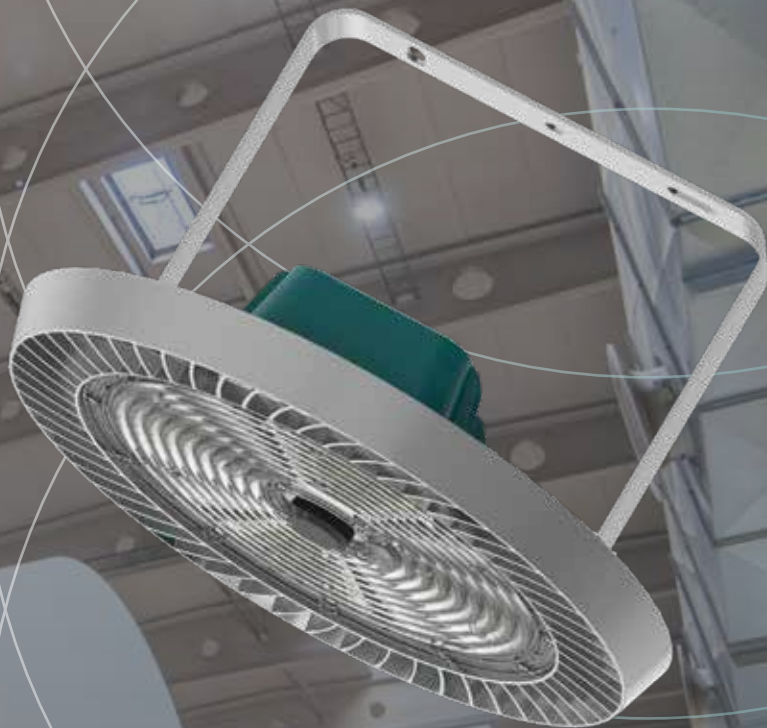


www.tempLED.de



tempLED



HALL LIGHTS

tempLED RayBeam Pro V2

100 | 150 | 200 | 300

Our customer
NorskeSkog

HALL LIGHTS



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initial system efficiency up to 200 lm / w



modular overall structure with exchangeable and replaceable main components



optional safety systems



pressure compensation membrane to prevent condensation



energy-efficient constant current power supply with optional DALI-2-dimming and constant lumen output (CLO)



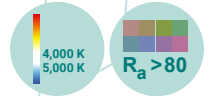
solid luminaire housing with durable powder coating



powerful, dust-permeable heat sink made of die-cast aluminum



durable and bright LED light field



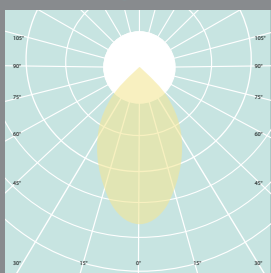
Zhaga-18 socket for optional control technology



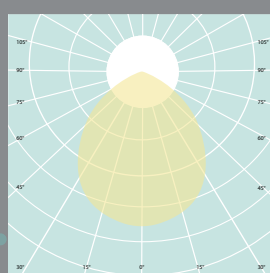
impact and UV-resistant high-performance optical system in linear technology for stray light reduction with three practical beam angles



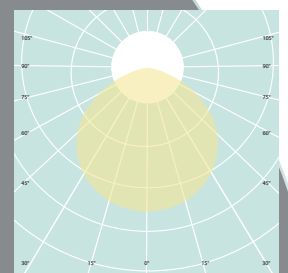
Light distribution curves tempLED RayBeam Pro V2 100 | 150 | 200 | 300



