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**tempLED**



HIGH TEMPERATURE HALL LIGHT  
**tempLED RayBase V2**  
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



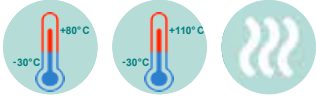
solid luminaire housing for high-temperature surroundings with durable powder coating



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



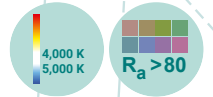
high performance heat sink with chimney effect for high ambient temperatures up to +110° Celsius



initial system efficiency up to 140 lm / w



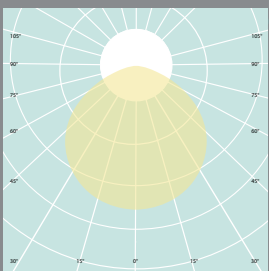
durable and bright LED light field



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



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



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



### tempLED RayBase V2

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

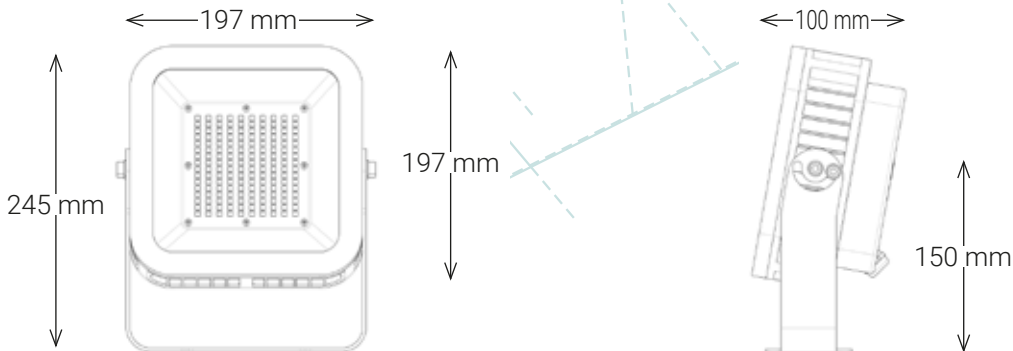


RayBase V2 UHT  
with external power supply



### 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<sup>1</sup>



<sup>1</sup>Adjustment 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 10,800 lumens
luminous flux tolerance:	± 10 percent
initial system efficiency:	up to 140 lumens / watt
initial, most similar color temperature:	4,000 kelvins   5,000 kelvins <sup>1</sup>
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:	220 to 240 volts
power supply AC valid for UHT types:	100 to 240 volts
supply frequency:	50 / 60 hertz
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 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.

### Mounting options:

standard mounting options:	mounting bracket with adjustment range 0 to 360 degrees
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<sup>1</sup> 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 temperature (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 <sup>1</sup>
cover plate material:	impact-resistant toughened safety glass
design of the cover plate:	opaque
luminaire housing color:	white aluminium according to RAL 9006 <sup>1</sup>
power supply housing color:	water blue according to RAL 5021 <sup>1</sup>
surface finish:	powder coating <sup>1</sup>
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 <sup>2</sup>
guarantee valid for UHT types:	3 years <sup>2</sup>
spare part guarantee:	10 years
delivery includes:	luminaire and mounting bracket

<sup>1</sup> optional luminaire housing colors and finishes: Paintings according to RAL colour chart, powder coatings according to RAL colour chart or synthetic resin coating.

<sup>2</sup> according to the warranty conditions of tempLED GmbH, excluding accessories.

**Logistic information:**

luminaire:	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 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 V2 30 - 120 HT	RayBase V2 30 - 120 HT
article number:	871304	871305
GTIN / EAN:	4260745235167	4260745235174
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	DALI
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:	H05RN-F 5G1	H05RN-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 V2 30 - 120 UHT	RayBase V2 30 - 120 UHT
article number:	872304	872305
GTIN / EAN:	4260745235228	4260745235235
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	DALI
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
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 V2 50 - 120 HT	RayBase V2 50 - 120 HT
article number:	871504	871505
GTIN / EAN:	4260745235181	4260745235198
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	DALI
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:	H05RN-F 5G1	H05RN-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 V2 50 - 120 UHT	RayBase V2 50 - 120 UHT
article number:	872504	872505
GTIN / EAN:	4260745235242	4260745235259
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	DALI
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
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



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	RayBase V2 80 - 120 HT	RayBase V2 80 - 120 HT
article number:	871804	871805
GTIN / EAN:	4260745235204	4260745235211
initial luminous flux:	10,800 lm	10,800 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	DALI
system performance:	80 W	80 W
power consumption:	0.35 A	0.35 A
maximum inrush current:	42 A	42 A
ambient temperature:	-30 to +80 °C	-30 to +80 °C
power supply:	internal	internal
supply cable type:	H05RN-F 5G1	H05RN-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

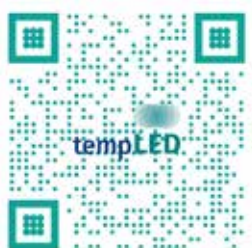
tempLED **80 UHT**

	RayBase V2 80 - 120 UHT	RayBase V2 80 - 120 UHT
article number:	872804	872805
GTIN / EAN:	4260745235266	4260745235273
initial luminous flux:	10,800 lm	10,800 lm
initial system efficiency:	135 lm/w	135 lm/w
initial, most similar color temperature:	4,000 K	5,000 K
light distribution:	symmetrical	symmetrical
beam angle:	120 degrees	120 degrees
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
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
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

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tempLED	Accessory catalogue RayBase V2 HT/UHT	art.-no.	GTIN / EAN
	<b>mounting bracket</b> stainless steel adjustment range: 0 to 360 degrees, material: stainless steel V2A, finish: nature	933777	4260491849908
	<b>supply cable extension</b> suitable for all tempLED RayBase V2 HT ready-to-use 5-pin supply cable extension up to 10 meters	933566	4260745235570
	<b>supply cable extension</b> suitable for all tempLED RayBase V2 UHT ready-to-use 3-pin supply cable extension up to 10 meters	333903	4260491843760
	<b>control cable extension</b> suitable for all tempLED RayBase V2 UHT ready-to-use 2-pin control cable extension up to 10 meters	333904	4260491843777
	<b>luminaire cable extension</b> suitable for all tempLED RayBase V2 UHT ready-to-use 2-pin SiHF supply cable extension between luminaire and external power supply up to 10 meters	934220	4260669198937
	<b>clear cover plate</b> cover plate made of toughened safety glass (ESG), thickness: 5 mm, impact resistant to IK08 standard, finish: clear, initial system efficiency of luminaires with clear cover plate: 140 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?