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tempLED



HIGH-TEMPERATURE, MULTI-FUNCTION LIGHTS

tempLED RayBase V2

30 HT | 50 HT | 80 HT | 30 UHT | 50 UHT | 80 UHT

HIGH TEMPERATURE 

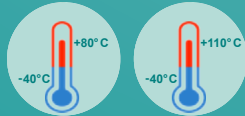
pressure compensation membrane to prevent condensation



stable and compact luminaire housing made of die-cast aluminum



high-performance heat sink with chimney effect for high-temperature surroundings of up to + 110° Celsius



impact-resistant cover plate made of toughened safety glass



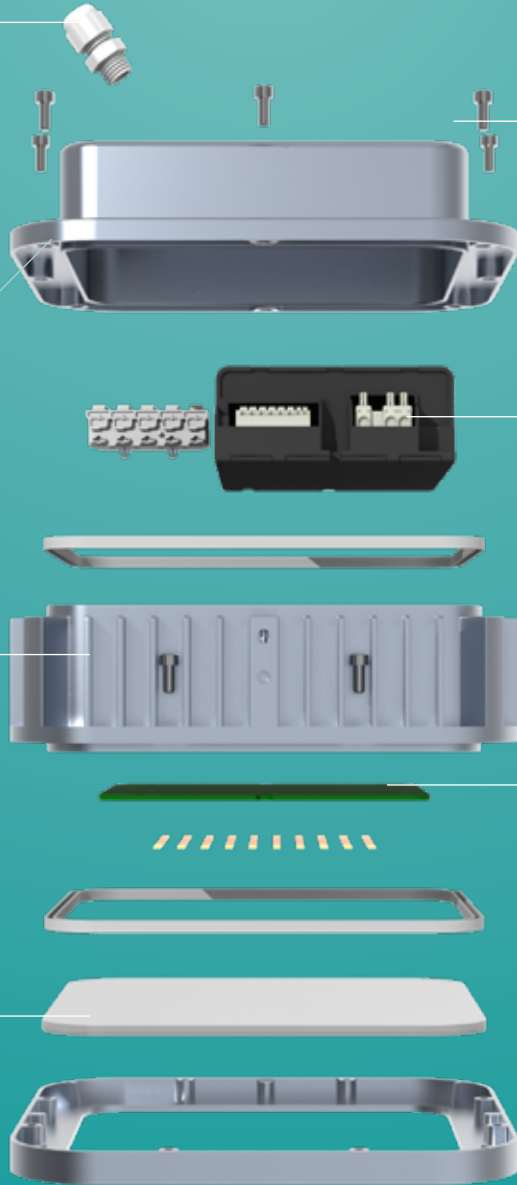
modular overall structure with exchangeable and replaceable main components



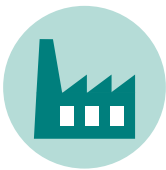
energy-efficient constant current power supply with integrated DALI dimming and optional constant lumen output (CLO)



durable and bright LED light field



Applications:



industry plants



loading stations



construction sites



machinery



high-temperature surroundings

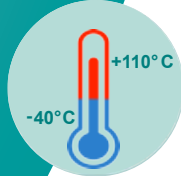
initial system efficiency
up to 140 lm / w



flexible performance levels
from 30 to 80 w

30 / 50 /
80 W

for high-temperature
surroundings



up to 5 years guarantee

5
years
guarantee

up to
11,200
lm

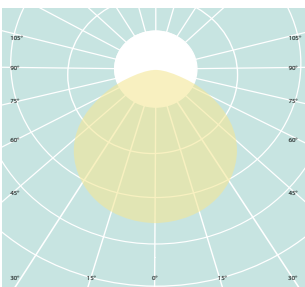


10
years
spare part
guarantee



»The small allrounder
for hot environments«

Light distribution curve tempLED RayBase V2
30 HT | 50 HT | 80 HT | 30 UHT | 50 UHT | 80 UHT



120 degrees symmetrical

General technical data (according to IEC, identical for all types of luminaires)

Lighting properties

initial luminous flux:	approx. 4,200 to 11,200 lumens	luminous flux tolerance:	± 10 percent
initial system efficiency:	up to 140 lumens / watt	photobiological safety:	IEC/TR 62778: 1
initial, most similar color temperature:	4,000 and 5,000 kelvins ¹	initial color consistency:	< 5 SDCM
initial color rendering index (CRI):	R _a > 80	compact flicker degree (CFD):	on request

