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**tempLED**



HIGH TEMPERATURE HALL LIGHT

tempLED RayBase V3

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

HALL LIGHTS 
HIGH TEMPERATURES 

Our customer
ThyssenKrupp

tempLED

pressure compensation membrane to prevent condensation



modular overall structure with exchangeable and replaceable main components



solid luminaire housing for high-temperature surroundings with durable powder coating



energy-efficient constant current power supply with integrated DALI-2 dimming and optional constant lumen output (CLO)



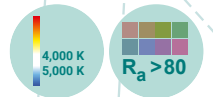
high performance heat sink with chimney effect for high ambient temperatures up to +110° Celsius



initial system efficiency up to 145 lm / w



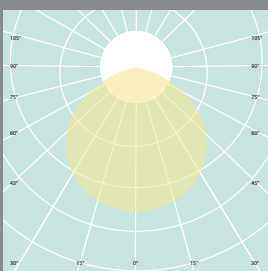
durable and bright LED light field



opaque, impact-resistant cover plate made of toughened safety glass



Light distribution curve tempLED RayBase V3 30 HT | 50 HT | 80 HT | 30 UHT | 50 UHT | 80 UHT



OPAL
symmetric
diffuse light distribution
beam angle: approx. 120 degrees



tempLED RayBase V3

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

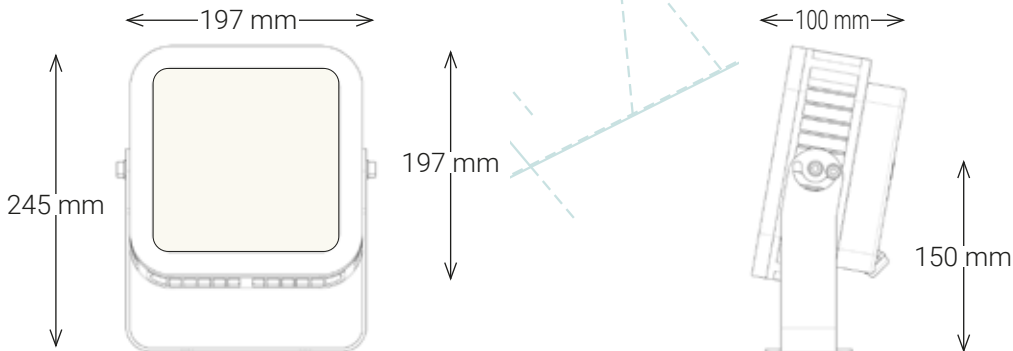


RayBase V3 UHT
with external power supply



Dimensions tempLED RayBase V3

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



Mounting options tempLED RayBase V3

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

bracket mounting¹



¹Adjustment range for surface mounting with standard mounting bracket: 0 to 360 degrees.

General technical data

according to IEC, identical for all types of luminaires



HT types only

Lighting properties:

initial luminous flux:	4,080 to 11,600 lumens
luminous flux tolerance:	± 10 percent
initial system efficiency:	up to 145 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:	120 degrees
photobiological safety:	IEC/TR 62778: 1
compact flicker degree (CFD):	on request

Electrotechnical properties:

power supply AC valid for HT types:	198 to 240 volts
power supply AC valid for UHT types:	100 to 240 volts
supply frequency:	50 / 60 hertz
power supply DC valid for HT types only:	176 to 250 volts
power supply DC valid for UHT types only:	127 to 250 volts
system performance:	30 to 80 watts
system performance tolerance:	± 10 Prozent
power factor:	> 0,90
overvoltage protection:	ja
overheating protection:	ja
temperature monitoring:	ja
total harmonic distortion (THD):	< 10 percent
temperature classification (ATEX):	T5
Tc - temperature valid for HT types:	+85 degrees Celsius
Tc - temperature valid for UHT types:	+90 degrees Celsius

Energy characteristics:

Valid for all tempLED RayBase V3 HT:	This product contains a light source of energy efficiency class D.
Valid for all tempLED RayBase V3 UHT:	This product contains a light source of energy efficiency class D.