60 degrees symmetrical in linear technology

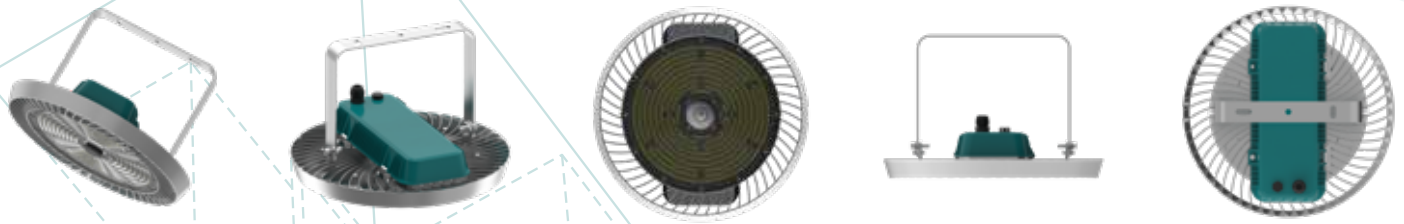


90 degrees symmetrical in linear technology

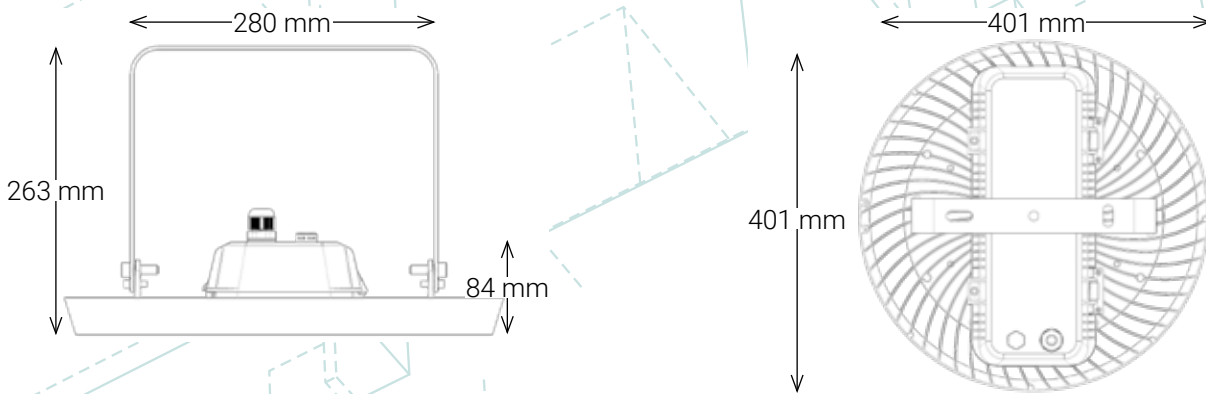


120 degrees symmetrical

tempLED RayBeam Pro V2
100 | 150 | 200 | 300

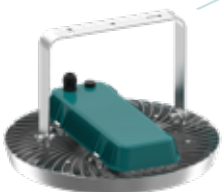


Dimensions tempLED RayBeam Pro V2
100 | 150 | 200 | 300

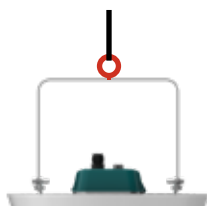


Mounting options tempLED RayBeam Pro V2
100 | 150 | 200 | 300

bracket mounting¹



pendant mounting²



double mounting³



¹ Adjustment range for surface mounting with standard mounting bracket: 0 to +90 degrees.

² Suitable mounting material available as accessory (932212).

³ Suitable mounting material available as accessory (312927).

General technical data

according to IEC, identical for all types of luminaires



Lighting properties:

| | |
|--|---|
| initial luminous flux: | 20,000 to 60,000 lumens |
| luminous flux tolerance: | ± 10 percent |
| initial system efficiency: | zp to 200 lumens per watt |
| initial, most similar color temperature: | 4,000 kelvins 5,000 kelvins ¹ |
| initial color rendering index (CRI): | Ra > 80 |
| initial color consistency: | < 5 SDCM |
| available symmetrical beam angles: | 60 90 120 degrees |
| photobiological safety: | IEC/TR 62778: 1 |
| stray light reduction: | yes, with linear technology (at beam angle 60 and 90 degrees) |
| compact flicker degree (CFD): | 1 percent |
| stroboscopic visibility measurement (SVM): | < 0,03 |
| short time flicker (Pst LM): | < 0,02 |