¹ additional color temperatures on request

Electrotechnical properties

power supply (AC):	198 to 240 volts	supply frequency:	50 / 60 hertz
power supply (DC):	176 to 250 volts	power factor:	> 0.90
system performance:	30 to 80 watts	system performance tolerance:	± 10 percent
overvoltage protection:	yes	overheating protection:	yes
temperature monitoring:	yes	total harmonic distortion:	< 20 percent
temperature classification (ATEX):	T5	T _c temperature (HT models only):	+85 degrees Celsius
T _c temperature (UHT models only):	+90 degrees Celsius		

Control and dimming properties

dimming:	DALI	minimum dimming level:	10 percent
control:	on request	constant lumen output (CLO):	optional
emergency light module:	optional ²		² can only be used at ambient temperatures of max. +50 degrees Celsius

Housing properties

ambient temperature (HT models only):	-40 to +80 degrees Celsius	ambient temperature (UHT models only):	-40 to +110 degrees Celsius ³
ingress protection:	IP 67	electrical protection class:	I
impact resistance level:	IK08	pressure compensation membrane:	yes
housing material:	die-cast aluminum	cover plate material:	toughened safety glass
limited surface temperature (D):	HT models only	supply connection type:	open cable end
housing color:	white aluminum (RAL9006)	optional housing color:	painting acc. to RAL color chart

³ maximum working temperature for the external power supply: +60 degrees Celsius

Additional informationen

certificates:	ENEC in preparation	conformities:	CE and RoHS
lifespan (L70B10C1):	approx. 100,000 hours	lifespan (L90B10C1):	approx. 50,000 hours
guarantee (HT models only):	5 years ⁴	guarantee (UHT models only):	3 years ³
spare parts guarantee:	10 years		
delivery includes:	luminaire and mounting bracket		

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

Logistic informationen

RayBase V2 30 | 50 | 80 HT

RayBase V2 30 | 50 | 80 UHT

number of luminaires per package:	1	1
number of luminaires per pallet:	156	108
net weight of luminaire:	3,500 g	2,700 g
gross weight per package:	3,800 g	4,200 g
package dimensions L x W x H:	280 x 240 x 140 mm	280 x 240 x 200 mm

Energy characteristics

Valid for all tempLED RayBase V2 HT:	This product contains a light source of energy efficiency class D.
Valid for all tempLED RayBase V2 UHT:	This product contains a light source of energy efficiency class D.



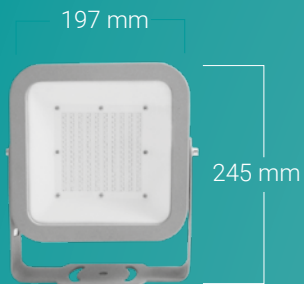
tempLED RayBase V2

30 HT | 50 HT | 80 HT | 30 UHT | 50 UHT | 80 UHT



Dimensions tempLED RayBase V2

30 HT | 50 HT | 80 HT | 30 UHT | 50 UHT | 80 UHT



Mounting options tempLED RayBase V2

30 HT | 50 HT | 80 HT | 30 UHT | 50 UHT | 80 UHT

bracket mounting^{1,2}



¹ Adjustment range for ceiling mounting: 0 to 360 degrees.

² Adjustment range for wall mounting: 0 to 360 degrees.

30 HT

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RayBase V2 30 - 120 HT

RayBase V2 30 - 120 HT

article number:	871324	871325
GTIN / EAN:	4260669195875	4260669191877
initial luminous flux:	approx. 4,200 lm	approx. 4,200 lm
initial system efficiency:	approx. 140 lm / W	approx. 140 lm / W
initial, most similar color temp.:	4,000 K	5,000 K
light distribution:	symmetrical	symmetrical
beam angle:	120°	120°
dimming / control:	DALI	DALI
system performance:	30 W	30 W
power consumption:	0.15 A	0.15 A
maximum inrush current:	25 A	25 A
ambient temperature:	-40 to +80 °C	-40 to +80 °C
power supply:	internal	internal
supply cable type:	H05RN-F 3G1	H05RN-F 3G1
supply cable length:	300 cm	300 cm
number of poles:	3 grid / 2 DALI	3 grid / 2 DALI
dimensions L x W x H:	197 x 100 x 245 mm	197 x 100 x 245 mm
stock item:	no	no

