resistant	no
Dimmable	with LED phase on/ sectional dimmer
IP Code	IP 20
Impact resistance	IK 05
Applicable in the food sector	no
Cover	diffuse
Housing colour	white
Housing material	PC
Luminaires per circuit breaker	142 (12 W) 115 (18 W) 86 (24 W)
Luminaires per circuit breaker	173 115 86
Luminaires per circuit breaker	228 184 138
Luminaires per circuit breaker	276 184 138
Suitable as emergency light	no
Protection class	II

Dimensions Ø x H in mm

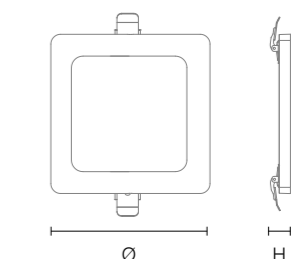
NoviLUX FLEX ROUND

Ø 164 (55-125) x 15
Ø 217 (55-175) x 15
Ø 291 (60-250) x 15



NoviLUX FLEX SQUARE

Ø 164 x 164 (55-125) x 15
Ø 217 x 217 (55-175) x 15
Ø 291 x 291 (60-250) x 15



For detailed information, please refer to the ordering overview on page 162.

3 Years
Guarantee

NoviLUX PRO



NoviLUX PRO 70



Areas of application
Showrooms
Salesrooms
Sanitary areas

toolless assembly
through tension springs

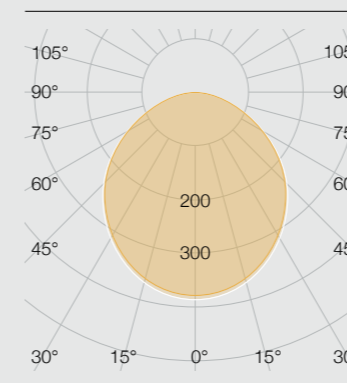
ballast included

low installation height

Highlights

also in protected outdoor areas usable
due to IP44

Polar distribution curve



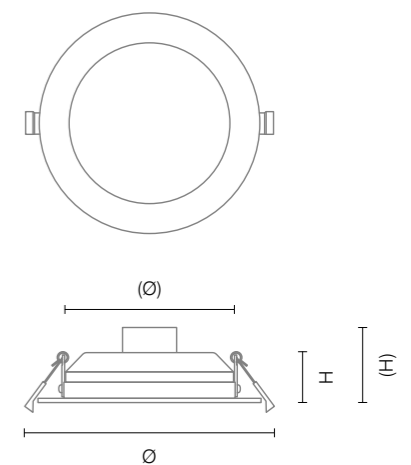
NoviLUX PRO

Technical data

Light flux	up to 3.200 lm
Power consumption	8 - 24 W
Luminous efficiency	up to 133 lm/W
Beam angle	110°
Light colour	4000 K
Switching cycles bf failure	> 500.000
Colour reproduction CRI (Ra)	> 80
Colour consistency	< 5 SDCM
Lifespan	> 50.000 h [L80, W10]
Weight	0,2 - 0,5 kg
Input voltage	220 - 240 V AC/DC, 50/60 Hz
Operating temperature	-25°C to +50°C
Through-wiring	yes
Connection	with cable, 2-pole, cable length: 0.2 m
UV-resistant	yes
Dimmable	DALI on demand
IP Code	IP 44 IP20 for NoviLUX PRO 70
Impact resistance	IK 08
Applicable in the food sector	yes
Cover	diffuse
Housing colour	white
Housing material	PC
Luminaires per circuit breaker	49 21 104 104 104
Luminaires per circuit breaker	82 35 104 104 104
Luminaires per circuit breaker	79 34 166 166 166
Luminaires per circuit breaker	132 57 166 166 166
Suitable as emergency light	on demand
Protection class	II

Dimensions Ø x H in mm



- Ø 100 (70) x 35 (58)
- Ø 144 (125) x 46 (69)
- Ø 180 (150) x 46 (74)
- Ø 193 (175) x 46 (74)
- Ø 220 (200) x 50 (78)



(Ø) = diameter ceiling cutout
Ø = luminaire diameter



Detailed information can be found in the order overview on page 162.


NeaLUX

Product	Art.-Nr.	EAN		lm	Watt		Ø x H in mm	Gross Price	PU
NeaLUX 1500	161540400133	4260374017318	4000 K	6.000	54	100°	1.574 x 373 x 59 (66)	343,75 €	1



 Scope of delivery: incl. mounting material

InteriorLUX

Product	Art.-Nr.	EAN		lm	Watt		Ø x H in mm	Gross Price	PU
InteriorLUX 18 K3	133040180098	4260374015222	3000 K 4000 K 5000 K	1.800	18	180°	Ø300 x 62	72,71 €	10
InteriorLUX 18M K3	133040180099	4260374015239	3000 K 4000 K 5000 K	1.800	18	180°	Ø300 x 62	93,54 €	10
InteriorLUX 25 K3	133840250096	4260374015208	3000 K 4000 K 5000 K	2.500	25	180°	Ø380 x 62	103,96 €	6
InteriorLUX 25M K3	133840250097	4260374015215	3000 K 4000 K 5000 K	2.500	25	180°	Ø380 x 62	124,79 €	6

 Scope of delivery: incl. mounting material








PanelLUX SLIM


Product	Art.-Nr.	EAN		lm		L x W x H in mm	Gross Price	PU
PanelLUX SLIM UGR	626240380011	4260374014683	4000 K	3.900	100°	620 x 620 x 11 (46)	67,71 €	5
PanelLUX SLIM	626240380010	4260374014676	4000 K	4.000	110°	620 x 620 x 11 (46)	61,46 €	5
PanelLUX SLIM	626250380017	4260374015710	5000 K	4.000	110°	620 x 620 x 11 (46)	61,46 €	5
PanelLUX SLIM LONG UGR	626240380012	4260374014690	4000 K	3.900	100°	1195 x 295 x 11 (46)	78,13 €	5
PanelLUX SLIM LONG PLUS UGR	626240350018	4260374015840	4000 K	3.900	100°	1240 x 310 x 11 (46)	113,54 €	5

 Without ballast. Also in 5000 K on request


All prices refer to 1 piece plus VAT.