Electrotechnical properties:

| | |
|------------------------------------|-------------------------------------|
| power supply AC: | 100 to 240 volts |
| supply frequency: | 50 / 60 hertz |
| power supply DC: | 145 to 250 volts |
| system performance: | 100 to 300 watts |
| system performance tolerance: | ± 10 percent |
| power factor: | > 0.90 |
| overvoltage protection: | yes |
| overheating protection: | yes |
| temperature monitoring: | yes |
| total harmonic distortion (THD): | < 10 percent |
| temperature classification (ATEX): | T5 |
| Tc - temperature: | + 90 degrees Celsius |
| Zhaga-18 socket: | yes, on the bottom of the luminaire |

Energy characteristics:

| | |
|---------------------------------------|--|
| Valid for all tempLED RayBeam Pro V2: | This product contains a light source of energy efficiency class A. |
|---------------------------------------|--|

Mounting options:

| | |
|----------------------------|--|
| standard mounting options: | mounting bracket with adjustment range 0 to +90 degrees |
| optional mounting options: | pendant suspension via mounting eye 932212, double mounting via double holder 312927, crane mounting via crane mounting kit 932810 |

¹ additional color temperatures on request.

Control and safety properties:

| | |
|------------------------------|---|
| dimming: | via Zhaga-18 socket DALI-2 optional ONLY in combination with upgrade 312903 ex works |
| minimum dimming level: | 10 percent |
| constant lumen output (CLO): | optional |
| emergency light module: | optional ¹ |
| Human Centric Lighting: | on request |
| daylight harvesting: | optional ² |
| motion control: | optional ² |

Housing properties:

| | |
|---|--|
| ambient temperature: | -40 to +50 degrees Celsius |
| ingress protection: | IP 65 |
| impact resistance level: | IK08 |
| electrical protection class: | I |
| limited surface temperatur (D): | yes |
| pressure compensation membrane: | yes |
| housing and heat sink material(s): | die-cast aluminum |
| material(s) and finish of the standard ceiling bracket: | steel, powder-coated in white aluminium according to RAL 9006 ³ |
| material of optical system: | impact- and UV-resistant polycarbonate |
| luminaire housing color: | white aluminium according to RAL 9006 ³ |
| power supply housing color: | water blue according to RAL 5021 ³ |
| surface finish: | powder coating ³ |
| supply cable type: | H05RN-F 3G1 |
| supply cable length: | 200 centimeters |
| supply cable inlet: | plug connector |
| supply cable connection type: | open cable end |
| number of poles: | 3 grid |

Additional information:

| | |
|-----------------------|--------------------------------|
| certificates: | ENEC in preparation |
| conformities: | CE and RoHS |
| lifespan (L70B10C1): | approx. 100,000 hours |
| lifespan (L90B10C1): | approx. 50,000 hours |
| guarantee: | 5 years ⁴ |
| spare part guarantee: | 10 years |
| delievery includes: | luminaire and mounting bracket |

¹ can only be used at ambient temperatures from +5 to +50 degrees Celsius. ² can only be used at ambient temperatures from -15 to +50 degrees Celsius.

³ optional luminaire housing colors and finishes: Paintings according to RAL colour chart, powder coatings according to RAL colour chart or synthetic resin coating.

⁴ according to the warranty conditions of tempLED GmbH, excluding accessories.

Logistic information:

| | |
|-----------------------------------|--------------------------------------|
| luminaire: | RayBeam Pro V2 100 150 200 300 |
| number of luminaires per package: | 1 |
| number of luminaires per pallet: | 56 |
| net weight of the luminaire: | 5,350 g |
| gross weight per package: | 7,050 g |
| package dimensions L x W x H: | 475 x 475 x 200 mm |

