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tempLED

CRANE LIGHT

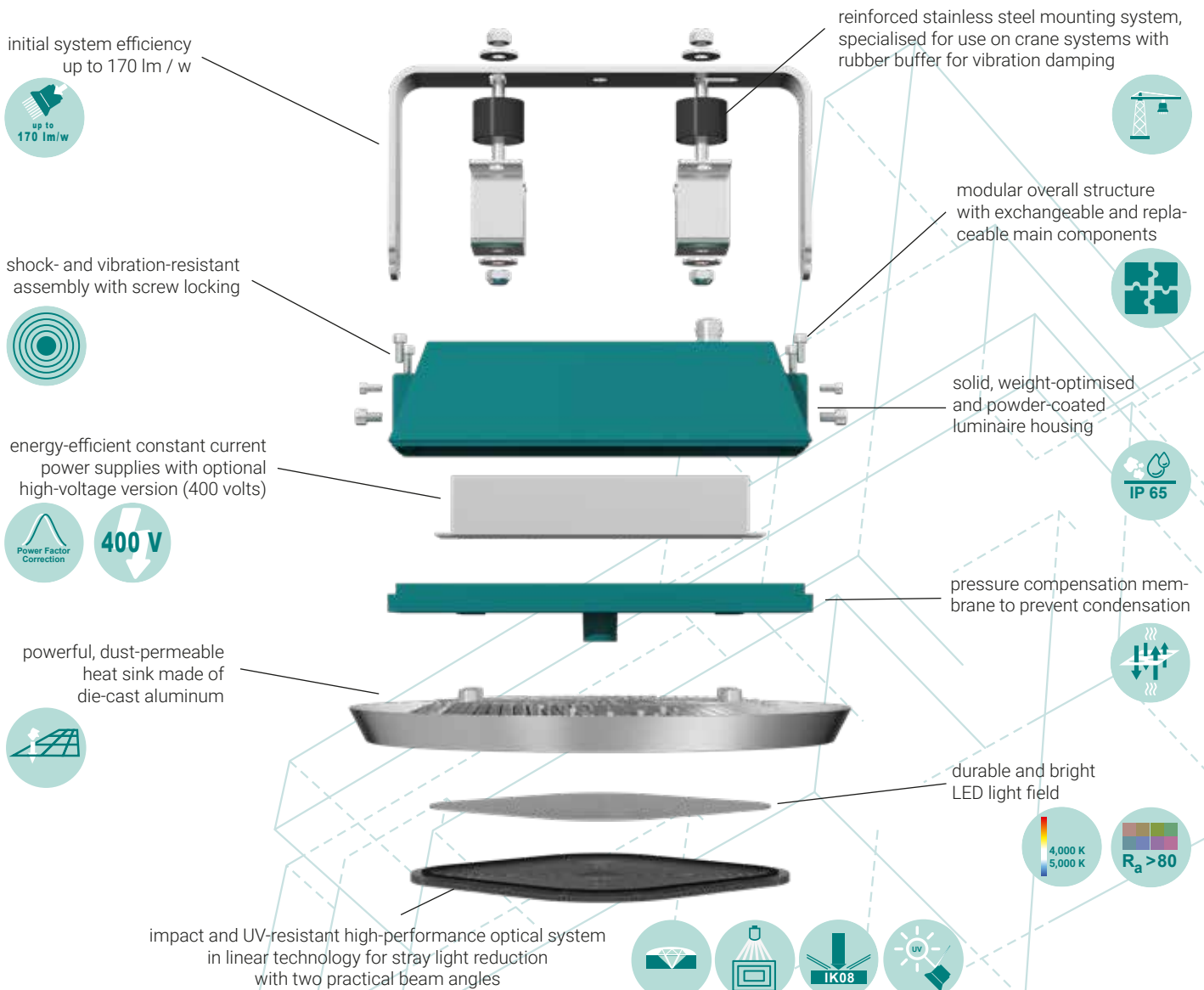
tempLED RayCrane

200 | 300

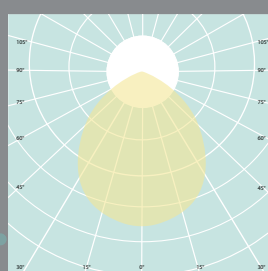
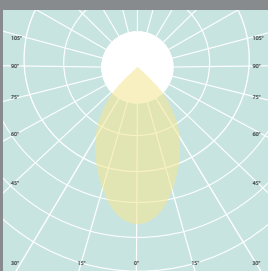
Our customer
ThyssenKrupp