 NEW in our assortment


Accessories	Art.-Nr.	EAN	Watt	L x W x H in mm	Gross Price	PU
 VSG not dimmable for SLIM / SLIM LONG	624738020013	4260374014706	38		15,63 €	1
 VSG DALI for SLIM / SLIM LONG	624738030014	4260374014713	38		51,04 €	1
 VSG DALI + Push-Dim for SLIM / SLIM LONG	624738040015	4260374014973	38		71,88 €	1
 VSG not dimmable for PanelLUX SLIM LONG PLUS	624735020019	4260374015857	35		15,63 €	1
 Rope suspension for SLIM / SLIM LONG	476210040041	4260374014744		Set à 1000	19,79 €	1
 recessed mounted frame for (not for LONG)	476262080040	4260374014737		620 x 620 x 35	40,63 €	10
 surface mounted frame for (not for LONG)	476262070039	4260374014720		620 x 620 x 50	46,88 €	5

 VSG = ballast unit


All prices refer to 1 piece plus VAT.

 NEW in our assortment

NoviLUX FLEX ROUND | SQUARE

Product	Art.-Nr.	EAN		lm	Watt	Δ°	Ø x H in mm	Gross Price	PU
NoviLUX FLEX ROUND 12 K3	501295160028	4260374017257	3000 K 4000 K 6500 K	1.000	12	110°	Ø 164 (55-125) x 15	34,38 €	40
NoviLUX FLEX ROUND 18 K3	501895220030	4260374017271	3000 K 4000 K 6500 K	1.650	18	110°	Ø 216 (55-175) x 15	48,96 €	20
NoviLUX FLEX ROUND 24 K3	502495290032	4260374017295	3000 K 4000 K 6500 K	2.200	24	110°	Ø 291 (60-260) x 15	67,71 €	10
NoviLUX FLEX SQUARE 12 K3	501295160029	4260374017264	3000 K 4000 K 6500 K	1.000	12	110°	Ø 164 x 164 (55-125) x 15	38,54 €	40
NoviLUX FLEX SQUARE 18 K3	501895220031	4260374017288	3000 K 4000 K 6500 K	1.650	18	110°	Ø 217 x 217 (55-175) x 15	53,13 €	20
NoviLUX FLEX SQUARE 24 K3	502495290033	4260374017301	3000 K 4000 K 6500 K	2.200	24	110°	Ø 291 x 291 (60-250) x 15	71,88 €	10

NoviLUX PRO

Product	Art.-Nr.	EAN		lm	Watt	Δ°	Ø x H in mm	Gross Price	PU
NoviLUX PRO 70	500940070012	4260374013860	4000 K	640	8	110°	Ø 100 (70) x 35 (58)	34,38 €	30
NoviLUX PRO 125*	501240100022	4260374014614	4000 K	980	10	110°	Ø 144 (125) x 46 (69)	46,88 €	40
NoviLUX PRO 150*	501540150019	4260374014645	4000 K	1.700	15	110°	Ø 180 (150) x 46 (74)	61,46 €	30
NoviLUX PRO 175*	501740200023	4260374014621	4000 K	2.300	19	110°	Ø 193 (175) x 46 (74)	71,88 €	30
NoviLUX PRO 200*	502040250024	4260374014638	4000 K	3.200	24	110°	Ø 220 (200) x 50 (78)	90,63 €	10



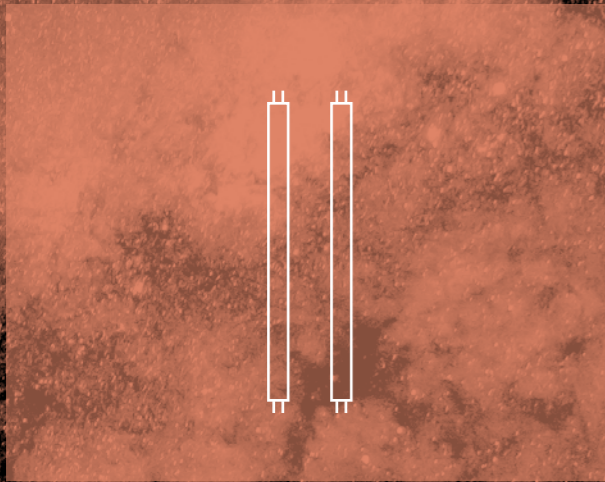
*Including ballast in IP 20. Ballast with DALI / IP 20 on request.

LED-Tubes

The **lichtline** LED tubes convince with an exceptionally high luminous efficacy at differentiated color temperatures from 2700 K to 6500 K. The LED tubes achieve their service life of more than 50,000 hours, among other things, through aluminum heat sinks for effective heat dissipation. These illuminants convince with high-quality light and are therefore suitable as a replacement for any conventional fluorescent tube.

DeLUX **PROFESSIONAL PLUS | INDUSTRY** _____ 166

Order overview _____ 168



4 Years
Guarantee

DeLUX

PROFESSIONAL PLUS INDUSTRY

Areas of application

Production halls
Warehouses
Corridors



high lumen package
up to 4.200 lm
for ceiling heights up to 12 m

insert with
KVG, VVG and on 230V

Highlights

>500.000 switching cycles

assumption of conformity
from **lichtline**
when rewiring ECGs

VDE certified

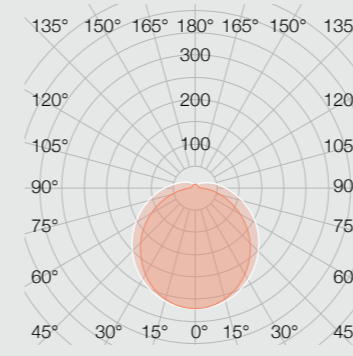
deep and wide assortment

sizes even outside the standard



* VDE applies to lengths 1500, 1200, 900 and 600 mm.

