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HIGH TEMPERATURE CRANE LIGHT
tempLED RayCrane HT

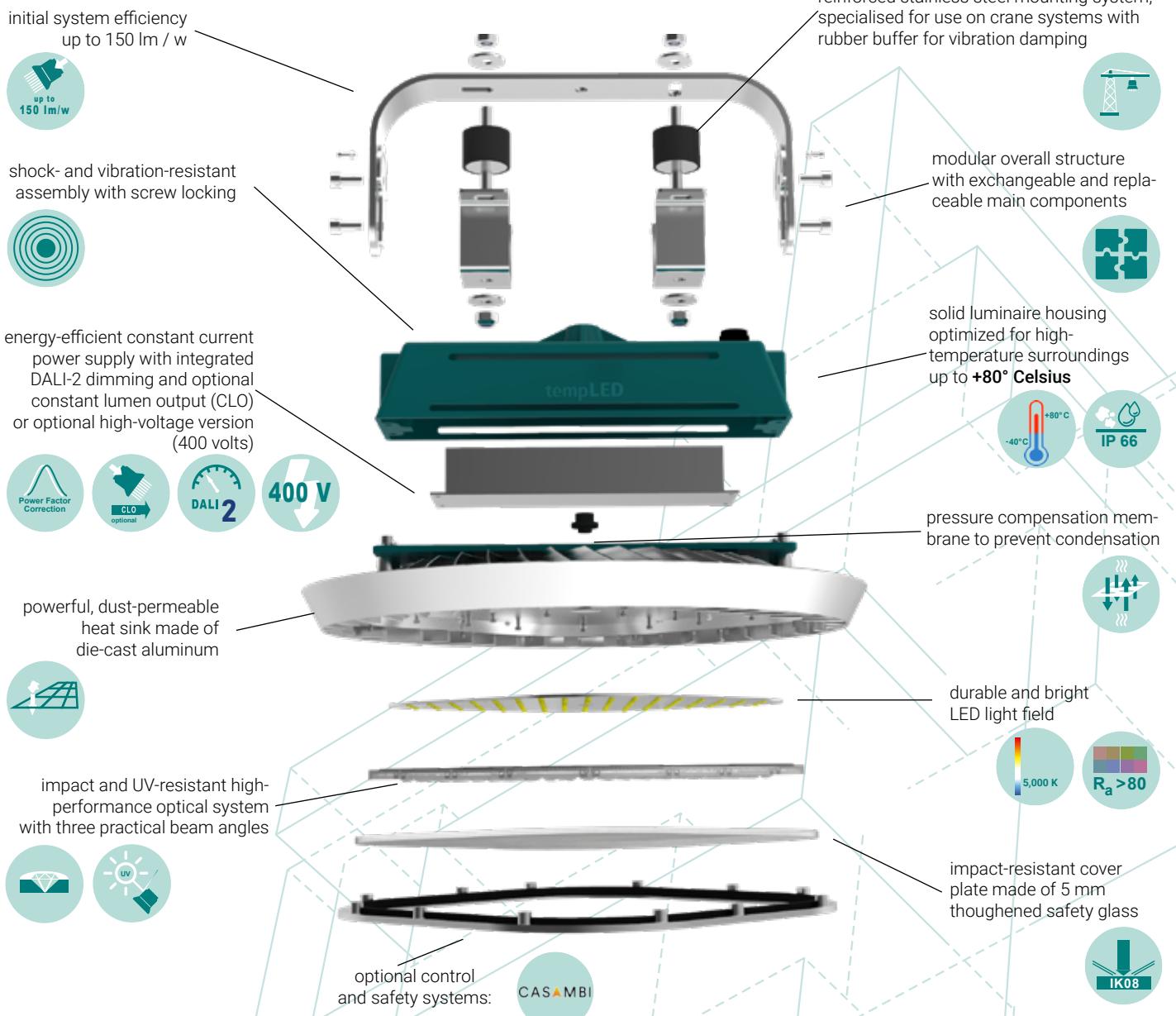
200 | 240 | 500

CRANE LIGHTING 

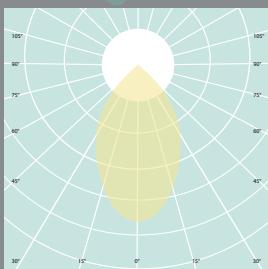
HIGH TEMPERATURES 

tempLED RayCrane HT

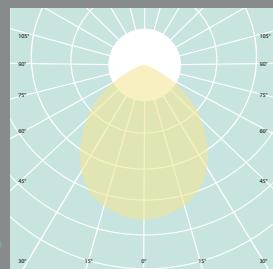
200 | 240



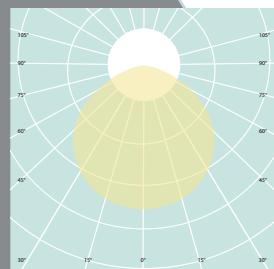
Light distribution curves tempLED RayCrane HT 200 | 240



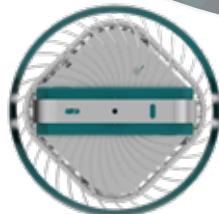
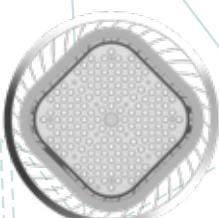
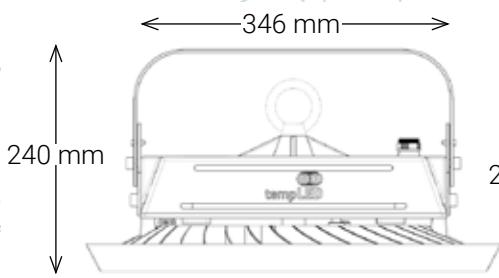
60 degrees symmetrical optical system



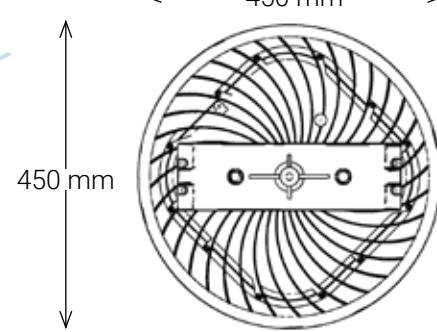
90 degrees symmetrical optical system



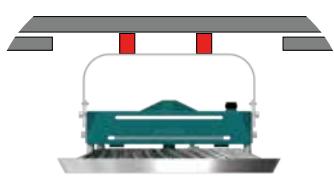
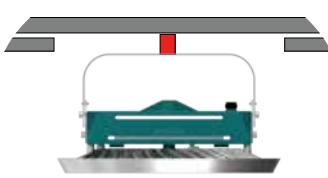
120 degrees symmetrical

**tempLED RayCrane HT
200 | 240****Dimensions tempLED RayCrane HT
200 | 240**

209 mm



450 mm

**Mounting options tempLED RayCrane HT
200 | 240**crane mounting with
two attachment pointscrane mounting with
one attachment pointcrane mounting kit 932810
in delivery includedcrane mounting kit 932812
available as an accessory

General technical data

according to IEC, identical for all tempLED RayCrane 200 and 240



Lighting properties:

initial luminous flux:	28,000 to 33,600 lumens
luminous flux tolerance:	± 10 percent
initial system efficiency:	up to 150 lumens / watt
initial, most similar color temperature:	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
compact flicker degree (CFD):	1 percent

Electrotechnical properties:

power supply AC:	90 to 240 volts ²
supply frequency:	50 / 60 hertz
power supply DC:	127 to 250 volts ³
system performance:	200 to 240 watts
system performance tolerance:	± 10 percent
power factor:	> 0.93
overvoltage protection:	yes
overheating protection:	yes
temperature monitoring:	yes
total harmonic distortion (THD):	< 20 percent
temperature classification (ATEX):	T5
Tc - temperature:	+89 degrees Celsius

Energy characteristics:

Valid for all tempLED RayCrane 200/240 HT with beam angle 60 and 90 degrees: This product contains a light source of energy efficiency class D.

Valid for all tempLED RayCrane 200 HT with beam angle 120 degrees: This product contains a light source of energy efficiency class C.