tempLED 100

| | RayBeam Pro V2 100 - 60 | RayBeam Pro V2 100 - 90 | RayBeam Pro V2 100 - 120 |
|--|-------------------------|-------------------------|--------------------------|
| article number: | 312564 | 312594 | 312524 |
| GTIN / EAN: | 4262493350581 | 4262493350604 | 4262493350567 |
| initial luminous flux: | 20,000 lm | 20,000 lm | 20,000 lm |
| initial system efficiency: | 200 lm/W | 200 lm/W | 200 lm/W |
| initial, most similar color temperature: | 4,000 K | 4,000 K | 4,000 K |
| light distribution: | symmetrical | symmetrical | symmetrical |
| beam angle: | 60 degrees | 90 degrees | 120 degrees |
| dimming / control: | Zhaga-18 socket | Zhaga-18 socket | Zhaga-18 socket |
| system performance: | 100 W | 100 W | 100 W |
| power consumption: | 0.45 A | 0.45 A | 0.45 A |
| maximum inrush current: | 100 A | 100 A | 100 A |
| dimensions (Ø x H): | 401 x 263 mm | 401 x 263 mm | 401 x 263 mm |

STOCK
ITEM

tempLED 100

| | RayBeam Pro V2 100 - 60 | RayBeam Pro V2 100 - 90 | RayBeam Pro V2 100 - 120 |
|--|-------------------------|-------------------------|--------------------------|
| article number: | 312565 | 312595 | 312525 |
| GTIN / EAN: | 4262493350598 | 4262493350611 | 4262493350574 |
| initial luminous flux: | 20,000 lm | 20,000 lm | 20,000 lm |
| initial system efficiency: | 200 lm/W | 200 lm/W | 200 lm/W |
| initial, most similar color temperature: | 5,000 K | 5,000 K | 5,000 K |
| light distribution: | symmetrical | symmetrical | symmetrical |
| beam angle: | 60 degrees | 90 degrees | 120 degrees |
| dimming / control: | Zhaga-18 socket | Zhaga-18 socket | Zhaga-18 socket |
| system performance: | 100 W | 100 W | 100 W |
| power consumption: | 0.45 A | 0.45 A | 0.45 A |
| maximum inrush current: | 100 A | 100 A | 100 A |
| dimensions (Ø x H): | 401 x 263 mm | 401 x 263 mm | 401 x 263 mm |

STOCK
ITEM

tempLED 150

| | RayBeam Pro V2 150 - 60 | RayBeam Pro V2 150 - 90 | RayBeam Pro V2 150 - 120 |
|--|-------------------------|-------------------------|--------------------------|
| article number: | 312664 | 312694 | 312624 |
| GTIN / EAN: | 4262493350642 | 4262493350666 | 4262493350628 |
| initial luminous flux: | 30,000 lm | 30,000 lm | 30,000 lm |
| initial system efficiency: | 200 lm/W | 200 lm/W | 200 lm/W |
| initial, most similar color temperature: | 4,000 K | 4,000 K | 4,000 K |
| light distribution: | symmetrical | symmetrical | symmetrical |
| beam angle: | 60 degrees | 90 degrees | 120 degrees |
| dimming / control: | Zhaga-18 socket | Zhaga-18 socket | Zhaga-18 socket |
| system performance: | 150 W | 150 W | 150 W |
| power consumption: | 0.68 A | 0.68 A | 0.68 A |
| maximum inrush current: | 100 A | 100 A | 100 A |
| dimensions (Ø x H): | 401 x 263 mm | 401 x 263 mm | 401 x 263 mm |

STOCK
ITEM

tempLED 150

| | RayBeam Pro V2 150 - 60 | RayBeam Pro V2 150 - 90 | RayBeam Pro V2 150 - 120 |
|--|-------------------------|-------------------------|--------------------------|
| article number: | 312665 | 312695 | 312625 |
| GTIN / EAN: | 4262493350659 | 4262493350673 | 4262493350635 |
| initial luminous flux: | 30,000 lm | 30,000 lm | 30,000 lm |
| initial system efficiency: | 200 lm/W | 200 lm/W | 200 lm/W |
| initial, most similar color temperature: | 5,000 K | 5,000 K | 5,000 K |
| light distribution: | symmetrical | symmetrical | symmetrical |
| beam angle: | 60 degrees | 90 degrees | 120 degrees |
| dimming / control: | Zhaga-18 socket | Zhaga-18 socket | Zhaga-18 socket |
| system performance: | 150 W | 150 W | 150 W |
| power consumption: | 0.68 A | 0.68 A | 0.68 A |
| maximum inrush current: | 100 A | 100 A | 100 A |
| dimensions (Ø x H): | 401 x 263 mm | 401 x 263 mm | 401 x 263 mm |