Polar distribution curve



DeLUX PROFESSIONAL PLUS | INDUSTRY

Technical data

Light flux	up to 4.200 lm
Power consumption	up to 28 W
Luminous efficiency	up to 150 lm/W
Beam angle	130°
Light colour	2700 3000 4000 5000 6500 K
Switching cycles bf failure	> 500.000
Colour reproduction CRI (Ra)	> 83
Colour consistency	< 3 SDCM
Lifespan	> 50.000 h [L80, W10]
Weight	up to 0,3 kg
Input voltage	220 - 240V AC/DC, 50/60Hz
Operating temperature	-20°C to +50°C
Through-wiring	-
Connection	G13 socket
UV-resistant	yes
Dimmable	on demand
IP Code	IP 40
Impact resistance	IK 08
Applicable in the food sector	yes
Cover	diffuse
Housing colour	white
Housing material	PC
Luminaires per circuit breaker	on demand
Luminaires per circuit breaker	on demand
Luminaires per circuit breaker	on demand
Luminaires per circuit breaker	on demand
Suitable as emergency light	on demand
Protection class	II

Dimensions L x Ø in mm



361 / 438 / 590 / 895 / 970 / 1200 / 1500 x Ø26



361 / 438 / 600 / 900 / 970 / 1200 / 1500



Detailed information can be found in the order overview on page 168.

DeLUX PROFESSIONAL PLUS



Product	Art.-Nr.	EAN		lm	Watt		L x Ø in mm	Gross Price	PU
DeLUX PROFESSIONAL PLUS 1500	881565100228R	4260374011361	6500 K	4.200	28	130°	1500 x Ø26	57,29 €	25
DeLUX PROFESSIONAL PLUS 1500	881550100228R	4260374011989	5000 K	4.200	28	130°	1500 x Ø26	57,29 €	25
DeLUX PROFESSIONAL PLUS 1500	881540100228R	4260374011378	4000 K	4.200	28	130°	1500 x Ø26	57,29 €	25

 Scope of delivery: incl. LED starter


DeLUX INDUSTRY

Product	Art.-Nr.	EAN		lm	Watt		L x Ø in mm	Gross Price	PU
DeLUX INDUSTRY 1500	881565100224R	4260374011316	6500 K	3.350	24	130°	1500 x Ø26	46,88 €	25
DeLUX INDUSTRY 1500	881550100224R	4260374011323	5000 K	3.350	24	130°	1500 x Ø26	46,88 €	25
DeLUX INDUSTRY 1500	881540100224R	4260374011330	4000 K	3.350	24	130°	1500 x Ø26	46,88 €	25
DeLUX INDUSTRY 1500	881530100224R	4260374011903	3000 K	3.250	24	130°	1500 x Ø26	46,88 €	25
DeLUX INDUSTRY 1500	881527100224R	4260374011910	2700 K	3.250	24	130°	1500 x Ø26	46,88 €	25
DeLUX INDUSTRY 1200	881265100218R	4260374011408	6500 K	2.500	18	130°	1200 x Ø26	42,71 €	25
DeLUX INDUSTRY 1200	881250100218R	4260374011415	5000 K	2.500	18	130°	1200 x Ø26	42,71 €	25
DeLUX INDUSTRY 1200	881240100218R	4260374011422	4000 K	2.500	18	130°	1200 x Ø26	42,71 €	25
DeLUX INDUSTRY 1200	881230100218R	4260374011439	3000 K	2.400	18	130°	1200 x Ø26	42,71 €	25
DeLUX INDUSTRY 1200	881227100218R	4260374011446	2700 K	2.400	18	130°	1200 x Ø26	42,71 €	25
DeLUX INDUSTRY 970	881065100212R	4260374011453	6500 K	1.600	12	130°	970 x Ø26	50,00 €	25
DeLUX INDUSTRY 970	881050100212R	4260374011460	5000 K	1.600	12	130°	970 x Ø26	50,00 €	25
DeLUX INDUSTRY 970	881040100212R	4260374011477	4000 K	1.600	12	130°	970 x Ø26	50,00 €	25
DeLUX INDUSTRY 970	881030100212R	4260374011484	3000 K	1.500	12	130°	970 x Ø26	50,00 €	25
DeLUX INDUSTRY 970	881027100212R	4260374011491	2700 K	1.500	12	130°	970 x Ø26	50,00 €	25
DeLUX INDUSTRY 900	880965100210R	4260374011507	6500 K	1.350	10	130°	900 x Ø26	45,83 €	25
DeLUX INDUSTRY 900	880950100210R	4260374011514	5000 K	1.350	10	130°	900 x Ø26	45,83 €	25
DeLUX INDUSTRY 900	880940100210R	4260374011521	4000 K	1.350	10	130°	900 x Ø26	45,83 €	25
DeLUX INDUSTRY 900	880930100210R	4260374011538	3000 K	1.250	10	130°	900 x Ø26	45,83 €	25
DeLUX INDUSTRY 900	880927100210R	4260374011545	2700 K	1.250	10	130°	900 x Ø26	45,83 €	25
DeLUX INDUSTRY 600	880665100207R	4260374011552	6500 K	1.000	7,5	130°	600 x Ø26	34,38 €	25
DeLUX INDUSTRY 600	880650100207R	4260374011569	5000 K	1.000	7,5	130°	600 x Ø26	34,38 €	25
DeLUX INDUSTRY 600	880640100207R	4260374011576	4000 K	1.000	7,5	130°	600 x Ø26	34,38 €	25
DeLUX INDUSTRY 600	880630100207R	4260374011583	3000 K	900	7,5	130°	600 x Ø26	34,38 €	25
DeLUX INDUSTRY 600	880627100207R	4260374011590	2700 K	900	7,5	130°	600 x Ø26	34,38 €	25

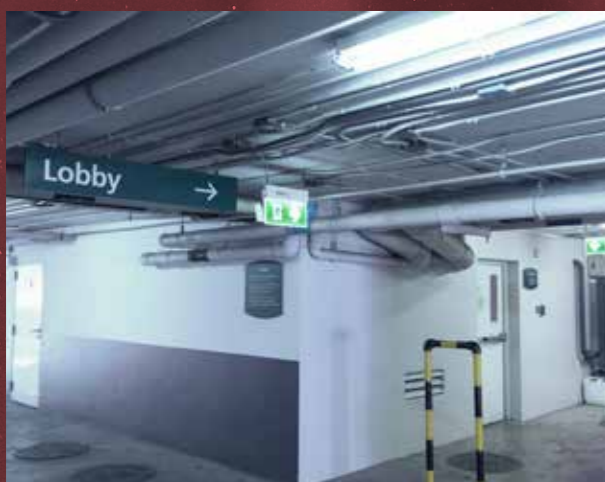
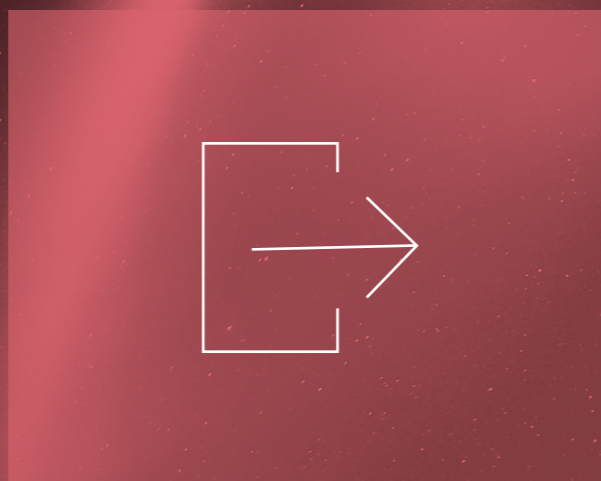
All prices refer to 1 piece plus VAT.

