www.templed.de

tempLED

HIGH-TEMPERATURE HALL LIGHTS

tempLED RayBeam V2 HT

100 | 150 | 200 | 240

HALL LIGHTS

HIGH TEMPERATURE

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)

Power Factor Correction

DALI

CLO optional

pressure compensation membrane to prevent condensation

powerful, dust-permeable heat sink made of die-cast aluminum

durable and bright LED light field

4,000 K
5,000 K

R_a >80

high-performance optical system with 3 practical beam angles

60°

90°

120°

impact-resistant cover plate made of 5 mm toughened safety glass

IK08

solid luminaire housing optimized for high-temperature surroundings up to +80° Celsius

-40°C

+80°C

IP 66

Applications:

industrial plants

warehouses

cold-store areas

assembly lines

logistics center

high-temperature surroundings

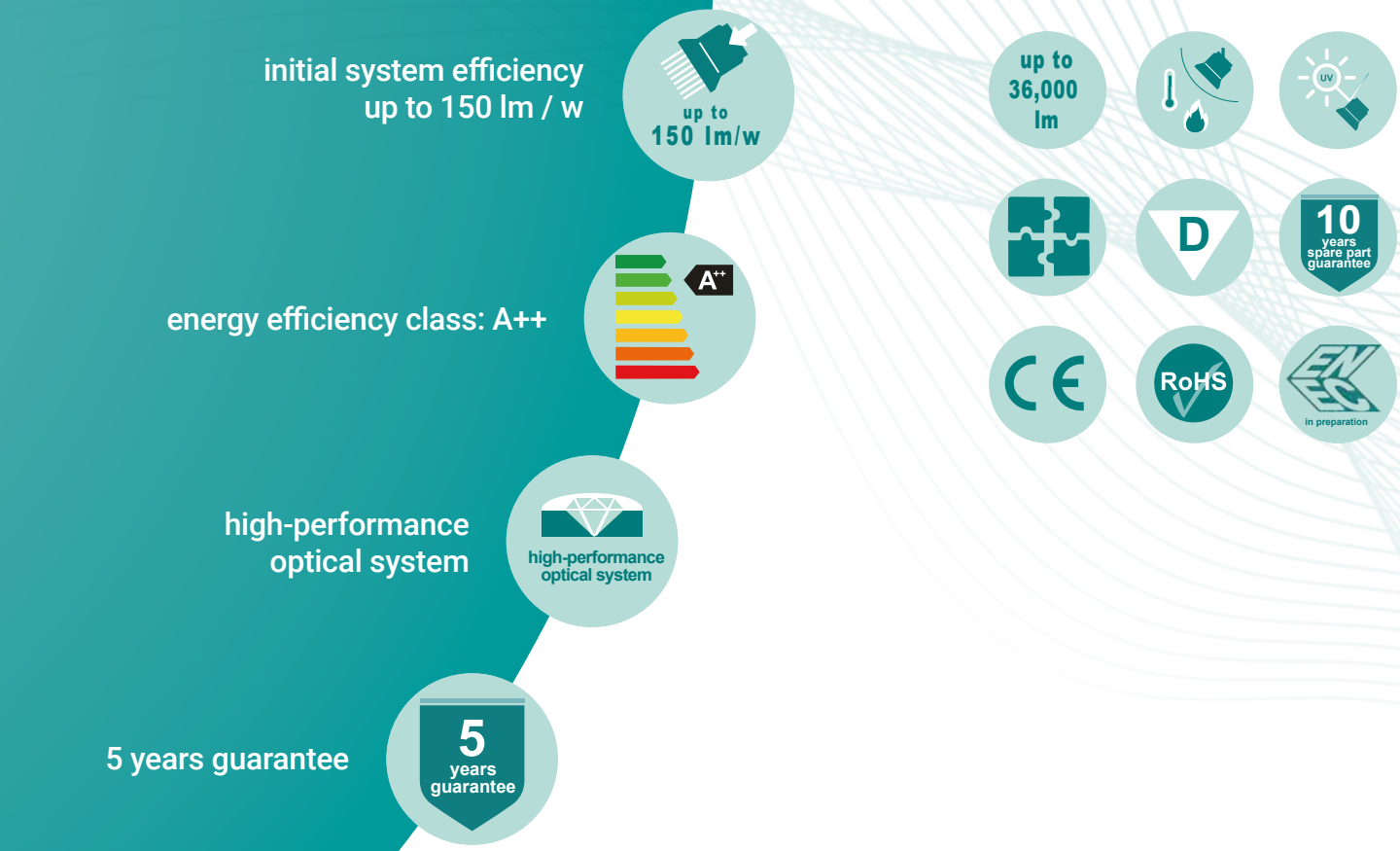
Changes and errors excepted; similar pictures.