CRANE LIGHTING 

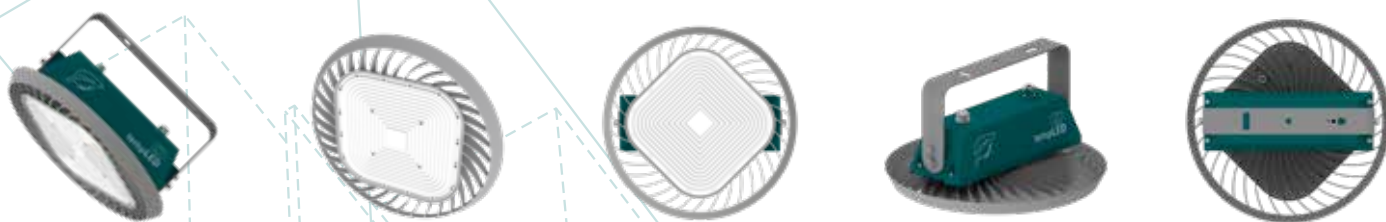
tempLED RayCrane 200 | 300



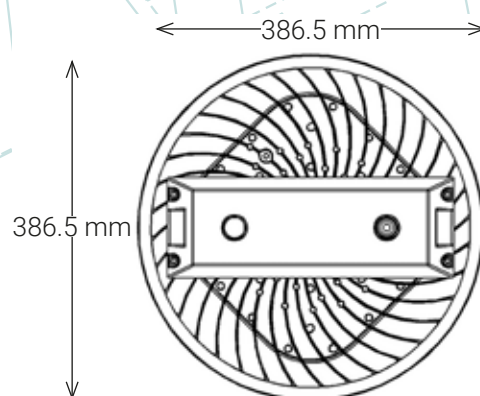
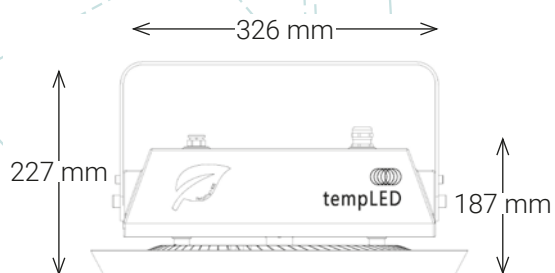
Light distribution curves tempLED RayCrane 200 | 300



tempLED RayCrane 200 | 300

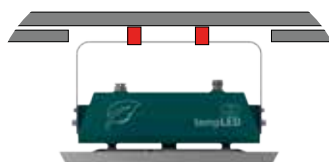


Dimensions tempLED RayCrane 200 | 300



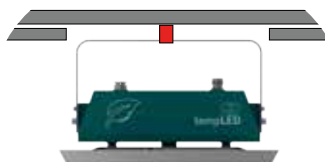
Mounting options tempLED RayCrane 200 | 300

crane mounting with
two attachment points



crane mounting kit 932810
in delivery included

crane mounting with
one attachment point



crane mounting kit 932812
available as an accessory

General technical data

according to IEC, identical for all tempLED RayCrane 200 and 300



Lighting properties:

initial luminous flux:	34,000 to 51,000 lumens
luminous flux tolerance:	± 10 percent
initial system efficiency:	up to 170 lumens / 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 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:	200 to 300 watts
system performance tolerance:	± 10 percent
power factor:	> 0.95
overvoltage protection:	yes
overheating protection:	yes
temperature monitoring:	yes
total harmonic distortion (THD):	< 10 percent
temperature classification (ATEX):	T5
Tc - temperature:	+90 degrees Celsius

Energy characteristics:

Valid for all tempLED RayCrane 200 and 300:	This product contains a light source of energy efficiency class B.
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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.