Product	Art.-Nr.	EAN		lm	Watt		L x Ø in mm	Gross Price	PU
DeLUX industry 438	880465100205R	4260374011606	6500 K	650	5	130°	438 x Ø26	45,83 €	25
DeLUX industry 438	880450100205R	4260374011613	5000 K	650	5	130°	438 x Ø26	45,83 €	25
DeLUX industry 438	880440100205R	4260374011620	4000 K	650	5	130°	438 x Ø26	45,83 €	25
DeLUX industry 438	880430100205R	4260374011637	3000 K	600	5	130°	438 x Ø26	45,83 €	25
DeLUX industry 438	880427100205R	4260374011644	2700 K	600	5	130°	438 x Ø26	45,83 €	25
DeLUX industry 361	880365100204R	4260374011651	6500 K	500	4	130°	361 x Ø26	45,83 €	25
DeLUX industry 361	880350100204R	4260374011668	5000 K	500	4	130°	361 x Ø26	45,83 €	25
DeLUX industry 361	880340100204R	4260374011675	4000 K	500	4	130°	361 x Ø26	45,83 €	25
DeLUX industry 361	880330100204R	4260374011682	3000 K	500	4	130°	361 x Ø26	45,83 €	25
DeLUX industry 361	880327100204R	4260374011699	2700 K	500	4	130°	361 x Ø26	45,83 €	25

 Scope of delivery: incl. LED starter

Accessories	Art.-Nr.	EAN	Gross Price	PU
 Starter bracket for ECG conversions	474588000018	4260374014027	0,83 €	1

All prices refer to 1 piece plus VAT.



Emergency exit luminaires

In emergency situations, things have to happen quickly. Here, perfect marking of escape routes is essential. Our escape sign luminaires offer a lighting solution with high recognition range and comply with DIN EN 60598-1/2-22. Easy to mount on walls or ceilings, they are designed for continuous operation with reliable technology and robust polycarbonate housing.

Emergency light **KAPPA** | **SIGMA 48** | **SIGMA 49** _____ 172

Order overview _____ 174

5 Years
Guarantee

Emergency light

KAPPA SIGMA 48 SIGMA 49



KAPPA

- Polycarbonate housing with opal luminaire cover included
- pictogram foil set (3 parts) for one-sided or two-sided pictogram equipment
- for wall and ceiling mounting
- recognition distance: 22 m



SIGMA 48

- extremely slim, attractive polycarbonate housing
- screwless, easy to handle
- locking mechanism
- design as disc luminaire with 10 mm light deflecting disc and exchangeable pictograms
- for wall and ceiling mounting
- recognition range: 23 m



SIGMA 49

- extremely slim, attractive polycarbonate housing
- screwless, easy-to-use locking mechanism
- design as disk luminaire with 10 mm light deflecting disk and exchangeable pictograms for disks
- for ceiling mounting, incl. rope suspension (max. 1.5 m)
- recognition range: 30 m

Areas of application
Emergency exits
Escape routes

Detection distance up to 30 m

Emergency exit luminaires according to
DIN EN 60598-1/2-22

with **Selflux-Autotest**

Highlights

CE

D

KAPPA IP 54

SIGMA 48 | 49 IP 43

IK 08

D'E

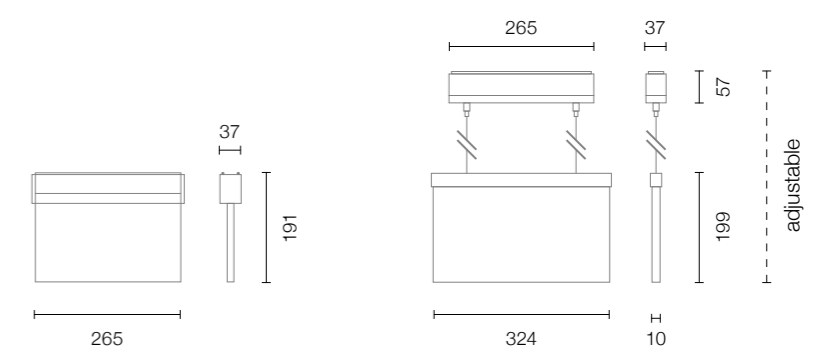
individual solutions
selectable for every area

Technical data

Light flux	130 - 350 lm
Power consumption	4,5 5,5 6 VA
Luminous efficiency	-
Beam angle	-
Light colour	5000 K
Switching cycles bf failure	-
Colour reproduction CRI (Ra)	-
Colour consistency	-
Lifespan	> 50.000 h
Weight	0,6 - 1,2 kg
Input voltage	230V, 50/60 Hz / 220 V DC +25/-20%
Operating temperature	0 to +35°C for single battery -10 to +40°C for central battery
Through-wiring	no
Connection	with terminal, 2-pole
UV-resistant	no
Dimmable	no
IP Code	IP 43 IP 54
Impact resistance	IK 08
Applicable in the food sector	yes
Cover	diffuse
Housing colour	white
Housing material	PC
Luminaires per circuit breaker	-
Luminaires per circuit breaker	-
Luminaires per circuit breaker	-
Luminaires per circuit breaker	-
Suitable as emergency light	yes
Protection class	II


Dimensions L x W x H in mm


- 239 x 164 x 59
- 265 x 191 x 37
- 324 x 199 (adjustable) x 10



You will find detailed information in the order overview on page 174.