Mounting options:

standard mounting options:	crane mounting with two attachment points
optional mounting options:	crane mounting with one attachment point customised mounting solutions

¹ additional color temperatures on request.

² power supply 249 to 528 VAC - 50/60 Hz on request.

³ power supply 352 to 500 VDC on request.

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Control and safety properties:

dimming:	DALI-2
minimum dimming level:	10 percent
constant lumen output (CLO):	optional
control via the Casambi network:	optional ¹
human centric lighting:	on request
daylight control system:	optional via the Casambi network ¹

Housing properties:

ambient temperature:	-40 to +80 degrees Celsius
ingress protection:	IP 66
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 mounting bracket:	reinforced stainless steel, finish: natural ²
material of optical system:	impact- and UV-resistant polycarbonate
cover plate material:	5 mm impact-resistant thoughened safety glass, clear
luminaire housing color:	white aluminium according to RAL 9006 ²
power supply housing color:	water blue according to RAL 5021 ²
surface finish:	powder coating ²
supply cable type:	H05RN-F 5G1
supply cable length:	250 centimeters
supply cable inlet:	cable gland
supply cable connection type:	open cable end
number of poles:	3 grid / 2 DALI

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 ³
spare part guarantee:	10 years
delievery includes:	luminaire, reinforced stainless steel bracket, crane mounting kit with two attachment points and rope suspension as fall protection

¹ can only be used at ambient temperatures of max. +50 degrees Celsius

² optional luminaire housing colors and finishes: Paintings according to RAL colour chart, powder coatings according to RAL colour chart or synthetic resin coating.

³ according to the warranty conditions of tempLED GmbH, excluding accessories.

Logistic information:

luminaire:	RayCrane 200 240 HT
number of luminaires per package:	1
number of luminaires per pallet:	28
net weight of the luminaire:	9,500 g
gross weight per package:	11,500 g
package dimensions L x W x H:	510 x 510 x 270 mm

tempLED 200

	RayCrane 200 - 60 HT	RayCrane 200 - 120 HT
article number:	300665	300625
GTIN / EAN:	4260745234498	4260745234481
initial luminous flux:	28,000 lm	30,000 lm
initial system efficiency:	140 lm/w	150 lm/w
initial, most similar color temperature:	5,000 K	5,000 K
light distribution:	symmetrical	symmetrical
beam angle:	60 degrees	120 degrees
dimming / control:	DALI-2	DALI-2
system performance:	200 W	200 W
power consumption:	0.90 A	0.90 A
maximum inrush current:	24 A	24 A
dimensions (Ø x H):	450 x 240 mm	450 x 240 mm

tempLED 240

	RayCrane 240 - 60 HT	RayCrane 240 - 90 HT
article number:	300765	300795
GTIN / EAN:	4260745234504	4260745234511
initial luminous flux:	33,600 lm	33,600 lm
initial system efficiency:	140 lm/w	140 lm/w
initial, most similar color temperature:	5,000 K	5,000 K
light distribution:	symmetrical	symmetrical
beam angle:	60 degrees	90 degrees
dimming / control:	DALI-2	DALI-2
system performance:	240 W	240 W
power consumption:	1.04 A	1.04 A
maximum inrush current:	24 A	24 A
dimensions (Ø x H):	450 x 240 mm	450 x 240 mm

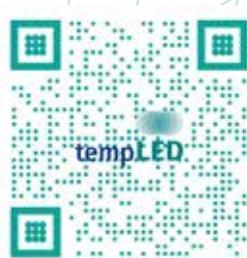
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Accessory catalogue RayCrane 200 and 240 HT

art.-no.