30 UHT

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RayBase V2 30 - 120 UHT

RayBase V2 30 - 120 UHT

article number:	872324	872325
GTIN / EAN:	4260669195905	4260669191907
initial luminous flux:	approx. 4,200 lm	approx. 4,200 lm
initial system efficiency:	approx. 140 lm / W	approx. 140 lm / W
initial, most similar color temp.:	4,000 K	5,000 K
light distribution:	symmetrical	symmetrical
beam angle:	120°	120°
dimming / control:	DALI	DALI
system performance:	30 W	30 W
power consumption:	0.15 A	0.15 A
maximum inrush current:	25 A	25 A
ambient temperature of the luminaire:	-40 to +110 °C	-40 to +110 °C
power supply:	external	external
ambient temperature of the power supply:	-40 to +60 °C	-40 to +60 °C
supply cable type power supply <-> luminaire:	SiHF 2x0.75	SiHF 2x0.75
supply cable length power supply <-> luminaire:	300 cm	300 cm
cable connector power supply <-> luminaire:	2-pole screw connector	2-pole screw connector
grid supply cable type:	H05RN-F 3G1	H05RN-F 3G1
grid supply cable length:	50 cm	50 cm
DALI control cable type:	H05RN-F 5x0.5	H05RN-F 5x0.5
DALI control cable length:	20 cm	20 cm
number of poles:	3 grid / 2 DALI	3 grid / 2 DALI
dimensions L x W x H of the luminaire:	197 x 100 x 245 mm	197 x 100 x 245 mm
weight of the luminaire:	2,700 g	2,700 g
dimensions L x W x H of the power supply:	200 x 70 x 40 mm	200 x 70 x 40 mm
weight of the power supply:	1,000 g	1,000 g
stock item:	no	no

tempLED 50 HT

	RayBase V2 50 - 120 HT	RayBase V2 50 - 120 HT
article number:	871524	871525
GTIN / EAN:	4260669195882	4260669191884
initial luminous flux:	approx. 7,000 lm	approx. 7,000 lm
initial system efficiency:	approx. 140 lm / W	approx. 140 lm / W
initial, most similar color temp.:	4,000 K	5,000 K
light distribution:	symmetrical	symmetrical
beam angle:	120°	120°
dimming / control:	DALI	DALI
system performance:	50 W	50 W
power consumption:	0.22 A	0.22 A
maximum inrush current:	32 A	32 A
ambient temperature:	-40 to +80 °C	-40 to +80 °C
power supply:	internal	internal
supply cable type:	H05RN-F 3G1	H05RN-F 3G1
supply cable length:	300 cm	300 cm
number of poles:	3 grid / 2 DALI	3 grid / 2 DALI
dimensions L x W x H:	197 x 100 x 245 mm	197 x 100 x 245 mm
stock item:	no	yes

tempLED 50 UHT

	RayBase V2 50 - 120 UHT	RayBase V2 50 - 120 UHT
article number:	872524	872525
GTIN / EAN:	4260669195912	4260669191914
initial luminous flux:	approx. 7,000 lm	approx. 7,000 lm
initial system efficiency:	approx. 140 lm / W	approx. 140 lm / W
initial, most similar color temp.:	4,000 K	5,000 K
light distribution:	symmetrical	symmetrical
beam angle:	120°	120°
dimming / control:	DALI	DALI
system performance:	50 W	50 W
power consumption:	0.22 A	0.22 A
maximum inrush current:	32 A	32 A
ambient temperature of the luminaire:	-40 to +110 °C	-40 to +110 °C
power supply:	external	external
ambient temperature of the power supply:	-40 to +60 °C	-40 to +60 °C
supply cable type power supply <-> luminaire:	SiHF 2x0.75	SiHF 2x0.75
supply cable length power supply <-> luminaire:	300 cm	300 cm
cable connector power supply <-> luminaire:	2-pole screw connector	2-pole screw connector
grid supply cable type:	H05RN-F 3G1	H05RN-F 3G1
grid supply cable length:	50 cm	50 cm
DALI control cable type:	H05RN-F 5x0.5	H05RN-F 5x0.5
DALI control cable length:	20 cm	20 cm
number of poles:	3 grid / 2 DALI	3 grid / 2 DALI
dimensions L x W x H of the luminaire:	197 x 100 x 245 mm	197 x 100 x 245 mm
weight of the luminaire:	2,700 g	2,700 g
dimensions L x W x H of the power supply:	200 x 70 x 40 mm	200 x 70 x 40 mm
weight of the power supply:	1,000 g	1,000 g
stock item:	no	yes

