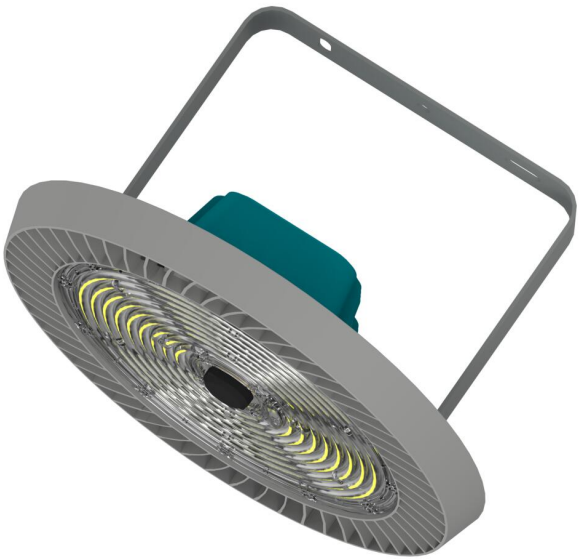
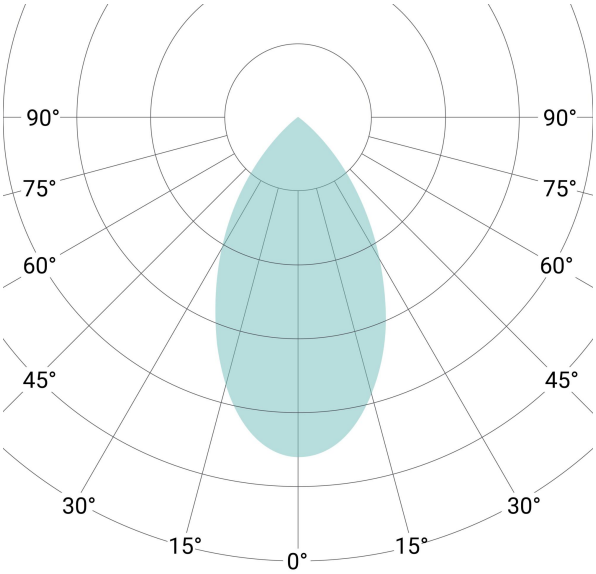
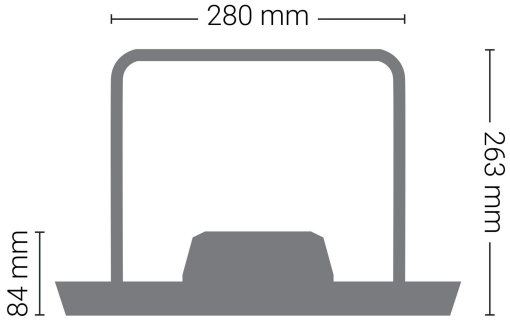
# tempLED RayBeam Pro V2 100 - 60 4000K

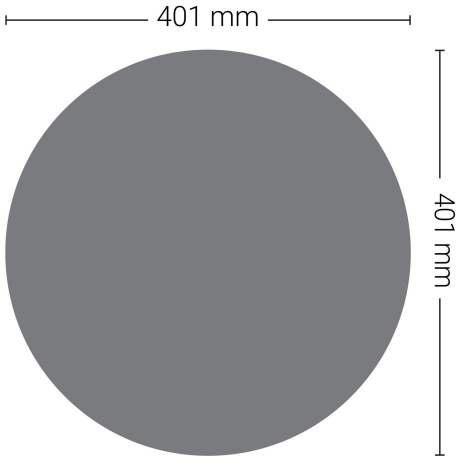
HALL LIGHT

Article number: 312564





| Lighting characteristics | |
|---|---|
| Initial, most similar color temperature | 4,000 kelvin |
| Initial color rendering index | Ra > 80 |
| Initial color consistency < | 5 SDCM |
| Initial luminous flux | 20,000 lumens |
| Luminous flux tolerance | 10 percent |
| Initial system efficiency | 200 lumens per watt |
| Beam angle | 60 degrees |
| Light distribution | symmetrical |
| Light control system | optical system |
| Optical system design | optical system with linear technology for stray light reduction |
| Photobiological safety | IEC/TR 62778: 1 |
| Compact flicker degree < | 1 percent |
| Stroboscopic visuability measurement < | 0.03 |
| Short time flicker (Pst LM) < | 0.02 |