Emergency exit luminaires

Product	Art.-Nr.	EAN		lm	L x W x H in mm	Gross Price	PU
Emergency light KAPPA 46U with single battery	K46UT003SL	4260374015406	5000 K	130	239 x 164 x 59	247,92 €	1
Emergency light SIGMA-L48 with single battery	SL48U003SL	4260374015413	5000 K	260	265 x 191 x 37	322,92 €	1
Emergency light SIGMA-L49 with single battery	SL49DMS003SL	4260374015420	5000 K	350	324 x 199 x 10 (adjustable)	414,58 €	1
Emergency light KAPPA 46U for central battery	K46UT009	4260374015437	5000 K	130	239 x 164 x 59	164,58 €	1
Emergency light SIGMA-L48 for central battery	SL48U009	4260374015444	5000 K	260	265 x 191 x 37	247,92 €	1
Emergency light SIGMA-L 49 for central battery	SL49DMS009	4260374015451	5000 K	350	324 x 199 x 10 (adjustable)	343,75 €	1

 Scope of delivery: incl. mounting material and 3-piece pictogram foil set



















Service







With years of experience and know-how we offer you our comprehensive support, for products or your projects. Below you will find a small overview of the most important information.

Explanation of symbols	178
IK Classes	178
IP Protection types	179
ABC of terms	180
Color temperature	182
Resistance table	184
Contact	188

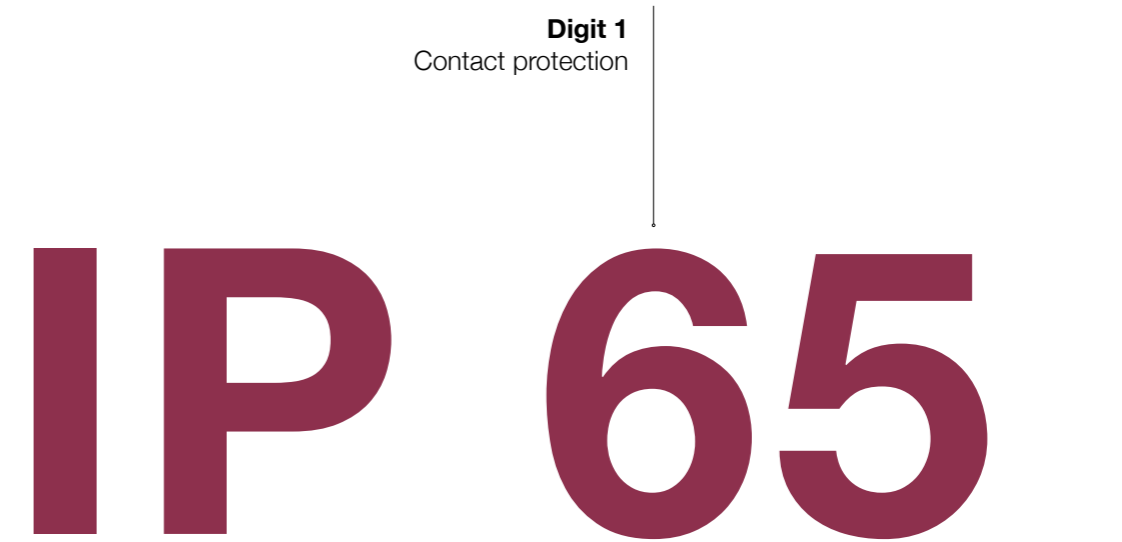
Explanation of Symbols

	The CE marking is a self-declaration by the manufacturer that the product complies with EU harmonized regulations.		Use only in dry indoor areas.
	Products tested within the meaning of the Product Safety Act in accordance with VDE/EN-/IEC standards, other technical regulations and any legal provisions with regard to safety and health requirements.		ENEC (European Norms Electrical Certification) is a test mark awarded by independent testing institutes approved by CENELEC and is accepted and recognized throughout Europe. The ENEC mark ensures that the product complies with the requirements of European safety standards.
	Luminaire with limited surface temperature, suitable for use in fire hazardous locations.		Protective insulation (protection class II): Equipment with reinforced or double insulation between active and touchable parts (according to VDE 0100 part 410, 412.1).
	DALI stands for "Digital Addressable Lighting Interface" and is a protocol for controlling luminaires and lighting control gear in building automation.		Protective grounding (protection class I): In addition to basic insulation of all active parts, all current-carrying parts of the equipment are grounded via a line-side protective earth conductor.
	The luminaire is dimmable.		Foodready: The luminaire is easy to clean and shatterproof, meaning there are no risks from splinters or broken pieces.
	The luminaire is not dimmable.		Ball impact resistant: The luminaire is ball impact resistant according to DIN 18032, part 3 and can be used in sports facilities.
	LEDs basically produce bundled light. The point in the light cone at which exactly half of the maximum emitted luminous intensity is still guaranteed is defined as the beam angle. It is therefore also referred to as the half-value angle.		Motion Detector: The luminaire is equipped with a PIR sensor (Pyroelectric Infrared Sensor) or an RF sensor (High Frequency Sensor) to detect motion.
	Adjustable via DIP or slide switch		Color temperature

IK Classes

	Impact resistance grade The housing withstands an impact energy of at least 0.35 joules.		Impact resistance grade The housing can withstand an impact energy of at least 1 joule.
	Impact resistance grade The housing can withstand an impact energy of at least 0.5 joules.		Impact resistance grade The housing can withstand an impact energy of at least 5 joules.
	Impact resistance grade The housing can withstand an impact energy of at least 0.7 joules.		Impact resistance grade The housing can withstand an impact energy of at least 20 joules.

IP Protection types



Digit 1	
0	No foreign body protection
1	Protection against penetration of solid foreign bodies with a diameter >50 mm
2	Protection against penetration of solid foreign bodies with a diameter >12,5 mm
3	Protection against penetration of solid foreign bodies with a diameter >2.5 mm
4	Protection against penetration of solid foreign bodies with a diameter >1 mm
5	Protection against harmful dust deposits inside the device
6	Protection against ingress of dust (dust-tight)

Ziffer 2	
0	No protection against water penetration
1	Protection against vertically dripping water
2	Protection against dripping water falling obliquely (with 15° inclination)
3	Protection against splashing water (inclined up to 60°)
4	Protection from splashing water
5	Protection against water jets from all directions
6	Protection against strong jets of water
7	Protection against water penetration in the event of brief immersion
8	Protection against water penetration in case of continuous immersion
9	Protection against water penetration, even at high pressure (high-pressure cleaner)

ABC of terms

Illuminance [Lux]

Indicates how much an area is illuminated (luminous flux per area).