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 mounting bracket:	reinforced stainless steel, finish: natural ¹
material of optical system:	impact- and UV-resistant polycarbonate
luminaire housing color:	white aluminium according to RAL 9006 ¹
power supply housing color:	water blue according to RAL 5021 ¹
surface finish:	powder coating ¹
supply cable type:	H05RN-F 3G1
supply cable length:	40 centimeters
supply cable inlet:	cable gland
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 ²
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 optional luminaire housing colors and finishes: Paintings according to RAL colour chart, powder coatings according to RAL colour chart or synthetic resin coating.

² according to the warranty conditions of tempLED GmbH, excluding accessories.

Logistic information:

luminaire:	RayCrane 200	RayCrane 300
number of luminaires per package:	1	1
number of luminaires per pallet:	32	32
net weight of the luminaire:	5,100 g	6,200 g
gross weight per package:	7,100 g	8,200 g
package dimensions L x W x H:	435 x 435 x 205 mm	435 x 435 x 205 mm

tempLED 200



RayCrane 200 - 60



RayCrane 200 - 90



RayCrane 200 - 60



RayCrane 200 - 90

article number:	300264	300294	300265	300295
GTIN / EAN:	4260745230322	4260745230346	4260745230339	4260745230353
initial luminous flux:	34,000 lm	34,000 lm	34,000 lm	34,000 lm
initial system efficiency:	170 lm/w	170 lm/w	170 lm/w	170 lm/w
initial, most similar color temperature:	4,000 K	4,000 K	5,000 K	5,000 K
light distribution:	symmetrical	symmetrical	symmetrical	symmetrical
beam angle:	60 degrees	90 degrees	60 degrees	90 degrees
dimming / control:	none	none	none	none
system performance:	200 W	200 W	200 W	200 W
power consumption:	0.87 A	0.87 A	0.87 A	0.87 A
maximum inrush current:	110 A	110 A	110 A	110 A
dimensions (Ø x H):	386.5 x 227 mm	386.5 x 227 mm	386.5 x 227 mm	386.5 x 227 mm

tempLED 300



RayCrane 300 - 60



RayCrane 300 - 90

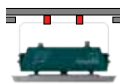
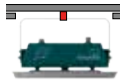








RayCrane 300 - 60



RayCrane 300 - 90

article number:	300364	300394	300365	300395
GTIN / EAN:	4260745230438	4260745230452	4260745230445	4260745230469
initial luminous flux:	51,000 lm	51,000 lm	51,000 lm	51,000 lm
initial system efficiency:	170 lm/w	170 lm/w	170 lm/w	170 lm/w
initial, most similar color temperature:	4,000 K	4,000 K	5,000 K	5,000 K
light distribution:	symmetrical	symmetrical	symmetrical	symmetrical
beam angle:	60 degrees	90 degrees	60 degrees	90 degrees
dimming / control:	none	none	none	none
system performance:	300 W	300 W	300 W	300 W
power consumption:	1.30 A	1.30 A	1.30 A	1.30 A
maximum inrush current:	13.6 A	13.6 A	13.6 A	13.6 A
dimensions (Ø x H):	386.5 x 227 mm	386.5 x 227 mm	386.5 x 227 mm	386.5 x 227 mm

tempLED	Accessory catalogue RayCrane 200 and 300	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, 1x Wieland socket RST20i3, 1x Wieland plug RST20i3, maximum possible distance between luminaire and power supply unit: 35 m	932404	4260745234580
	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 RST20i3 on luminaire side, 35 m ready-made connecting cable black connection cable between luminaire and power supply unit, preassembled output cable with mounted Wieland socket RST20i3 on power supply side	932405	4260745234597