| Electrical characteristics | |
|---|---|
| Power supply AC | from 100 to 240 volts |
| Supply frequency | 50/60 hertz |
| Power supply DC | from 145 to 250 volts |
| System performance | 100 watts |
| System performance tolerance | 10 percent |
| Power consumption | 0.45 ampere |
| Maximum inrush current | 100.00 ampere |
| Electrical protection class | I |
| Temperature classification according to ATEX | T5 |
| Tc - temperature | 90 degrees Celsius |
| Total harmonic distortion < | 10 percent |
| Power factor > | 0.90 |
| Life span (L70B10C1) @ Ta 25 °C | 100,000 hours |
| Life span (L90B10C1) @ Ta 25 °C | 50,000 hours |
| Product is suitable for emergency lighting (EL-mark) | yes |
| Limited surface temperatur (D-mark) | yes (internal powr supply) |
| Socket | yes, Zhaga-18 on the bottom side |
| Number of poles | 3 grid |
| Temperature monitoring | yes, in the power supply |
| Overheating protection | yes |
| Overvoltage protection | yes, integrated in power supply |

| Certificates | |
|---|---|
| ENEC certification | yes |

| Conformities | |
|---|---|
| CE conformity | yes |
| RoHS conformity | yes |

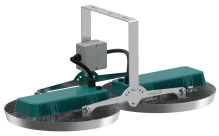
| Luminaire housing characteristics | |
|---|---|
| Ambient temperature | from -40 to 50 degrees Celsius |
| Ingress protection | IP 65 |
| Impact resistance level | IK08 |
| Pressure compensation membrane | yes |
| Luminaire is UV-resistant | yes |
| Luminaire housing material | die-cast aluminum |
| Heat sink material | die-cast aluminum |
| Bracket material | steel |
| Optical system material | polycarbonate (PC) |
| Luminaire housing finish | powder coating |
| Bracket system finish | powder coating |
| Luminaire housing color | white aluminium (RAL9006) |
| Power supply housing color | water blue (RAL5021) |
| Bracket surface color | white aluminium (RAL9006) |
| Supply cable inlet | plug connector |
| Supply cable type | H05RN-F 3G1 |
| Supply cable length | 2,000 millimeters |
| Supply cable color | black |

| Mounting characteristics | |
|---|---|
| Standard mounting options | mounting bracket |
| Adjustment range of mounting bracket | from -90 to 90 degrees |
| Optional mounting options | rope suspension, chain suspension, mounting eyelet, double holder, crane mounting |

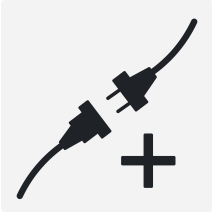
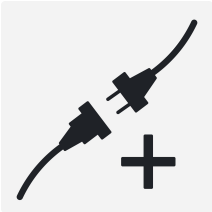
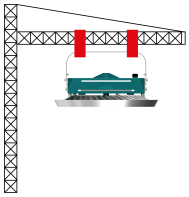
| Control characteristics | |
|---|---|
| Dimming / control | DALI-2 available as an option after factory upgrade |
| Minimum dimming level | 10 percent |
| LEDelligence | LEDelligence ready |

| Logistical characteristics | |
|---|---|
| EAN/GTIN | 4262493350581 |
| Packaging unit | 1 unit |
| Number of luminaires per package | 1 unit |
| Scope of delievery | luminaire, mounting bracket |
| Net weight | 4,150 gram |
| Gross weight per package | 5,850 gram |
| Number of luminaires per pallet | 56 unit |
| Diameter of the luminaire | 401.00 millimeters |
| Height of the luminaire with bracket | 263.00 millimeters |
| Height of the luminaire without bracket | 84.00 millimeters |
| Luminaire box length | 475.00 millimeters |
| Luminaire box width | 475.00 millimeters |
| Luminaire box height | 200.00 millimeters |
| Product availability | order item |

# Accessories for this product

| Figure | Description | Item no. | EAN / GTIN |
|---|---|---|---|
|  | **double holder system, fixed**<br>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. Dimensions including two installed luminaires (L x W x H): 811 x 401 x 338 mm. | 312927 | 4262493351601 |
| LEDelligence | **LEDelligence LOW BAY PIR motion detector**<br>including adapter for the Zhaga-18 socket, PIR motion detector fully assembled in Zhaga 18 adapter, maximum mounting height: 3.50 meters, maximum detection range 12 x 12 meters (at mounting height 3.50 meters), 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. | 778001 | 4262493352219 |
| LEDelligence | **LEDelligence MID BAY PIR motion detector**<br>including adapter for the Zhaga-18 socket, PIR motion detector fully assembled in Zhaga 18 adapter, maximum mounting height: 12 meters, maximum detection range 12 x 12 meters (at mounting height 12 meters), 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. | 778002 | 4262493352226 |
| LEDelligence | **LEDelligence HIGH BAY PIR motion detector**<br>including adapter for the Zhaga-18 socket, PIR motion detector fully assembled in Zhaga 18 adapter, maximum mounting height: 17 meters, maximum detection range 18 x 18 meters (at mounting height 17 meters), 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. | 778003 | 4262493352233 |
| | **emergency light module**<br>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, power supply: 220 - 240 VAC, 50/60 Hz, mounted on the luminaire ready for use. | 312902 | 4262493351380 |
| DALI 2 | **upgrade to external DALI control**<br>upgrade to 5-pole supply cable with a length of 200 cm for connecting external DALI controls.<br>**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. | 312903 | 4262493351397 |