initial system efficiency
up to 150 lm / w

energy efficiency class: A++

high-performance
optical system

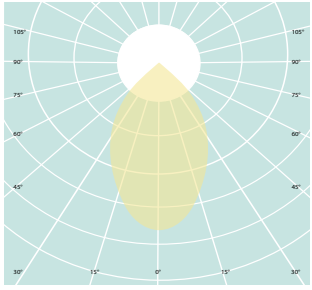
5 years guarantee



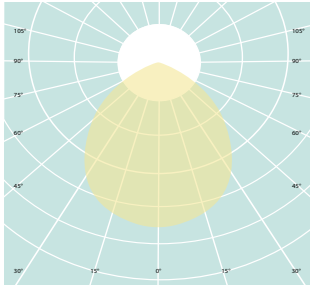
»State-of-the-art hall lighting for a bright future«

Light distribution curves tempLED RayBeam V2 HT

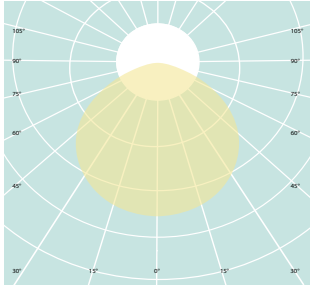
100 | 150 | 200 | 240



60 degrees symmetrical



90 degrees symmetrical



120 degrees symmetrical

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

Lighting properties

initial luminous flux:	approx. 14,000 to 36,000 lumens	luminous flux tolerance:	± 10 percent
initial system efficiency:	up to 150 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):	1 percent

[1] additional color temperatures on request

Electrotechnical properties

power supply (AC):	90 to 240 volts[2]	supply frequency:	50 / 60 hertz
power supply (DC):	127 to 250 volts[3]	power factor:	> 0.93
system performance:	100 to 240 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:	+89 degrees Celsius
energy efficiency class:	A++		

[2] power supply: 249 to 528 VAC - 50 / 60 hertz on request. [3] power supply: 352 to 500 VDC on request

Control and dimming properties

dimming:	DALI	minimum dimming level:	10 percent
control:	Casambi and Nedap optional	constant lumen output (CLO):	optional
human centric lighting (HCL):	on request	emergency power supply:	on request

Housing properties

ambient temperature:	–40 to +80 degrees Celsius	ingress protection:	IP 66
impact resistance level:	IK08	electrical protection class:	I
housing material:	die-cast aluminum	material of optical system:	impact resistant polycarbonate
cover plate material:	5 mm toughened safety glass		
limited surface temperature (D):	yes	pressure compensation membrane:	yes
housing color:	gray aluminum (RAL9007)	optional housing color:	painting acc. to RAL color chart
supply connection type:	open cable end	supply cable type:	H05RN-F 5G1
supply cable length:	250 centimeters	number of poles:	3 grid / 2 DALI

Additional informationen

certificates:	ENEC in preparation	conformities:	CE and RoHS
lifespan (L70B10C1):	approx. 100,000 hours	lifespan (L90B10C1):	approx. 50,000 hours
guarantee:	5 years[4]	spare parts guarantee:	10 years
delievery includes:	luminaire, ceiling mounting bracket, mounting eyelet for pendulum suspension and fall protection		

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

Logistic informationen

	RayBeam V2 100 | 150 | 200 | 240 HT
number of luminaires per package:	1
number of luminaires per pallet:	28
net weight of luminaire:	9,500 g
gross weight per package:	11,500 g
package dimensions L x W x H:	510 x 510 x 270 mm

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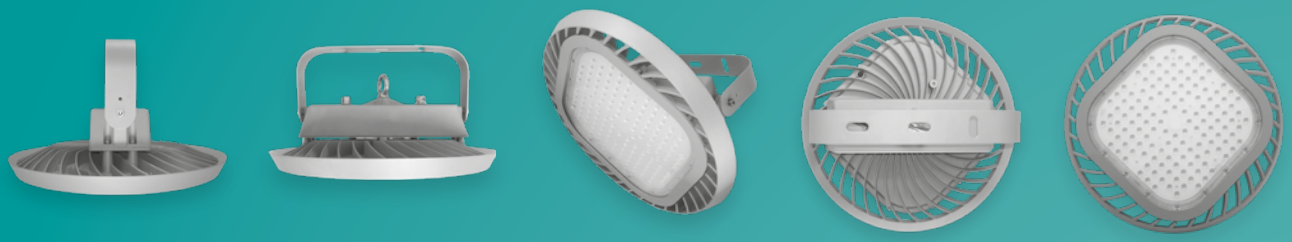