Direct link to the tempLED
download portal

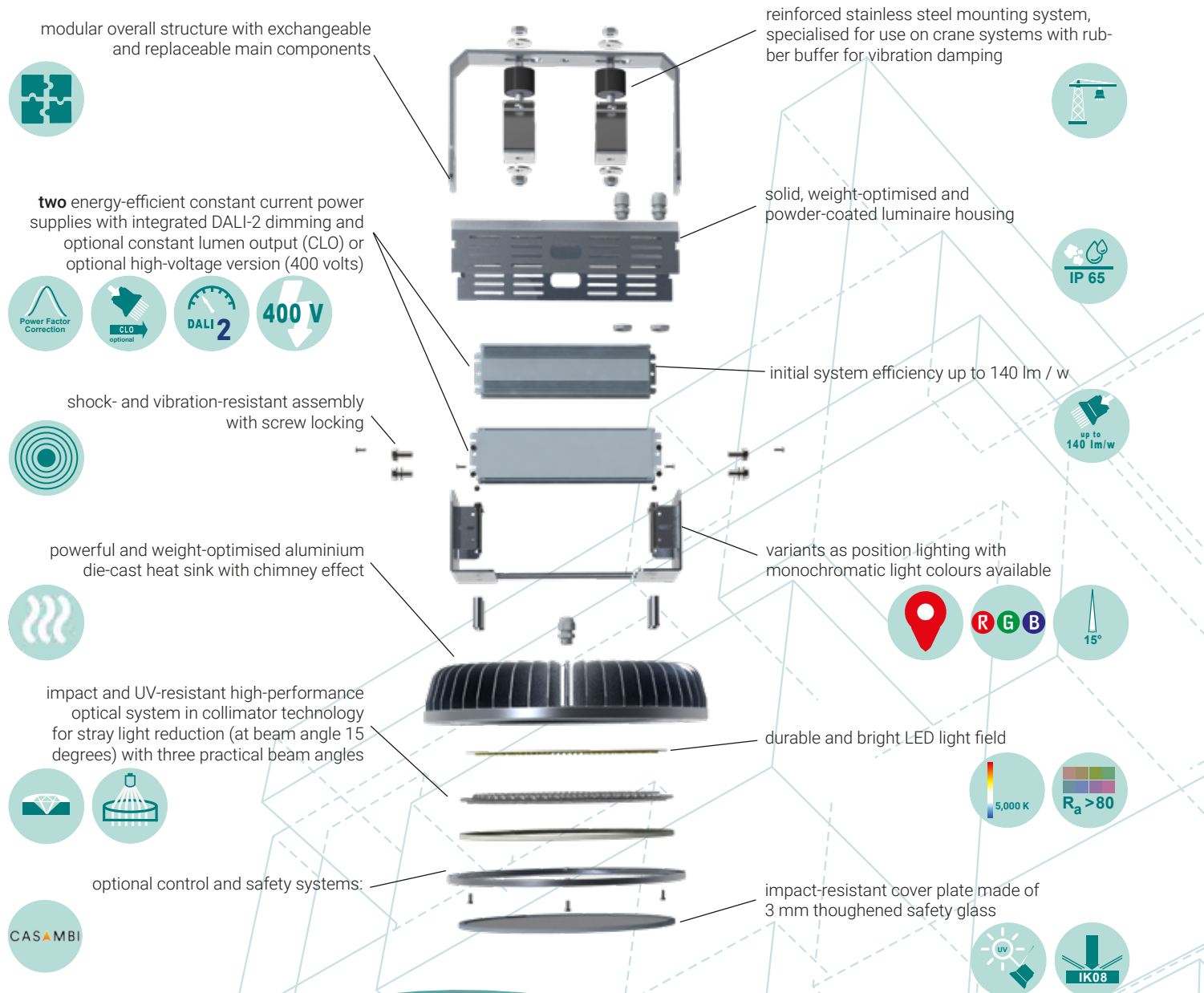


LED is sustainable.
LED is the future.