GTIN / EAN

	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 as a set of 2, included in the delivery of all tempLED RayCranes	932810	4260491842114
	crane mounting kit with one attachment point with rubber buffer shock-absorbing installation device for luminaire mounting on vibration-loaded crane systems, size: M10, material: stainless steel, finish: natural	932812	4260745230636
	supply cable extension ready-to-use 3-pin supply cable extension up to 10 meters	333903	4260491843760
	safety plug 3-pin safety plug with ingress protection IP 44, installed on the supply cable of the luminaire	945400	4260491842251
	Wieland connector RST 20i5 5-pin socket part; color coding: turquoise blue, 250 V, 20 A, with protective conductor, for cable diameter 6 - 10 mm	945430	4260491842329
	Wieland connector RST 20i5 5-pin connector part; color coding: turquoise blue, 250 V, 20 A, with protective conductor, installed on the supply cable of the luminaire	945431	4260491842336
	kit for outsourcing the integrated power supply unit kit for outsourcing the power supply unit installed as standard in the luminaire housing, e.g. in a switch cabinet, delivery includes: 1 m light field cable H07RN-F5G1, 1x Wieland socket RST20i5, 1x Wieland plug RST20i5, maximum possible distance between luminaire and power supply unit: 35 m	932402	4260745234566
	preassembly for outsourcing the integrated power supply unit - cable length: 35 m preassembled cable set for relocation of the power supply unit installed as standard in the luminaire housing e.g. in a control cabinet, scope of delivery: preassembled light field cable output with mounted Wieland plug RST20i5 on luminaire side, 35 m ready-made connecting cable H07RN-F5G1 black connection cable between luminaire and power supply unit, preassembled output cable with mounted Wieland socket RST20i5 on power supply side	932403	4260745234573
	cover plate polycarbonate impact-resistant cover plate, thickness 5 mm, material: polycarbonat, finish: clear	333902	42604919843753
	Casambi control unit for integrating and controlling the luminaire via the Casambi network, can only be used at ambient temperatures of max. +50 degrees Celsius, mounted on the luminaire ready for use	934187	4260669198203