DIP switch

Switch integrated in the luminaire for setting e.g. power or light color.

Color temperature

The light color of a luminaire is described by the color temperature in Kelvin (K). We speak of warm white (2400 K, 2700 K, 3000 K), neutral white (4000 K, 5000 K) and daylight white (6500 K).

The color temperature is determined by comparison with the color of a "black body". This is an "idealized" body, e.g. made of platinum, which absorbs all light falling on it. Its reflection radiation is therefore equal to zero. When a "black body" is slowly heated, it passes through a color scale from dark red, red, orange, yellow, white to light blue. The higher the temperature, the whiter the color becomes. The temperature of the "black body" at which there is color equality with the light source to be determined is the most similar color temperature of the illuminant.

Color tolerance

Color value deviations are defined with the help of MacAdam ellipses (also known as Standard Deviation of Color Matching, or SDCM for short). They describe areas in the CIE color diagram and define just perceptible color distances.

MacAdam ellipses inform the user how far the light color of individual LED modules deviates from one another, for example. The smaller the color gaps, the better.

Color rendering index (CRI)

The color rendering index (CRI), also known as the Ra value, describes the quality of the color rendering of light sources. The value can vary between Ra = 0 (very poor) and Ra = 100 (very good, corresponds to sunlight at midday).

Flicker

Flicker is the term used to describe electrical, usually periodic, voltage fluctuations that lead to a visually perceptible variation in luminance.

IK classes

The IK impact resistance grade denotes the resistance of the luminaires to impact and shock stress.

Lifetime [h]

Since LEDs do not normally fail completely but degrade, i.e. their brightness decreases over the course of their operating life, the service life therefore describes the time after which the luminous flux of the light source has dropped to a specified value. Usually, L80 or L70 is specified, which means that the average life of the light source is reached when the luminous flux still reaches 80 percent (L80) or 70 percent (L70) of its new value. The value B10 means that max. 10 percent of the individual LEDs may be below the specified L value.

LED

LED stands for light emitting diode. It belongs to the group of semiconductor components and converts electrical energy into light. This is referred to as electroluminescence.

Luminance [candela/m²]

Impression of brightness perceived by the eye.

Light

Light is the part of electromagnetic radiation visible to the eye. The range of visible light includes wavelengths from about 380 nm to 780 nm (corresponding to frequencies from about 789 THz to 384 THz).

Luminous efficacy [lumens/watt].

Luminous flux produced per watt of energy supplied.

Luminous intensity [candela]

Amount of luminous flux emitted at a given solid angle.

Luminous flux [lumen]

Total amount of light emitted by a light source.

Light distribution curve

Indicates how much light is emitted from a luminaire at a given angle. For luminaires that emit their light uniformly in all directions, plotting in a plane is sufficient. For non-rotationally symmetrical luminaires, two planes, longitudinal and transverse, are displayed.

Switching cycles

The value describes how often a luminaire can be switched on and off.

Protection class

The IP class (International Protection Code) indicates the protection of the luminaire against foreign bodies or contact (first digit) and against moisture (second digit). (first digit) and against moisture (second digit).

System power

The system wattage indicates the power absorbed by the luminaire.

UGR

The UGR value (unified glare rating) is used to assess glare and is calculated taking into account all the luminaires in a system that contribute to the glare impression as well as the brightness of walls and ceilings. The lower the value, the lower the glare. A UGR value of less than 19 is referred to as suitable for VDU workstations (BAP).

Color temperature

Light is an essential part of our lives and makes a decisive contribution to our well-being and performance. In this context, it is not only the brightness that matters, but above all the light temperature.

This can be explained by the connection between color temperature and time of day, which has been established for thousands of years.

Especially in times of ever faster progress, we are able to provide the right light for every situation. Whether simple glow or extravagant play of light - with innovation and creativity we can put not only your projects, but also those of your target group in the right light.

Blue hour

10000 K

Half shade

7000 K

Sunny noon light

5000 K

Halogene

3000 K

Light bulb

2700 K

Bonfire

2400 K

6500 K

5000 K

4000 K

3000 K

2700 K

2400 K

Resistance table

In order to be able to use our luminaires in a wide variety of applications, including demanding ones, each component must meet the appropriate resistance requirements. Below we have listed the resistance of the component materials to common chemical substances.

Product	Material
IndustryLUX TUBOLA	PC, PA66 (screwings)
IndustryLUX TUBOLA X	PMMA, PA66
IndustryLUX FARO X3	PC, PA66 (screwings)
DeLUX SPLASH	PC, PA66 (screwings)
ClickLUX RELIGHT 2.0	Aluminium, PC
ClickLUX ROCKET	Aluminium, PC
IndustryLUX LANARA 2.0	Aluminium, PC, PA66 (screwings)
IndustryLUX FLAT	Aluminium, PA66 (screwings)
IndustryLUX RESIST	Aluminium, PC, PA66 (screwings)
7PROOF	PMMA, PUR (wiring)
Zubehör	
Holding clips IndustryLUX TUBOLA standard	PA66
Holding clips 7PROOF / IndustryLUX TUBOLA metall	V2A
Holding clips ClickLUX RELIGHT 2.0 / ROCKET	V2A