STOCK
ITEM

tempLED 200

| | RayBeam Pro V2 200 - 60 | RayBeam Pro V2 200 - 90 | RayBeam Pro V2 200 - 120 |
|--|-------------------------|-------------------------|--------------------------|
| article number: | 312764 | 312794 | 312724 |
| GTIN / EAN: | 4262493350703 | 4262493350727 | 4262493350680 |
| initial luminous flux: | 40,000 lm | 40,000 lm | 40,000 lm |
| initial system efficiency: | 200 lm/W | 200 lm/W | 200 lm/W |
| initial, most similar color temperature: | 4,000 K | 4,000 K | 4,000 K |
| light distribution: | symmetrical | symmetrical | symmetrical |
| beam angle: | 60 degrees | 90 degrees | 120 degrees |
| dimming / control: | Zhaga-18 socket | Zhaga-18 socket | Zhaga-18 socket |
| system performance: | 200 W | 200 W | 200 W |
| power consumption: | 0.91 A | 0.91 A | 0.91 A |
| maximum inrush current: | 130 A | 130 A | 130 A |
| dimensions (Ø x H): | 401 x 263 mm | 401 x 263 mm | 401 x 263 mm |

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tempLED 200

| | RayBeam Pro V2 200 - 60 | RayBeam Pro V2 200 - 90 | RayBeam Pro V2 200 - 120 |
|--|-------------------------|-------------------------|--------------------------|
| article number: | 312765 | 312795 | 312725 |
| GTIN / EAN: | 4262493350710 | 4262493350734 | 4262493350697 |
| initial luminous flux: | 40,000 lm | 40,000 lm | 40,000 lm |
| initial system efficiency: | 200 lm/W | 200 lm/W | 200 lm/W |
| initial, most similar color temperature: | 5,000 K | 5,000 K | 5,000 K |
| light distribution: | symmetrical | symmetrical | symmetrical |
| beam angle: | 60 degrees | 90 degrees | 120 degrees |
| dimming / control: | Zhaga-18 socket | Zhaga-18 socket | Zhaga-18 socket |
| system performance: | 200 W | 200 W | 200 W |
| power consumption: | 0.91 A | 0.91 A | 0.91 A |
| maximum inrush current: | 130 A | 130 A | 130 A |
| dimensions (Ø x H): | 401 x 263 mm | 401 x 263 mm | 401 x 263 mm |

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tempLED 300

STOCK
ITEM

RayBeam Pro V2 300 - 60

STOCK
ITEM

RayBeam Pro V2 300 - 90

RayBeam Pro V2 300 - 120

| | | | |
|--|-----------------|-----------------|-----------------|
| article number: | 312964 | 312994 | 312924 |
| GTIN / EAN: | 4262493350765 | 4262493350789 | 4262493350741 |
| initial luminous flux: | 60,000 lm | 60,000 lm | 60,000 lm |
| initial system efficiency: | 200 lm/W | 200 lm/W | 200 lm/W |
| initial, most similar color temperature: | 4,000 K | 4,000 K | 4,000 K |
| light distribution: | symmetrical | symmetrical | symmetrical |
| beam angle: | 60 degrees | 90 degrees | 120 degrees |
| dimming / control: | Zhaga-18 socket | Zhaga-18 socket | Zhaga-18 socket |
| system performance: | 300 W | 300 W | 300 W |
| power consumption: | 1.32 A | 1.32 A | 1.32 A |
| maximum inrush current: | 12.4 A | 12.4 A | 12.4 A |
| dimensions (Ø x H): | 401 x 263 mm | 401 x 263 mm | 401 x 263 mm |