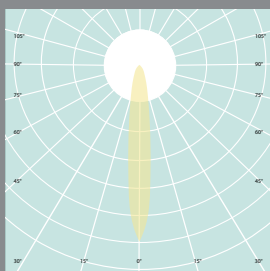
tempLED luminaires fulfil a recycling rate of > 90%.
That is our product promise to you.

When will you start?

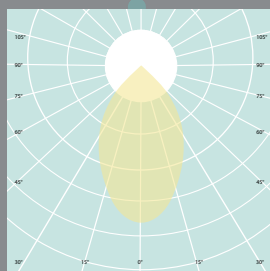
tempLED RayCrane 500



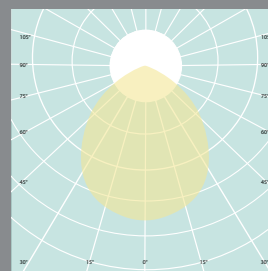
Light distribution curves tempLED RayCrane 500



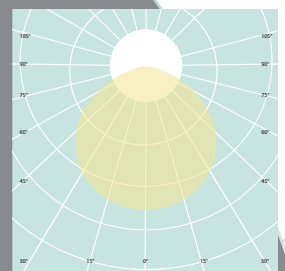
15 degrees symmetrical optical system collimator technology



60 degrees symmetrical optical system



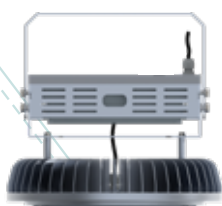
90 degrees symmetrical optical system



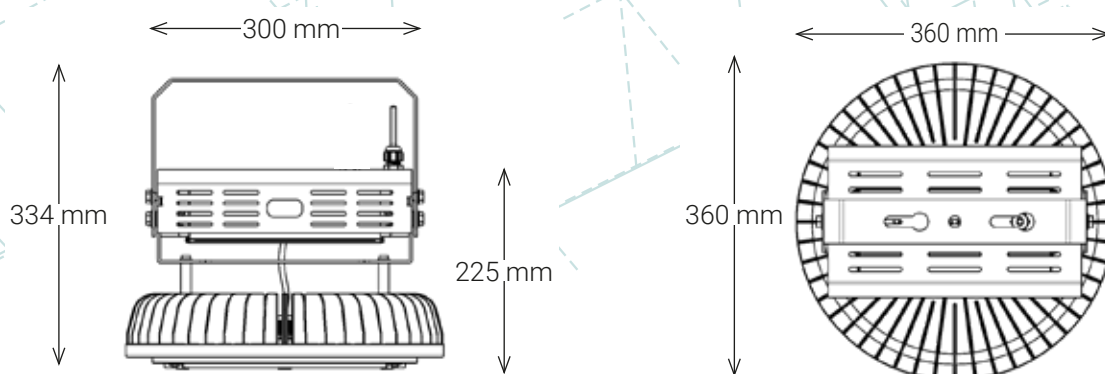
120 degrees symmetrical optical system



tempLED RayCrane 500

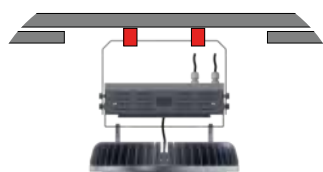


Dimensions tempLED RayCrane 500



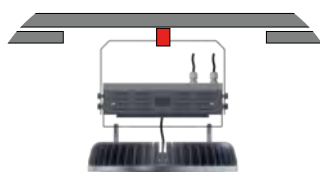
Mounting options tempLED RayCrane 500

crane mounting with
two attachment points



crane mounting kit 932810
in delivery included

crane mounting with
one attachment point



crane mounting kit 932812
available as an accessory

General technical data

according to IEC, identical for all tempLED RayCrane 500



Lighting properties:

initial luminous flux:	65,000 to 70,000 lumens (valid for 5,000 kelvins only)
luminous flux tolerance:	± 10 percent
initial system efficiency:	up to 140 lumens / watt
initial, most similar color temperature:	5,000 kelvins ¹
optional available special light colors:	monochromatic red, green and blue light
initial color rendering index (CRI):	Ra > 80 (valid for 5,000 kelvins only)
initial color consistency:	< 5 SDCM (valid for 5,000 kelvins only)
available symmetrical beam angles:	15 60 90 120 degrees
photobiological safety:	IEC/TR 62778: 1
compact flicker degree (CFD):	1 percent
stray light reduction:	yes, with collimator technology (valid for beam angle 15 degrees only)