Dimensions tempLED RayBeam V2 HT
100 | 150 | 200 | 240

Mounting options tempLED RayBeam V2 HT
100 | 150 | 200 | 240

bracket mounting

suspension mounting

tempLED 100

	RayBeam V2 100 - 60 HT	RayBeam V2 100 - 90 HT	RayBeam V2 100 - 120 HT
article number:	341164	341194	341124
GTIN / EAN:	4260669198319	4260669198326	4260669198302
initial luminious flux:	approx. 14,000 lm	approx. 14,000 lm	approx. 15,000 lm
initial system efficiency:	approx. 140 lm / W	approx. 140 lm / W	approx. 150 lm / W
initial, most similar color temp.:	4,000 K	4,000 K	4,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	60°	90°	120°
dimming / control:	DALI	DALI	DALI
system performance:	100 W	100 W	100 W
power consumption:	0.45 A	0.45 A	0.45 A
maximum inrush current:	24 A	24 A	24 A
dimensions Ø x H:	450 x 240 mm	450 x 240 mm	450 x 240 mm
weight:	9,500 g	9,500 g	9,500 g

tempLED 100

	RayBeam V2 100 - 60 HT	RayBeam V2 100 - 90 HT	RayBeam V2 100 - 120 HT
article number:	341165	341195	341125
GTIN / EAN:	4260669190009	4260669190016	4260669190023
initial luminious flux:	approx. 14,000 lm	approx. 14,000 lm	approx. 15,000 lm
initial system efficiency:	approx. 140 lm / W	approx. 140 lm / W	approx. 150 lm / W
initial, most similar color temp.:	5,000 K	5,000 K	5,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	60°	90°	120°
dimming / control:	DALI	DALI	DALI
system performance:	100 W	100 W	100 W
power consumption:	0.45 A	0.45 A	0.45 A
maximum inrush current:	24 A	24 A	24 A
dimensions Ø x H:	450 x 240 mm	450 x 240 mm	450 x 240 mm
weight:	9,500 g	9,500 g	9,500 g

tempLED 150

	RayBeam V2 150 - 60 HT	RayBeam V2 150 - 90 HT	RayBeam V2 150 - 120 HT
article number:	341264	341294	341224
GTIN / EAN:	4260669198340	4260669198357	4260669198333
initial luminious flux:	approx. 21,000 lm	approx. 21,000 lm	approx. 22,500 lm
initial system efficiency:	approx. 140 lm / W	approx. 140 lm / W	approx. 150 lm / W
initial, most similar color temp.:	4,000 K	4,000 K	4,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	60°	90°	120°
dimming / control:	DALI	DALI	DALI
system performance:	150 W	150 W	150 W
power consumption:	0.70 A	0.70 A	0.70 A
maximum inrush current:	24 A	24 A	24 A
dimensions Ø x H:	450 x 240 mm	450 x 240 mm	450 x 240 mm
weight:	9,500 g	9,500 g	9,500 g

tempLED 150

	RayBeam V2 150 - 60 HT	RayBeam V2 150 - 90 HT	RayBeam V2 150 - 120 HT
article number:	341265	341295	341225
GTIN / EAN:	4260669190030	4260669190047	4260669190054
initial luminious flux:	approx. 21,000 lm	approx. 21,000 lm	approx. 22,500 lm
initial system efficiency:	approx. 140 lm / W	approx. 140 lm / W	approx. 150 lm / W
initial, most similar color temp.:	5,000 K	5,000 K	5,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	60°	90°	120°
dimming / control:	DALI	DALI	DALI
system performance:	150 W	150 W	150 W
power consumption:	0.70 A	0.70 A	0.70 A
maximum inrush current:	24 A	24 A	24 A
dimensions Ø x H:	450 x 240 mm	450 x 240 mm	450 x 240 mm
weight:	9,500 g	9,500 g	9,500 g