tempLED 300

STOCK
ITEM

RayBeam Pro V2 300 - 60

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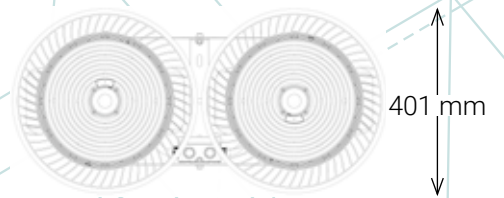
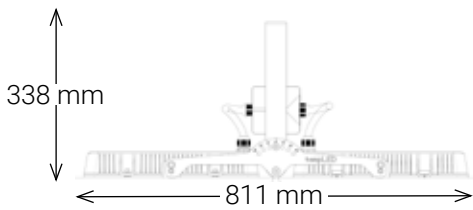
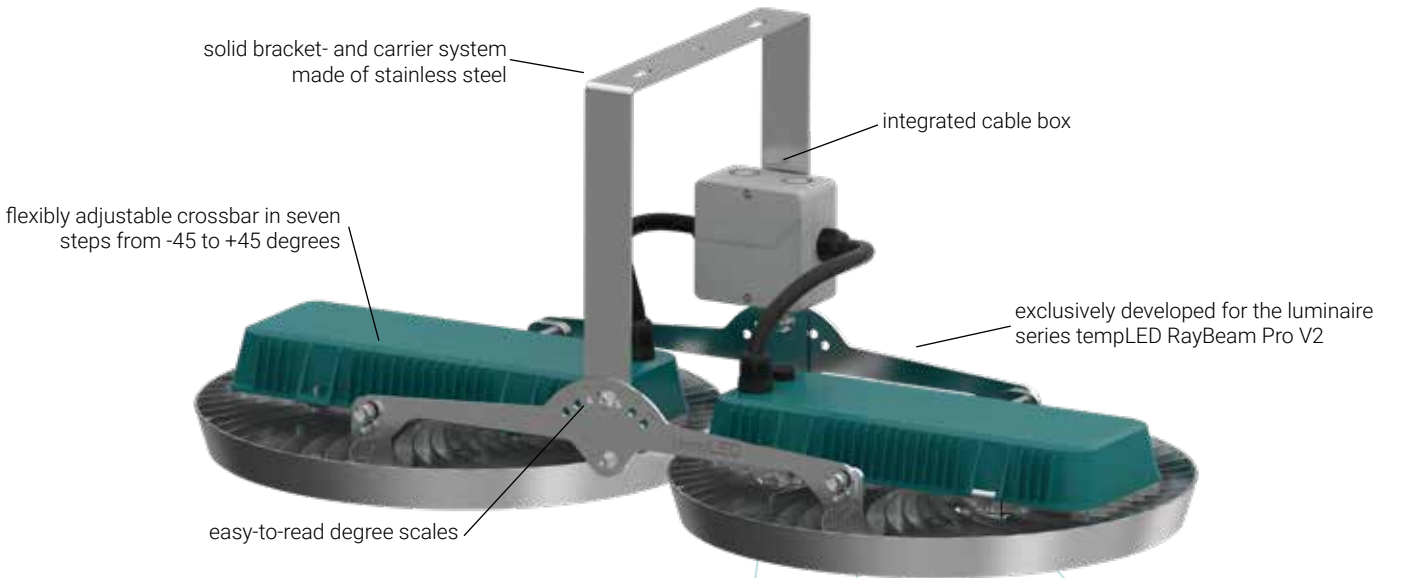
RayBeam Pro V2 300 - 90