Mounting options:

standard mounting options:	mounting bracket with adjustment range 0 to 360 degrees
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¹ additional color temperatures on request.

Control and safety properties:

dimming:	DALI-2
minimum dimming level:	10 percent
constant lumen output (CLO):	optional

Housing properties:

ambient temperature valid for HT types:	-30 to +80 degrees Celsius
ambient temperature valid for UHT types:	-30 to +110 degrees Celsius
ingress protection:	IP 67
impact resistance level:	IK08
electrical protection class:	I
limited surface temperatur (D):	yes, valid for HT types only
pressure compensation membrane:	yes
housing and heat sink material(s):	die-cast aluminum
material(s) and finish of the standard ceiling bracket:	steel, powder-coated in white aluminium according to RAL 9006 ¹
cover plate material:	impact-resistant toughened safety glass
design of the cover plate:	opaque
luminaire housing color:	white aluminium according to RAL 9006 ¹
surface finish:	powder coating ¹
supply cable type:	please see product tables
supply cable length:	please see product tables
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) @ Ta 25 degrees Celsius:	approx. 100,000 hours
lifespan (L70B10C1) @ Ta 80 degrees Celsius:	approx. 80,000 hours (valid for HT types only)
lifespan (L70B10C1) @ Ta 110 degrees Celsius:	approx. 80,000 hours (valid for UHT types only)
lifespan (L90B10C1) @ Ta 25 degrees Celsius:	approx. 50,000 hours
guarantee valid for HT types:	5 years ³
guarantee valid for UHT types:	3 years ³
spare part guarantee:	10 years
delievery includes:	luminaire and mounting bracket

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:	RayBase V3 30 50 80 HT	RayBase V3 30 50 80 UHT
number of luminaires per package:	1	1
number of luminaires per pallet:	156	108
net weight of the 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

tempLED **30 HT**

	RayBase V3 30 - 120 HT	RayBase V3 30 - 120 HT
article number:	871334	871335
GTIN / EAN:	4260745239158	4260745239165
initial luminous flux:	4,350 lm	4,350 lm
initial system efficiency:	145 lm/w	145 lm/w
initial, most similar color temperature:	4,000 K	5,000 K
light distribution:	symmetrical diffuse	symmetrical diffuse
beam angle:	approx. 120 degrees	approx. 120 degrees
dimming / control:	DALI-2	DALI-2
system performance:	30 W	30 W
power consumption:	0.15 A	0.15 A
maximum inrush current:	25 A	25 A
ambient temperature:	-30 to +80 °C	-30 to +80 °C
power supply:	internal	internal
supply cable type:	H05SS-F 5G1	H05SS-F 5G1
supply cable length:	300 cm	300 cm
dimensions (L x W x H):	197 x 100 x 245 mm	197 x 100 x 245 mm
net weight:	3,500 g	3,500 g

tempLED **30 UHT**

	RayBase V3 30 - 120 UHT	RayBase V3 30 - 120 UHT
article number:	872334	872335
GTIN / EAN:	4260745239219	4260745239226
initial luminous flux:	4,080 lm	4,080 lm
initial system efficiency:	135 lm/w	135 lm/w
initial, most similar color temperature:	4,000 K	5,000 K
light distribution:	symmetrical diffuse	symmetrical diffuse
beam angle:	approx. 120 degrees	approx. 120 degrees
dimming / control:	DALI-2	DALI-2
system performance:	30 W	30 W
power consumption:	0.15 A	0.15 A
maximum inrush current:	25 A	25 A
luminaire's ambient temperature:	-30 to +110 °C	-30 to +110 °C
power supply:	external	external
power supply's ambient temperature:	-30 to +60 °C	-30 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
supply connection power supply <-> luminaire:	2-pin screw connector	2-pin screw connector
max. cable length power supply <-> luminaire:	90 m (for cable cross section 1.5 sqmm)	90 m (for cable cross section 1.5 sqmm)
supply cable type:	H05RN-F 3G1	H05RN-F 3G1
supply cable length:	50 cm	50 cm
control cable type:	H05RN-F 5x0,5	H05RN-F 5x0,5
control cable length:	20 cm	20 cm
luminaire's dimensions (L x W x H):	197 x 100 x 245 mm	197 x 100 x 245 mm
luminaire's net weight:	2,700 g	2,700 g
power supply's dimensions (L x W x H):	200 x 70 x 40 mm	200 x 70 x 40 mm
power supply's net weight:	1,000 g	1,000 g