tempLED 200

	RayBeam V2 200 - 60 HT	RayBeam V2 200 - 90 HT	RayBeam V2 200 - 120 HT
article number:	341364	341394	341324
GTIN / EAN:	4260669198371	4260669198388	4260669198364
initial luminious flux:	approx. 28,000 lm	approx. 28,000 lm	approx. 30,000 lm
initial system efficiency:	approx. 140 lm / W	approx. 140 lm / W	approx. 150 lm / W
initial, most similar color temp.:	4,000 K	4,000 K	4,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	60°	90°	120°
dimming / control:	DALI	DALI	DALI
system performance:	200 W	200 W	200 W
power consumption:	0.90 A	0.90 A	0.90 A
maximum inrush current:	24 A	24 A	24 A
dimensions Ø x H:	450 x 240 mm	450 x 240 mm	450 x 240 mm
weight:	9,500 g	9,500 g	9,500 g

tempLED 200

	RayBeam V2 200 - 60 HT	RayBeam V2 200 - 90 HT	RayBeam V2 200 - 120 HT
article number:	341365	341395	341325
GTIN / EAN:	4260669190061	4260669190078	4260669190085
initial luminious flux:	approx. 28,000 lm	approx. 28,000 lm	approx. 30,000 lm
initial system efficiency:	approx. 140 lm / W	approx. 140 lm / W	approx. 150 lm / W
initial, most similar color temp.:	5,000 K	5,000 K	5,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	60°	90°	120°
dimming / control:	DALI	DALI	DALI
system performance:	200 W	200 W	200 W
power consumption:	0.90 A	0.90 A	0.90 A
maximum inrush current:	24 A	24 A	24 A
dimensions Ø x H:	450 x 240 mm	450 x 240 mm	450 x 240 mm
weight:	9,500 g	9,500 g	9,500 g

tempLED 240	RayBeam V2 240 - 60 HT	RayBeam V2 240 - 90 HT	RayBeam V2 240 - 120 HT
article number:	341464	341494	341424
GTIN / EAN:	4260669198395	4260669198401	4260491843531
initial luminious flux:	approx. 33,600 lm	approx. 33,600 lm	approx. 36,000 lm
initial system efficiency:	approx. 140 lm / W	approx. 140 lm / W	approx. 150 lm / W
initial, most similar color temp.:	4,000 K	4,000 K	4,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	60°	90°	120°
dimming / control:	DALI	DALI	DALI
system performance:	240 W	240 W	240 W
power consumption:	1.04 A	1.04 A	1.04 A
maximum inrush current:	24 A	24 A	24 A
dimensions Ø x H:	450 x 240 mm	450 x 240 mm	450 x 240 mm
weight:	9,500 g	9,500 g	9,500 g

tempLED 240	RayBeam V2 240 - 60 HT	RayBeam V2 240 - 90 HT	RayBeam V2 240 - 120 HT
article number:	341465	341495	341425
GTIN / EAN:	4260669190092	4260669190108	4260669190115
initial luminious flux:	approx. 33,600 lm	approx. 33,600 lm	approx. 36,000 lm
initial system efficiency:	approx. 140 lm / W	approx. 140 lm / W	approx. 150 lm / W
initial, most similar color temp.:	5,000 K	5,000 K	5,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	60°	90°	120°
dimming / control:	DALI	DALI	DALI
system performance:	240 W	240 W	240 W
power consumption:	1.04 A	1.04 A	1.04 A
maximum inrush current:	24 A	24 A	24 A
dimensions Ø x H:	450 x 240 mm	450 x 240 mm	450 x 240 mm
weight:	9,500 g	9,500 g	9,500 g

ACCESSORIES

		EAN / GTIN	art. no.
	wall bracket mounting bracket for wall mounting, adjustment range of the luminaire: 0 - 90 degrees finish: stainless steel	4260669194311	934039
	crane mounting kit stainless steel holding device for mounting luminaires on cranes, shock-absorbing with rubber buffers, delivered as a set of 2	4260491842114	932810
	lock for ball protection adjustable and lockable mounting bracket for ball protection delivered as a set of 2	4260491842350	935540
	safety plug 3-pin safety plug with ingress protection IP 44 installed on the supply cable of the luminaire	4260491842251	945400
	supply cable extension ready-to-use 5-pin supply cable extension up to 10 meters	4260491849687	933499
	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	4260491842329	945430
	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	4260491842336	945431
	polycarbonate (PC) cover plate impact-resistant cover plate made of 5 mm polycarbonate (PC)	4260491843753	333902
CASAMBI	**Casambi control unit** for integrating and controlling the luminaire via the Casambi network; mounted on the luminaire ready for use	4260669198203	934187
nedap	**Nedap control unit** for integrating and controlling the luminaire via the Nedap network; mounted on the luminaire ready for use	4260669198210	934188

data sheets

lighting design files

installation instructions

simply download at
www.templed.de/downloads/