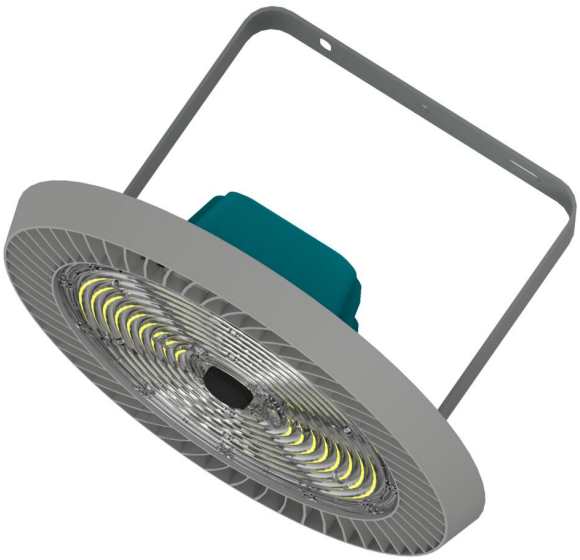
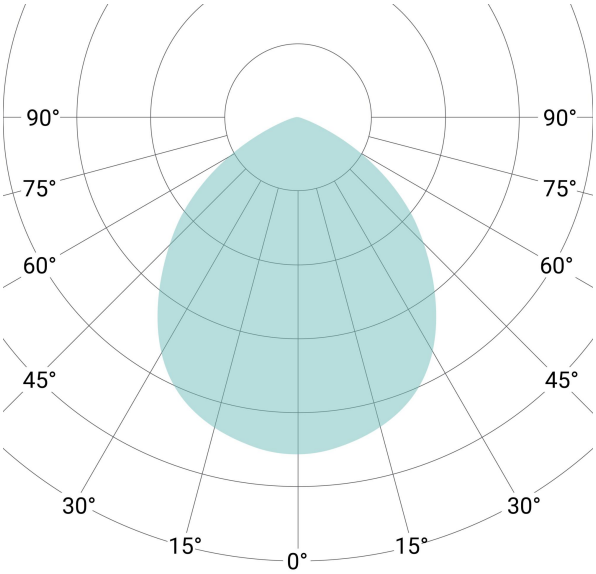
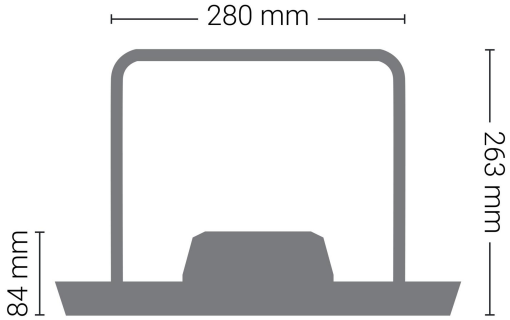
tempLED RayBeam Pro V2 100 - 90 4000K

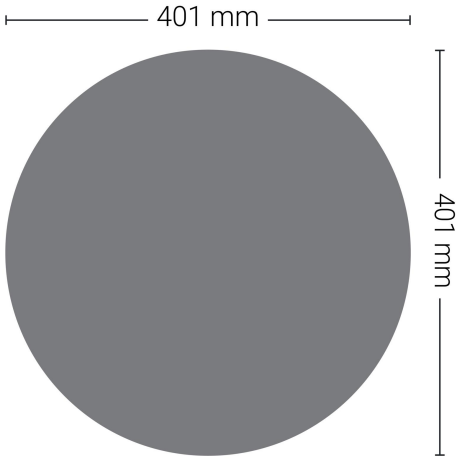
HALL LIGHT

Article number: 312594









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	90 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

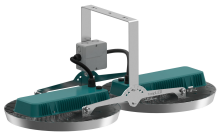
Luminaire housing characteristics	
Ambient temperature	from -40 to 50 degrees Celsius
Ingress protection	IP 65
Impact resistance level	IK08
Pressure compensation membrane	yes
Luminaire is UV-resistant	yes
Luminaire housing material	die-cast aluminum
Heat sink material	die-cast aluminum
Bracket material	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

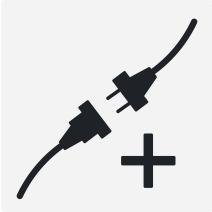
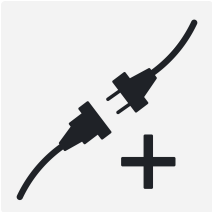
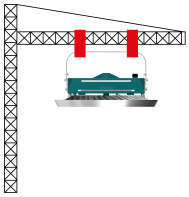
Control characteristics	
Dimming / control	DALI-2 available as an option after factory upgrade
Minimum dimming level	10 percent
LEDelligence	LEDelligence ready

Logistical characteristics	
EAN/GTIN	4262493350604
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	stock item

Accessories for this product

Figure	Description	Item no.	EAN / GTIN
	**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. 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** 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** 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** 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 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** 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.	312903	4262493351397

Accessories for this product

Figure	Description	Item no.	EAN / GTIN
	**Power Cable Extension** Extends the 3-pin power cord to a length of up to 10 meters using a cable connector.	333903	4260491843760
	**Power Cable Extension** Extends the 5-pin power cable to a length of up to 10 meters using a cable splice.	933499	4260491849687
	**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.	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: 90 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: 4262493350604 ; 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: stock 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.