80 HT

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RayBase V2 80 - 120 HT

RayBase V2 80 - 120 HT

article number:	871824	871825
GTIN / EAN:	4260669195899	4260669191891
initial luminous flux:	approx. 11,200 lm	approx. 11,200 lm
initial system efficiency:	approx. 140 lm / W	approx. 140 lm / W
initial, most similar color temp.:	4,000 K	5,000 K
light distribution:	symmetrical	symmetrical
beam angle:	120°	120°
dimming / control:	DALI	DALI
system performance:	80 W	80 W
power consumption:	0.35 A	0.35 A
maximum inrush current:	42 A	42 A
ambient temperature:	-40 to +80 °C	-40 to +80 °C
power supply:	internal	internal
supply cable type:	H05RN-F 3G1	H05RN-F 3G1
supply cable length:	300 cm	300 cm
number of poles:	3 grid / 2 DALI	3 grid / 2 DALI
dimensions L x W x H:	197 x 100 x 245 mm	197 x 100 x 245 mm
stock item:	no	yes

80 UHT






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RayBase V2 80 - 120 UHT

RayBase V2 80 - 120 UHT

article number:	872824	872825
GTIN / EAN:	4260669195929	4260669191921
initial luminous flux:	approx. 11,200 lm	approx. 11,200 lm
initial system efficiency:	approx. 140 lm / W	approx. 140 lm / W
initial, most similar color temp.:	4,000 K	5,000 K
light distribution:	symmetrical	symmetrical
beam angle:	120°	120°
dimming / control:	DALI	DALI
system performance:	80 W	80 W
power consumption:	0.35 A	0.35 A
maximum inrush current:	42 A	42 A
ambient temperature of the luminaire:	-40 to +110 °C	-40 to +110 °C
power supply:	external	external
ambient temperature of the power supply:	-40 to +60 °C	-40 to +60 °C
supply cable type power supply <-> luminaire:	SiHF 2x0.75	SiHF 2x0.75
supply cable length power supply <-> luminaire:	300 cm	300 cm
cable connector power supply <-> luminaire:	2-pole screw connector	2-pole screw connector
grid supply cable type:	H05RN-F 3G1	H05RN-F 3G1
grid supply cable length:	50 cm	50 cm
DALI control cable type:	H05RN-F 5x0.5	H05RN-F 5x0.5
DALI control cable length:	20 cm	20 cm
number of poles:	3 grid / 2 DALI	3 grid / 2 DALI
dimensions L x W x H of the luminaire:	197 x 100 x 245 mm	197 x 100 x 245 mm
weight of the luminaire:	2,700 g	2,700 g
dimensions L x W x H of the power supply:	200 x 70 x 40 mm	200 x 70 x 40 mm
weight of the power supply:	1,000 g	1,000 g
stock item:	no	yes

ACCESSORIES

		EAN / GTIN	art. no.
	supply cable extension suitable for tempLED RayBase V2 30 / 50 / 80 HT ready-to-use 5-pin supply cable extension up to 10 meters	4260491849687	933499
	supply cable extension suitable for tempLED RayBase V2 30 / 50 / 80 UHT ready-to-use 3-pin supply cable extension up to 10 meters	4260491843760	333903
	DALI control cable extension suitable for tempLED RayBase V2 30 / 50 / 80 UHT ready-to-use 2-pin DALI control cable extension up to 10 meters	4260491843777	333904
	supply cable extension suitable for tempLED RayBase V2 30 / 50 / 80 UHT ready-to-use 2-pin supply cable extension between luminaire and power supply up to 10 meters	4260669198937	934220
	emergency light module for wall mounting with automatic detection of failure and return of supply voltage, display of functional status, battery type: LiFePO4, running time either approx. 1 hour with an output power of approx. 6 watts or approx. 3 hours with an output power of approx. 3 watts, recharging time: approx. 24 hours, can only be used at ambient temperatures of max. +50 degrees Celsius wall mounting bracket included	4260745230261	932282



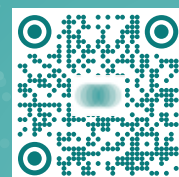
data sheets



lighting design files



installation instructions



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