Substance group	Alu	PA66	PC	PMMA	V2A	
Salts	Aluminium chloride	—	✓ 20%	✓	○	—
	Potassium carbonate	—	○	○	○	✓
	Sodium carbonate	—	○	○	○	✓
	Sodium chloride	—	✓	✓	○	✓
	Sodium sulphate	✓	✓	✓	○	✓
	Urea	✓	✓	✓	○	✓
	Ferrous(II)sulphate	—	—	✓	○	✓
	Ferric(III)chloride	—	—	✓	○	—
	Zinc chloride	—	○	✓ 10%	○	—
	Saline solutions	—	✓	—	✓	—
Alcohol	Ethanol	✓	✓	—	—	✓
	Methanol	✓	○	—	—	✓
	Butanol	✓	○	✓	—	✓
	Propanol	✓	—	○	—	✓
	Propandiol	✓	○	—	—	✓
	Ethylene glycol	✓	○	○	—	✓
	Hexafluoroisopropanol	—	—	—	—	—
	Glycerine	✓	○	○	—	✓
Acids	Formic acid	—	—	✓ 10%	✓ 5%	✓ 3%
	Acetic acid	○	—	✓ 10%	—	✓
	Oxalic acid	✓	○	✓ 10%	✓ 10%	—
	Citric acid	✓	✓ 20%	✓	✓ 10%	✓ 10%
	Chloroacetic acid	—	—	—	—	—
	Lactic acid	✓	○	✓ 90%	✓ 10%	✓ 3%
	Tartaric acid	—	○	✓	○	○
	Hydrofluoric acid	—	—	○	—	—
	Hydrochloric acid	—	—	✓ 30%	✓ 2%	—
	Chloric acid	—	—	—	—	—
	Choppy acidity	—	—	—	—	—
	Sulphuric acid	—	—	✓ 2%	○	○
	Nitric acid	—	—	✓ 10%	✓ 2%	✓ 50%
	Phosphoric acid	—	—	✓	✓ 10%	✓ 5%
	Carbon dioxide	—	✓	✓	✓	✓
	Prussic acid	✓	—	—	—	✓

✓ resistant ○ limitedly resistant — not resistant

Substance group		Alu	PA66	PC	PMMA	V2A
Aromatic hydrocarbons	Benzene	✓	✓	—	—	✓
	Toluene	✓	✓	—	—	✓
	Xylene	✓	✓	—	—	✓
	Ethylbenzene	✓	✓	—	—	✓
	Styrene	✓	✓	—	—	✓
	Trimethylbenzene	✓	✓	—	—	✓
	Naphthalene	✓	✓			✓
Alkanes paraffins	Methane	✓	✓	✓	✓	✓
	Ethane		✓		✓	
	Propane	✓	○	✓		✓
	n-Butane	✓	✓	✓		✓
	Cycloheptane				✓	
	n-Hexane	✓	✓	✓	✓	✓
	n-Heptane	✓	✓	✓	✓	✓
	n-Octane	✓	✓	○	✓	✓
Alkalines	Sodium hydroxide	—	○	—	✓ 50%	✓ 1%
	Potassium hydroxide	—	—	—	✓ 50%	✓
	Ammonium hydroxide	✓		—	✓ 50%	✓
	Lithium hydroxide			—	✓ 50%	
Carbon tetrachlorides	Tetrachloromethane	—	○	—	—	✓
Halogenes	Fluorine	—	—	—		—
	Chlorine	—	—	—		—
Oxidising agents	Hydrogen peroxide	—	—	✓ 30%	✓ 30%	✓
	Ozone		—	✓	✓	
	Sodium hypochlorite	—	—	—	✓	—
	Potassium hypochlorite	—	—	—	✓	—
Peroxides	Lithium peroxide		—			
	Barium peroxide		—			
	Hydrogen peroxide	—	—	✓	✓	✓
	Sodium peroxide	—	—	—		✓ 10%
Persulfates	Sodium persulfate		—			
	Potassium peroxide sulphate	—	—			
	Ammonium peroxide sulphate		—			

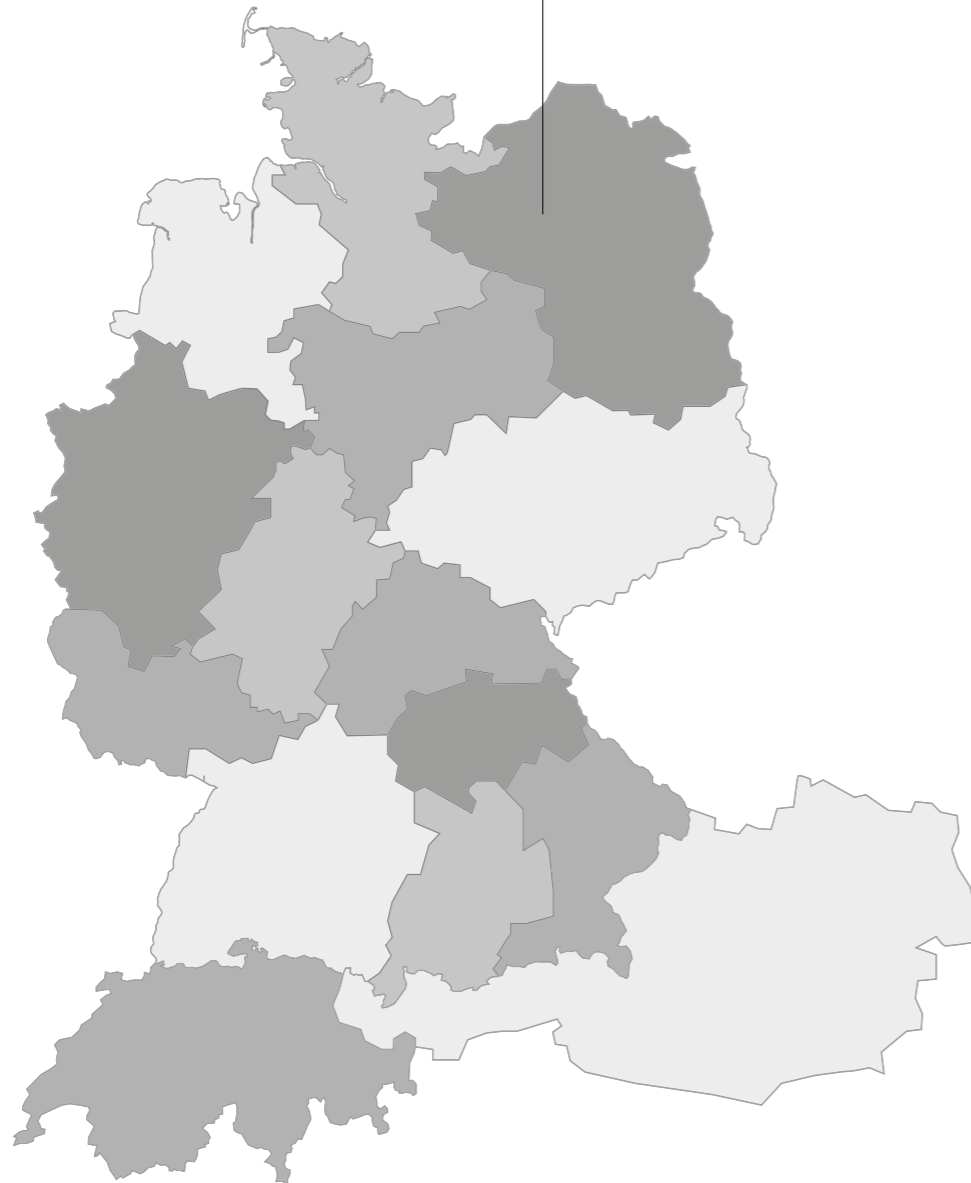
✓ resistant ○ limitedly resistant — not resistant