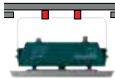



RayBeam Pro V2 300 - 120

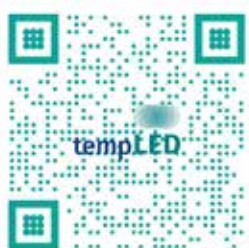
| | | | |
|--|-----------------|-----------------|-----------------|
| article number: | 312965 | 312995 | 912925 |
| GTIN / EAN: | 4262493350772 | 4262493350796 | 4262493350758 |
| initial luminous flux: | 60,000 lm | 60,000 lm | 60,000 lm |
| initial system efficiency: | 200 lm/W | 200 lm/W | 200 lm/W |
| initial, most similar color temperature: | 5,000 K | 5,000 K | 5,000 K |
| light distribution: | symmetrical | symmetrical | symmetrical |
| beam angle: | 60 degrees | 90 degrees | 120 degrees |
| dimming / control: | Zhaga-18 socket | Zhaga-18 socket | Zhaga-18 socket |
| system performance: | 300 W | 300 W | 300 W |
| power consumption: | 1.32 A | 1.32 A | 1.32 A |
| maximum inrush current: | 12.4 A | 12.4 A | 12.4 A |
| dimensions (Ø x H): | 401 x 263 mm | 401 x 263 mm | 401 x 263 mm |

Double holder system tempLED RayBeam Pro V2 fixed version

With our double holder system developed exclusively for this luminaire series you can bring twice the light output to one mounting point quickly, easily and cost-effectively.



| tempLED | Accessory catalogue RayBeam Pro V2 | art.-no. | GTIN / EAN |
|--|--|----------------------------|---|
|  | <p>upgrade to external DALI control upgrade to 5-pole supply cable with a length of 200 cm for connecting external DALI controls Important note: the internal Zhaga-18 socket cannot be used, ONLY possible when ordering the luminaire and upgrade at the same time, no subsequent retrofitting possible.</p> | 312903 | 4262493351397 |
|   | <p>LEDelligence PIR motion detector including adapter for the Zhaga-18 socket PIR motion detector fully assembled in Zhaga 18 adapter, integrated daylight sensor for activating the PIR motion detector, detection angle: 360 degrees, ingress protection: IP 65, ambient temperature range: -15 to +50 degrees Celsius. Programming and control via Bluetooth mesh network and app.</p> <p>maximum mounting height: 3.50 meters, maximum detection range: Ø 12 meters maximum mounting height: 12.00 meters, maximum detection range: Ø 12 meters maximum mounting height: 17.00 meters, maximum detection range: Ø 18 meters</p> | 778001 778002 778003 | 4262493352219 4262493352226 4262493352233 |
|  | <p>double holder system, fixed mounting bracket specially adapted to the luminaire series with a scale for fixed installation of two luminaires on one mounting point, adjustment range double bracket: -45 to +45 degrees in seven steps, single luminaire not adjustable, material: stainless steel, finish: natural, incl. cable box</p> | 312927 | 4262493351601 |
|  | <p>crane mounting kit with two attachment points with rubber buffer shock-absorbing installation device for luminaire mounting on vibration-loaded crane systems, size: M10, material: stainless steel, finish: natural, delivery includes fall protection</p> | 932810 | 4260491842114 |
|  | <p>mounting eyelet for pendant mounting mounting eyelet M10 for screw attachment to ceiling bracket, inner Ø: 25 mm, outer Ø: 45 mm, material eyelet and nut: steel, finish: galvanised, material washer: stainless steel, finish: natural</p> | 932212 | 4260745233460 |
|  | <p>supply cable extension ready-to-use 3-pin supply cable extension up to 10 meters</p> | 333903 | 4260491843760 |
|  | <p>emergency light module with automatic detection of failure and return of supply voltage, display of functional status, battery type: LiFePO4, running time approx. 3 hours with an output power of approx. 3,5 watts, recharging time: approx. 24 hours, can only be used at ambient temperatures from +5 to +50 degrees Celsius, mounted on the luminaire ready for use</p> | 312902 | 4262493351380 |



Direct link to the tempLED
download portal



LED is sustainable.
LED is the future.

tempLED luminaires fulfil a recycling rate of > 90%.
That is our product promise to you.

When will you start?