tempLED **50 HT**

	RayBase V3 50 - 120 HT	RayBase V3 50 - 120 HT
article number:	871534	871535
GTIN / EAN:	4260745239172	4260745239189
initial luminous flux:	7,250 lm	7,250 lm
initial system efficiency:	145 lm/w	145 lm/w
initial, most similar color temperature:	4,000 K	5,000 K
light distribution:	symmetrical diffuse	symmetrical diffuse
beam angle:	approx. 120 degrees	approx. 120 degrees
dimming / control:	DALI-2	DALI-2
system performance:	50 W	50 W
power consumption:	0.22 A	0.22 A
maximum inrush current:	32 A	32 A
ambient temperature:	-30 to +80 °C	-30 to +80 °C
power supply:	internal	internal
supply cable type:	H05SS-F 5G1	H05SS-F 5G1
supply cable length:	300 cm	300 cm
dimensions (L x W x H):	197 x 100 x 245 mm	197 x 100 x 245 mm
net weight:	3,500 g	3,500 g

tempLED **50 UHT**

	RayBase V3 50 - 120 UHT	RayBase V3 50 - 120 UHT
article number:	872534	872535
GTIN / EAN:	4260745239233	4260745239240
initial luminous flux:	6,750 lm	6,750 lm
initial system efficiency:	135 lm/w	135 lm/w
initial, most similar color temperature:	4,000 K	5,000 K
light distribution:	symmetrical diffuse	symmetrical diffuse
beam angle:	approx. 120 degrees	approx. 120 degrees
dimming / control:	DALI-2	DALI-2
system performance:	50 W	50 W
power consumption:	0.22 A	0.22 A
maximum inrush current:	32 A	32 A
luminaire's ambient temperature:	-30 to +110 °C	-30 to +110 °C
power supply:	external	external
power supply's ambient temperature:	-30 to +60 °C	-30 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
supply connection power supply <-> luminaire:	2-pin screw connector	2-pin screw connector
max. cable length power supply <-> luminaire:	60 m (for cable cross section 1.5 sqmm)	60 m (for cable cross section 1.5 sqmm)
supply cable type:	H05RN-F 3G1	H05RN-F 3G1
supply cable length:	50 cm	50 cm
control cable type:	H05RN-F 5x0,5	H05RN-F 5x0,5
control cable length:	20 cm	20 cm
luminaire's dimensions (L x W x H):	197 x 100 x 245 mm	197 x 100 x 245 mm
luminaire's net weight:	2,700 g	2,700 g
power supply's dimensions (L x W x H):	200 x 70 x 40 mm	200 x 70 x 40 mm
power supply's net weight:	1,000 g	1,000 g



tempLED 80 HT



RayBase V3 80 - 120 HT

article number:	871834
GTIN / EAN:	4260745239196
initial luminous flux:	11,600 lm
initial system efficiency:	145 lm/w
initial, most similar color temperature:	4,000 K
light distribution:	symmetrical diffuse
beam angle:	approx. 120 degrees
dimming / control:	DALI-2
system performance:	80 W
power consumption:	0.35 A
maximum inrush current:	42 A
ambient temperature:	-30 to +80 °C
power supply:	internal
supply cable type:	H05SS-F 5G1
supply cable length:	300 cm
dimensions (L x W x H):	197 x 100 x 245 mm
net weight:	3,500 g