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:	500 watts
system performance tolerance:	± 10 percent
integrated power supplies:	two
power factor:	> 0.93
overvoltage protection:	yes
overheating protection:	yes
temperature monitoring:	yes
total harmonic distortion (THD):	< 15 percent
temperature classification (ATEX):	T5
Tc - temperature:	+89 degrees Celsius

Energy characteristics:

Valid for all tempLED RayCrane 500 with 5,000 kelvins:	This product contains a light source of energy efficiency class D.
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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.

Control and safety properties:

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

Housing properties:

ambient temperature:	–30 to +50 degrees Celsius
ingress protection:	IP 65
impact resistance level:	IK08
electrical protection class:	I
limited surface temperatur (D):	yes
housing and heat sink material(s):	die-cast aluminum
material(s) and finish of the standard mounting bracket:	reinforced stainless steel, finish: natural ¹
material of optical system:	impact- and UV-resistant polycarbonate
cover plate material:	3 mm impact-resistant toughened safety glass, clear
luminaire housing color:	white aluminium according to RAL 9006 ¹
surface finish:	powder coating ¹
supply cable type:	H05RN-F 5G1
supply cable length:	100 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 ²
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 optional luminaire housing colors and finishes: Paintings according to RAL colour chart, powder coatings according to RAL colour chart or synthetic resin coating.

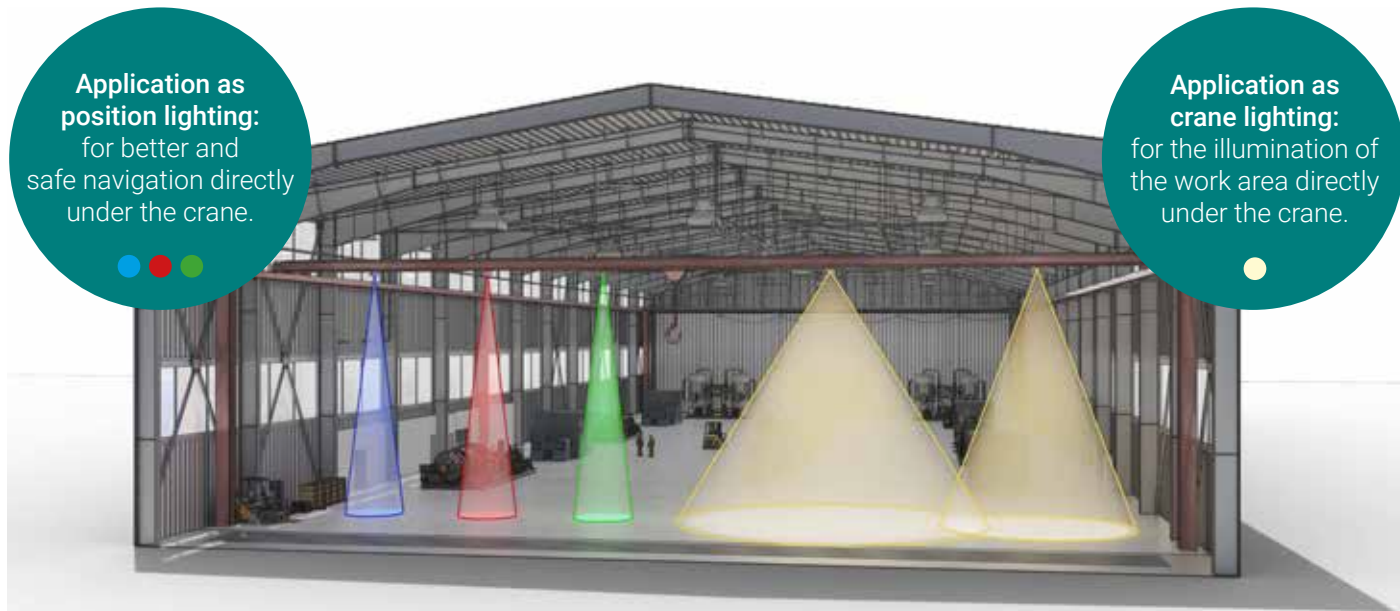
² according to the warranty conditions of tempLED GmbH, excluding accessories.