Direct link to the tempLED download portal

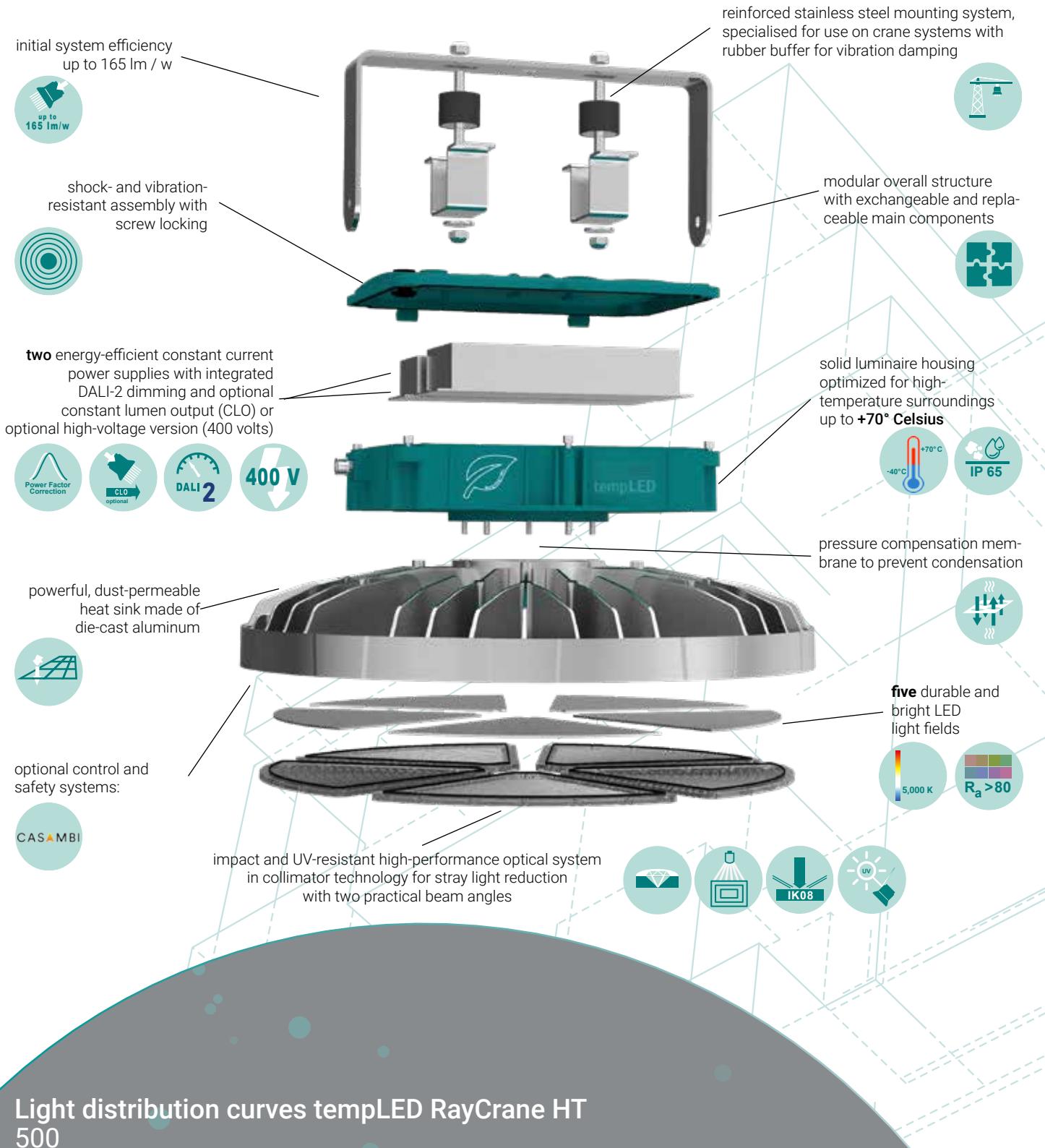


LED is sustainable.
LED is the future.

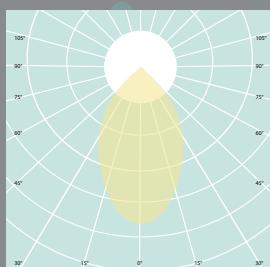
tempLED luminaires fulfil a recycling rate of > 90%. That is our product promise to you.

When will you start?

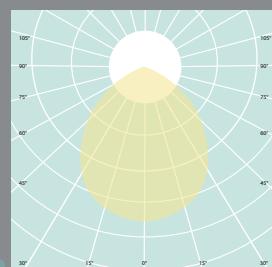
tempLED RayCrane HT 500



Light distribution curves tempLED RayCrane HT 500



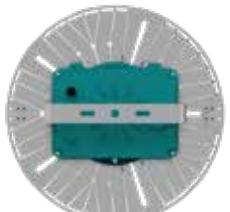
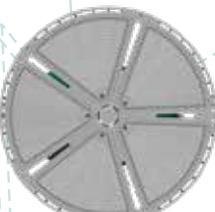
60 degrees symmetrical linear technology



90 degrees symmetrical linear technology

tempLED RayCrane HT

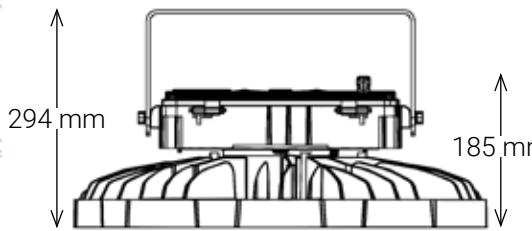
500



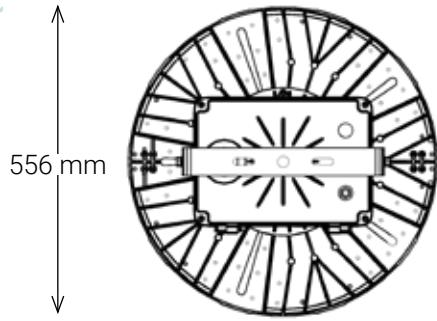
Dimensions tempLED RayCrane HT

500

360 mm



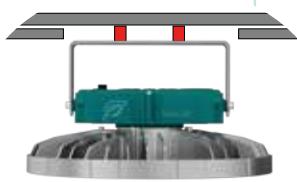
556 mm



Mounting options tempLED RayCrane HT

500

crane mounting with
two attachment points



crane mounting with
one attachment point



crane mounting kit 932810
in delivery included

crane mounting kit 932812
available as an accessory

General technical data

according to IEC, identical for all tempLED RayCrane 500 HT



Lighting properties:

initial luminous flux:	82,500 lumens
luminous flux tolerance:	± 10 percent
initial system efficiency:	up to 165 lumens / watt
initial, most similar color temperature:	5,000 kelvins ¹
initial color rendering index (CRI):	Ra > 80
initial color consistency:	< 5 SDCM
available symmetrical beam angles:	60 and 90 degrees
photobiological safety:	IEC/TR 62778: 1
compact flicker degree (CFD):	1 percent
stray light reduction:	yes, with linear technology