RayBase V3 80 - 120 HT

article number:	871835
GTIN / EAN:	4260745239202
initial luminous flux:	11,600 lm
initial system efficiency:	145 lm/w
initial, most similar color temperature:	5,000 K
light distribution:	symmetrical diffuse
beam angle:	approx. 120 degrees
dimming / control:	DALI-2
system performance:	80 W
power consumption:	0.35 A
maximum inrush current:	42 A
ambient temperature:	-30 to +80 °C
power supply:	internal
supply cable type:	H05SS-F 5G1
supply cable length:	300 cm
dimensions (L x W x H):	197 x 100 x 245 mm
net weight:	3,500 g

tempLED 80 UHT









RayBase V3 80 - 120 UHT

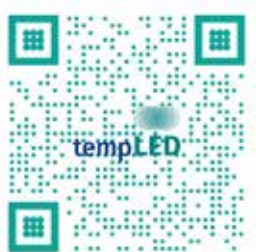
article number:	872834
GTIN / EAN:	4260745239257
initial luminous flux:	10,800 lm
initial system efficiency:	135 lm/w
initial, most similar color temperature:	4,000 K
light distribution:	symmetrical
beam angle:	120 degrees
dimming / control:	DALI-2
system performance:	80 W
power consumption:	0.35 A
maximum inrush current:	42 A
luminaire's ambient temperature:	-30 to +110 °C
power supply:	external
power supply's ambient temperature:	-30 to +60 °C
supply cable type power supply <-> luminaire:	SiHF 2x0,75
supply cable length power supply <-> luminaire:	300 cm
supply connection power supply <-> luminaire:	2-pin screw connector
max. cable length power supply <-> luminaire:	30 m (for cable cross section 1.5 sqmm)
supply cable type:	H05RN-F 3G1
supply cable length:	50 cm
control cable type:	H05RN-F 5x0,5
control cable length:	20 cm
luminaire's dimensions (L x W x H):	197 x 100 x 245 mm
luminaire's net weight:	2,700 g
power supply's dimensions (L x W x H):	200 x 70 x 40 mm
power supply's net weight:	1,000 g



RayBase V3 80 - 120 UHT

article number:	872835
GTIN / EAN:	4260745239264
initial luminous flux:	10,800 lm
initial system efficiency:	135 lm/w
initial, most similar color temperature:	5,000 K
light distribution:	symmetrical
beam angle:	120 degrees
dimming / control:	DALI-2
system performance:	80 W
power consumption:	0.35 A
maximum inrush current:	42 A
luminaire's ambient temperature:	-30 to +110 °C
power supply:	external
power supply's ambient temperature:	-30 to +60 °C
supply cable type power supply <-> luminaire:	SiHF 2x0,75
supply cable length power supply <-> luminaire:	300 cm
supply connection power supply <-> luminaire:	2-pin screw connector
max. cable length power supply <-> luminaire:	30 m (for cable cross section 1.5 sqmm)
supply cable type:	H05RN-F 3G1
supply cable length:	50 cm
control cable type:	H05RN-F 5x0,5
control cable length:	20 cm
luminaire's dimensions (L x W x H):	197 x 100 x 245 mm
luminaire's net weight:	2,700 g
power supply's dimensions (L x W x H):	200 x 70 x 40 mm
power supply's net weight:	1,000 g

tempLED	Accessory catalogue RayBase V3 HT/UHT	art.-no.	GTIN / EAN
	mounting bracket stainless steel adjustment range: 0 to 360 degrees, material: stainless steel V2A, finish: nature	933777	4260491849908
	supply cable extension suitable for all tempLED RayBase V3 HT ready-to-use 5-pin supply cable extension up to 10 meters	933566	4260745235570
	supply cable extension suitable for all tempLED RayBase V3 UHT ready-to-use 3-pin supply cable extension up to 10 meters	333903	4260491843760
	control cable extension suitable for all tempLED RayBase V3 UHT ready-to-use 2-pin control cable extension up to 10 meters	333904	4260491843777
	luminaire cable extension suitable for all tempLED RayBase V3 UHT ready-to-use 2-pin SiHF supply cable extension between luminaire and external power supply up to 10 meters	934220	4260669198937
	clear cover plate cover plate made of toughened safety glass (ESG), thickness: 4 mm, impact resistant to IK08 standard, finish: clear, initial system efficiency of luminaires with clear cover plate: 140 to 150 lm/w	933497	4260669193376



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?