Substance group		Alu	PA66	PC	PMMA	V2A
Lyes	Natriumhydroxid, solution	—	—	—	✓ 50%	○
	Lithiumhydroxid, solution		—	—		
	Calciumhydroxid, solution	—	—	—		✓
	low concentrated lyes		✓		✓	
	soap solutions	○	✓	✓	✓	✓
	suds	○	✓ 10%			✓
Tensides wetting agents	Natriumlaurylsulfat		✓ 30%			
	Soap-based cleaner		○	○		
	Sulfonat		✓ 10%			
	Amines	✓	✓	—		✓
	Fuels	✓	✓	—		✓
	Hydraulic fluids	✓	✓			✓
	Chlorinated water	—		—		—
	Brake fluid	✓		—		✓
	Petroleum	✓	✓	—	—	✓
	Aceton	✓	✓	—	—	✓
	Triethanolamin	✓	✓	—		✓
2-Butoxyethanol	✓		○	—	✓	
2-aminoethanol	✓		—		✓	
Ammonia	✓	✓ 20%	—	✓	✓	

✓ resistant ○ limitedly resistant — not resistant

Data without guarantee. Individual cases and compositions of different substances can change the resistance. We will be pleased to provide you with an individual proof of resistance on request.

Online you can easily find
your area representative
www.lichtline.com



We are there for you

Also in our light galaxy the contact to you is the most important thing. Our service team is at your disposal for personal support.

Sales | Light planning

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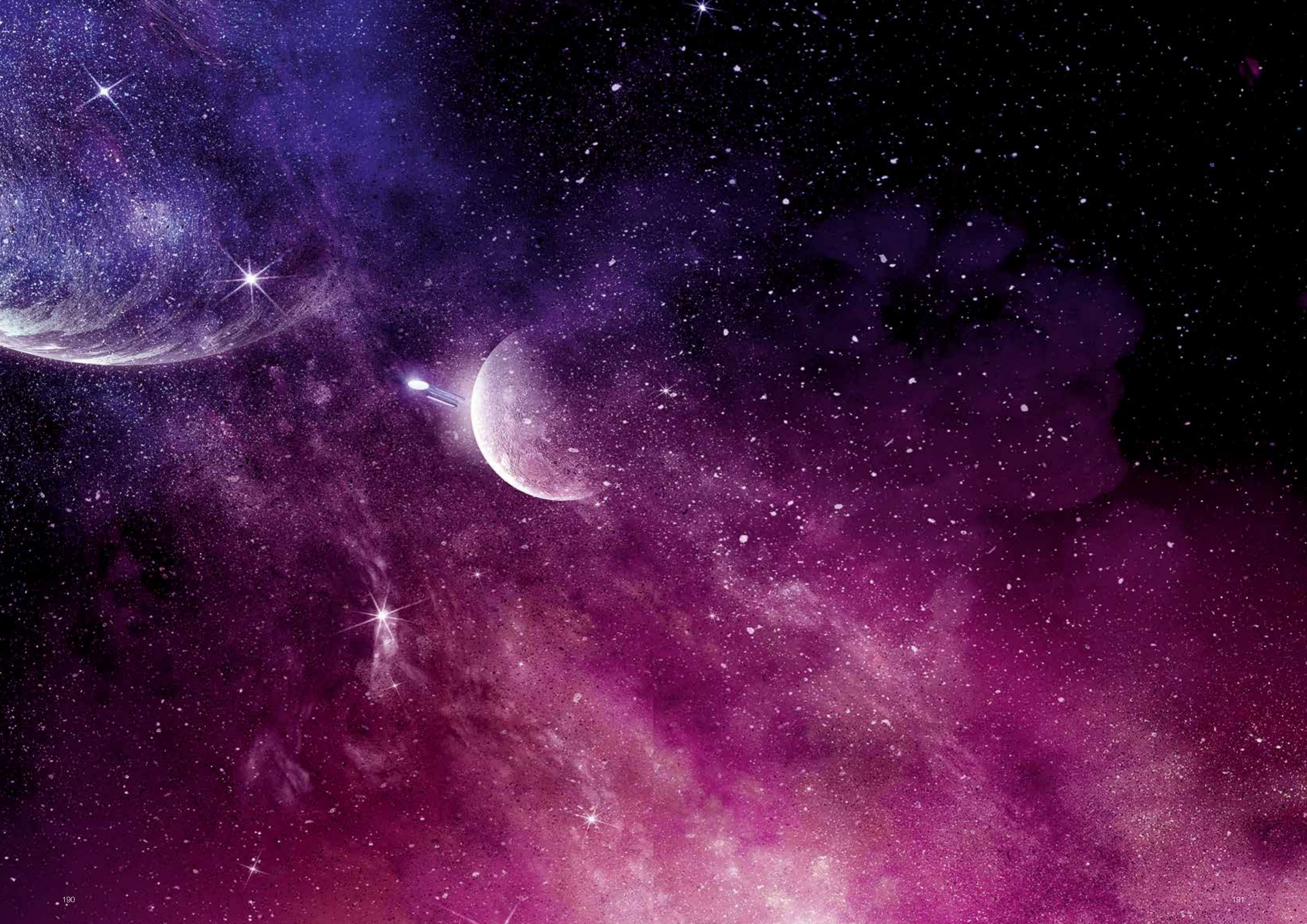
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PK_2021_V1 Fig. similar. Technical changes and errors excepted.