Electrotechnical properties:

power supply AC:	90 to 240 volts ²
supply frequency:	50 / 60 hertz
power supply DC:	140 to 250 volts ³
system performance:	500 watts
system performance tolerance:	± 10 percent
integrated power supplies:	two
power factor:	> 0.90
overvoltage protection:	yes
overheating protection:	yes
temperature monitoring:	yes
total harmonic distortion (THD):	< 20 percent
temperature classification (ATEX):	T5
Tc - temperature:	+89 degrees Celsius

Energy characteristics:

Valid for all tempLED RayCrane 500 HT:	This product contains a light source of energy efficiency class C.
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Mounting options:

standard mounting options:	crane mounting with two attachment points
optional mounting options:	crane mounting with one attachment point customised mounting solutions

¹ additional color temperatures on request.

² power supply 249 to 528 VAC - 50/60 Hz on request.

³ power supply 352 to 500 VDC on request.

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Control and safety properties:

dimming:	DALI-2
minimum dimming level:	10 percent
constant lumen output (CLO):	optional
control via the Casambi network:	optional ¹
human centric lighting:	on request
daylight control system:	optional via the Casambi network ¹

Housing properties:

ambient temperature:	-40 to +70 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 mounting bracket:	reinforced stainless steel, finish: natural ²
material of optical system:	impact- and UV-resistant polycarbonate
cover plate material:	optional (335900)
luminaire housing color:	white aluminium according to RAL 9006 ²
power supply housing color:	water blue according to RAL 5021 ²
surface finish:	powder coating ²
supply cable type:	H05RN-F 5G1
supply cable length:	250 centimeters
supply cable inlet:	cable gland
supply cable connection type:	open cable end
number of poles:	3 grid / 2 DALI

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 ³
spare part guarantee:	10 years
delievery includes:	luminaire, reinforced stainless steel bracket, crane mounting kit with two attachment points and rope suspension as fall protection

¹ can only be used at ambient temperatures of max. +50 degrees Celsius.

² optional luminaire housing colors and finishes: Paintings according to RAL colour chart, powder coatings according to RAL colour chart or synthetic resin coating.

³ according to the warranty conditions of tempLED GmbH, excluding accessories.

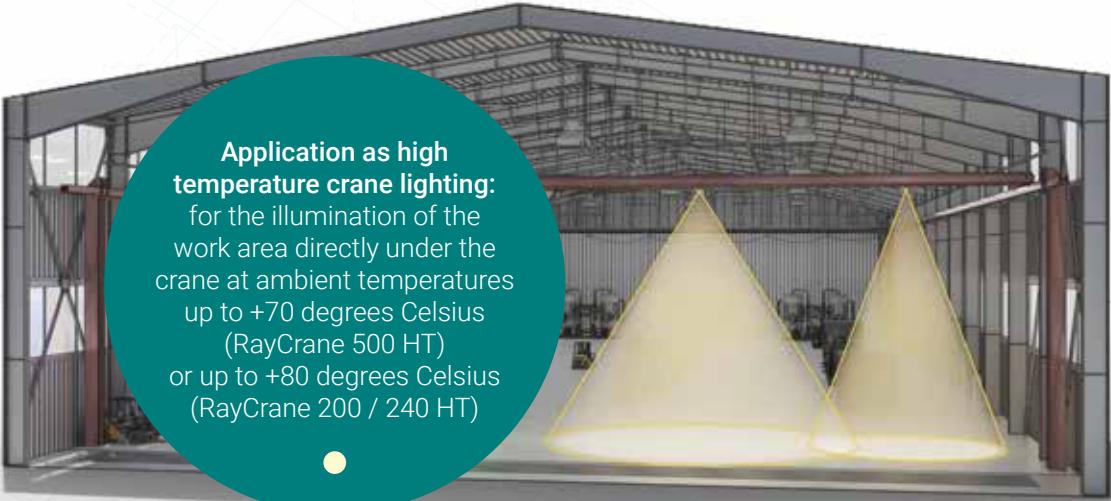
Logistic information:

luminaire:	RayCrane 500 HT
number of luminaires per package:	1
number of luminaires per pallet:	8
net weight of the luminaire:	18,700 g
gross weight per package:	21,500 g
package dimensions L x W x H:	750 x 700 x 330 mm

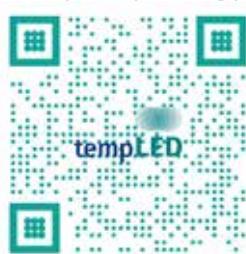
tempLED 500

	STOCK ITEM	RayCrane 500 - 60 HT	STOCK ITEM	RayCrane 500 - 90 HT
article number:		300865		300895
GTIN / EAN:		4260745234528		4260745234535
initial luminous flux:		82,500 lm		82,500 lm
initial system efficiency:		165 lm/w		165 lm/w
initial, most similar color temperature:		5,000 K		5,000 K
light distribution:		symmetrical		symmetrical
beam angle:		60 degrees		90 degrees
dimming / control:		DALI-2		DALI-2
system performance:		500 W		500 W
power consumption:		2.17 A		2.17 A
maximum inrush current:		80 A		80 A
dimensions (Ø x H):		556 x 294 mm		556 x 294 mm

Application as high temperature crane lighting:
for the illumination of the work area directly under the crane at ambient temperatures up to +70 degrees Celsius
(RayCrane 500 HT)
or up to +80 degrees Celsius
(RayCrane 200 / 240 HT)



tempLED	Accessory catalogue RayCrane 500 HT	art.-no.	GTIN / EAN
	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 as a set of 2, included in the delivery of all tempLED RayCranes	932810	4260491842114
	crane mounting kit with one attachment point with rubber buffer shock-absorbing installation device for luminaire mounting on vibration-loaded crane systems, size: M10, material: stainless steel, finish: natural	932812	4260745230636
	supply cable extension ready-to-use 3-pin supply cable extension up to 10 meters	333903	4260491843760
	safety plug 3-pin safety plug with ingress protection IP 44, installed on the supply cable of the luminaire	945400	4260491842251
	Wieland connector RST 20i5 5-pin socket part; color coding: turquoise blue, 250 V, 20 A, with protective conductor, for cable diameter 6 - 10 mm	945430	4260491842329
	Wieland connector RST 20i5 5-pin connector part; color coding: turquoise blue, 250 V, 20 A, with protective conductor, installed on the supply cable of the luminaire	945431	4260491842336
	kit for outsourcing the integrated power supply units kit for outsourcing the power supply units installed as standard in the luminaire housing, e.g. in a switch cabinet, delivery includes: 2x 1 m light field cable H07RN-F5G1, 2x Wieland socket RST20i5, 2x Wieland plug RST20i5, maximum possible distance between luminaire and power supply unit: 35 m	932400	4260745234542
	preassembly for outsourcing the integrated power supply units - cable length: 35 m preassembled cable set for outsourcing the power supply units installed as standard in the luminaire housing e.g. in a switch cabinet, scope of delivery: preassembled light field cable with mounted outlets with mounted Wieland RST20i5 plugs on luminaire side, 35 m ready-made connection cable H07RN-F5G1 black between luminaire and power supply unit, preassembled y-cable with mounted Wieland socket RST20i5 on power supply side	932401	4260745234559
	wear disc impact-resistant wear disc, material: toughened safety glass, thickness: 5 millimeters, finish: clear, can be mounted and replaced without tools, delivery includes mounting material	335900	4260491844590
	Casambi control unit for integrating and controlling the luminaire via the Casambi network, can only be used at ambient temperatures of max. +50 degrees Celsius, mounted on the luminaire ready for use	934189	4260669198227



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