Logistic information:

luminaire:	RayCrane 500
number of luminaires per package:	1
number of luminaires per pallet:	24
net weight of the luminaire:	11,000 g
gross weight per package:	12,400 g
package dimensions L x W x H:	450 x 450 x 290 mm

Application as position lighting:
for better and safe navigation directly under the crane.

Application as crane lighting:
for the illumination of the work area directly under the crane.



luminaires for crane lighting


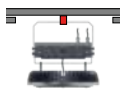







tempLED 500

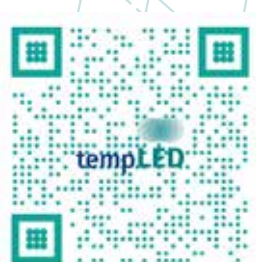
	STOCK ITEM RayCrane 500 - 15	STOCK ITEM RayCrane 500 - 60	STOCK ITEM RayCrane 500 - 90	STOCK ITEM RayCrane 500 - 120
article number:	300515	300565	300595	300525
GTIN / EAN:	4260745230537	4260745230551	4260745230575	4260745230599
initial luminous flux:	65,000 lm	65,000 lm	65,000 lm	70,000 lm
initial system efficiency:	130 lm/w	130 lm/w	130 lm/w	140 lm/w
initial, most similar color temperature:	5,000 K	5,000 K	5,000 K	5,000 K
light distribution:	symmetrical	symmetrical	symmetrical	symmetrical
beam angle:	15 degrees	60 degrees	90 degrees	120 degrees
dimming / control:	DALI-2	DALI-2	DALI-2	DALI-2
system performance:	500 W	500 W	500 W	500 W
power consumption:	2.30 A	2.30 A	2.30 A	2.30 A
maximum inrush current:	80 A	80 A	80 A	80 A
dimensions (Ø x H):	360 x 334 mm	360 x 334 mm	360 x 334 mm	360 x 334 mm

luminaires for position lighting

tempLED 500

	STOCK ITEM RayCrane 500 - 15	STOCK ITEM RayCrane 500 - 15	STOCK ITEM RayCrane 500 - 15
article number:	30051R	30051G	30051B
GTIN / EAN:	42607452300605	4260745230612	4260745230629
light color:	monochromatic red light	monochromatic green light	monochromatic blue light
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	15 degrees	15 degrees	15 degrees
dimming / control:	DALI-2	DALI-2	DALI-2
system performance:	500 W	500 W	500 W
power consumption:	2.30 A	2.30 A	2.30 A
maximum inrush current:	80 A	80 A	80 A
dimensions (Ø x H):	360 x 334 mm	360 x 334 mm	360 x 334 mm

tempLED	Accessory catalogue RayCrane 500	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 5-pin supply cable extension up to 10 meters	933499	4260491849687
	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, 2x Wieland socket RST20i5, 2x Wieland plug RST20i5, maximum possible distance between luminaire and power supply unit: 35 m	932406	4260745234603
	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 black between luminaire and power supply unit, preassembled y-cable with mounted Wieland socket RST20i5 on power supply side	932407	4260745234610
	Casambi control unit for integrating and controlling the luminaire via the Casambi network, mounted on the luminaire ready for use	934237	4260745230100



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