# Accessories for this product

| Figure | Description | Item no. | EAN / GTIN |
|---|---|---|---|
|  | **Power Cable Extension**<br>Extends the 3-pin power cord to a length of up to 10 meters using a cable connector. | 333903 | 4260491843760 |
|  | **Power Cable Extension**<br>Extends the 5-pin power cable to a length of up to 10 meters using a cable splice. | 933499 | 4260491849687 |
|  | **crane mounting kit**<br>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. | 932810 | 4260491842114 |

## Tender text

Initial, most similar color temperature: 4,000 kelvin; Initial color rendering index: Ra > 80 ; Initial color consistency <: 5 SDCM;
Initial luminous flux: 20,000 lumens; Luminous flux tolerance: 10 percent; Initial system efficiency: 200 lumens per watt;
Beam angle: 60 degrees; Light distribution: symmetrical ; Light control system: optical system ;
Optical system design: optical system with linear technology for stray light reduction ; Photobiological safety: IEC/TR 62778: 1 ;
Compact flicker degree <: 1 percent; Stroboscopic visuability measurement <: 0.03 ; Short time flicker (Pst LM) <: 0.02 ;
Power supply AC: from 100 to 240 volts; Supply frequency: 50/60 hertz; Power supply DC: from 145 to 250 volts;
System performance: 100 watts; System performance tolerance: 10 percent; Power consumption: 0.45 ampere;
Maximum inrush current: 100.00 ampere; Electrical protection class: I ; Temperature classification according to ATEX: T5 ;
Tc - temperature: 90 degrees Celsius; Total harmonic distortion <: 10 percent; Power factor >: 0.90 ;
Life span (L70B10C1) @ Ta 25 °C: 100,000 hours; Life span (L90B10C1) @ Ta 25 °C: 50,000 hours;
Product is suitable for emergency lighting (EL-mark): yes ; Limited surface temperatur (D-mark): yes (internal powr supply) ;
Socket: yes, Zhaga-18 on the bottom side ; Number of poles: 3 grid ; Temperature monitoring: yes, in the power supply ;
Overheating protection: yes ; Overvoltage protection: yes, integrated in power supply ; ENEC certification: yes ; CE conformity: yes ;
RoHS conformity: yes ; Ambient temperature: from -40 to 50 degrees Celsius; Ingress protection: IP 65 ; Impact resistance level: IK08 ;
Pressure compensation membrane: yes ; Luminaire is UV-resistant: yes ; Luminaire housing material: die-cast aluminum ;
Heat sink material: die-cast aluminum ; Bracket material: steel ; Optical system material: polycarbonate (PC) ;
Luminaire housing finish: powder coating ; Bracket system finish: powder coating ;
Luminaire housing color: white aluminium (RAL9006) ; Power supply housing color: water blue (RAL5021) ;
Bracket surface color: white aluminium (RAL9006) ; Supply cable inlet: plug connector ; Supply cable type: H05RN-F 3G1 ;
Supply cable length: 2,000 millimeters; Supply cable color: black ; Standard mounting options: mounting bracket ;
Adjustment range of mounting bracket: from -90 to 90 degrees;
Optional mounting options: rope suspension, chain suspension, mounting eyelet, double holder, crane mounting ;
Dimming / control: DALI-2 available as an option after factory upgrade ; Minimum dimming level: 10 percent;
LEDelligence: LEDelligence ready ; EAN/GTIN: 4262493350581 ; Packaging unit: 1 unit; Number of luminaires per package: 1 unit;
Scope of delievery: luminaire, mounting bracket ; Net weight: 4,150 gram; Gross weight per package: 5,850 gram;
Number of luminaires per pallet: 56 unit; Diameter of the luminaire: 401.00 millimeters;
Height of the luminaire with bracket: 263.00 millimeters; Height of the luminaire without bracket: 84.00 millimeters;
Luminaire box length: 475.00 millimeters; Luminaire box width: 475.00 millimeters; Luminaire box height: 200.00 millimeters;
Product availability: order item ;

## Footnotes

Subject to changes and errors. Images are for illustrative purposes only.
Optional housing finishes: paint finishes according to the RAL colour chart, powder coatings according to the RAL colour chart, or synthetic resin coating.
Guarantee according to the warranty terms and conditions of tempLED GmbH; excluding accessories.