

[www.tempLED.de](http://www.tempLED.de)

  
**tempLED**

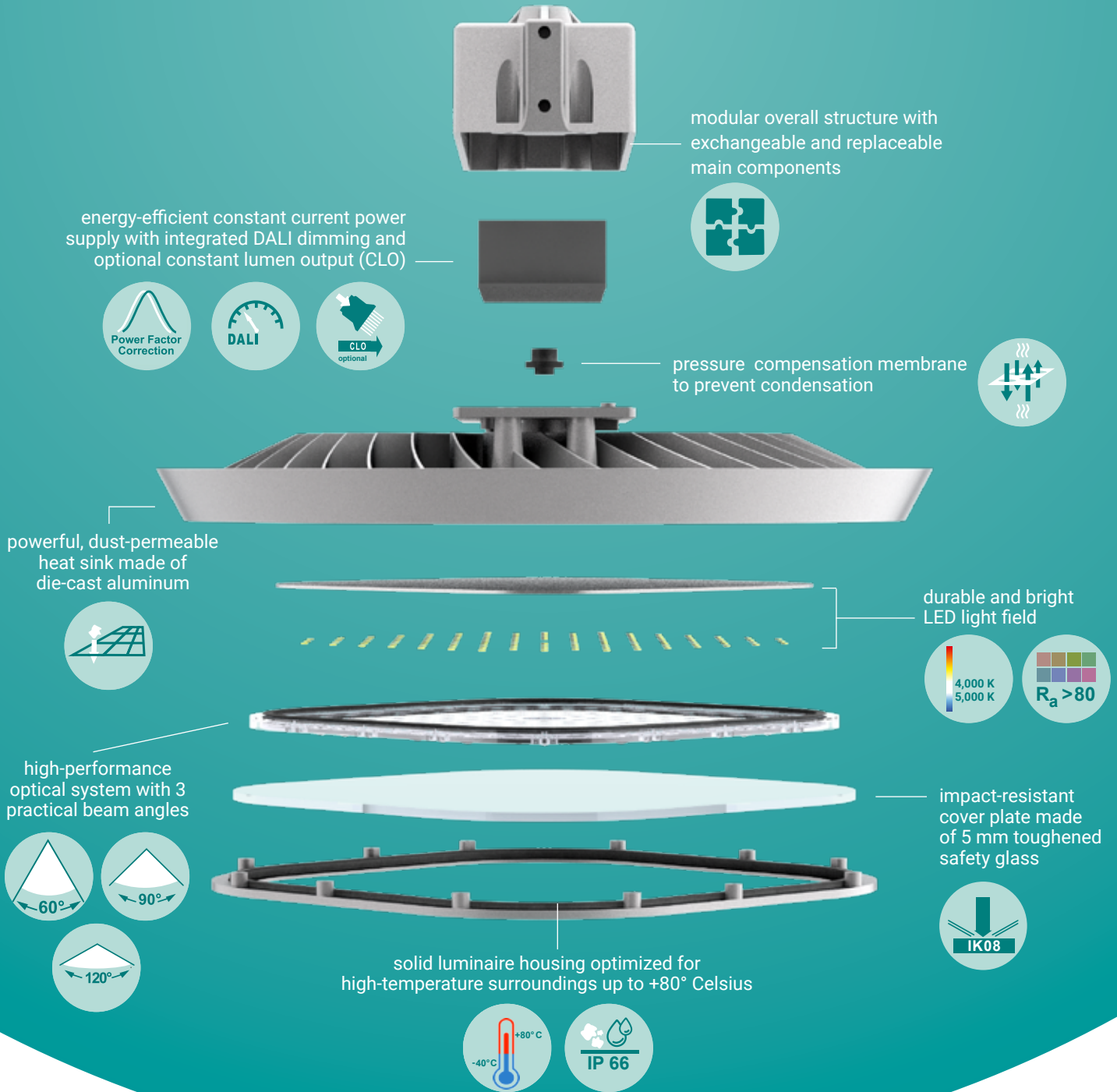


HIGH-TEMPERATURE HALL LIGHTS

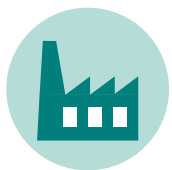
# tempLED RayBeam V2 HT

100 | 150 | 200 | 240

HALL LIGHTS   
HIGH TEMPERATURE 



**Applications:**



industrial plants



warehouses



cold-store areas



assembly lines

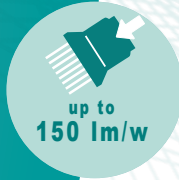


logistics center

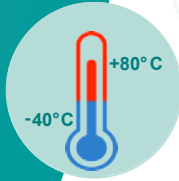


high-temperature surroundings

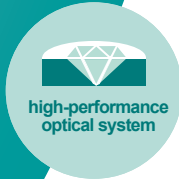
initial system efficiency  
up to 150 lm / w



for high-temperature  
surroundings



high-performance  
optical system

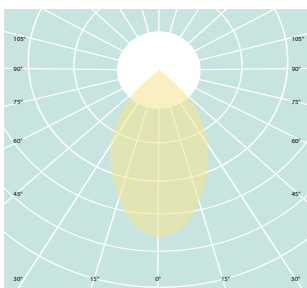


5 years guarantee

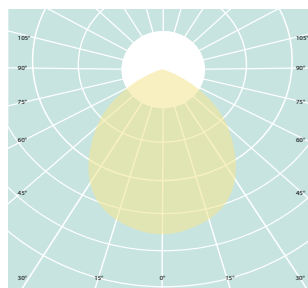


# »State-of-the-art hall lighting for a bright future«

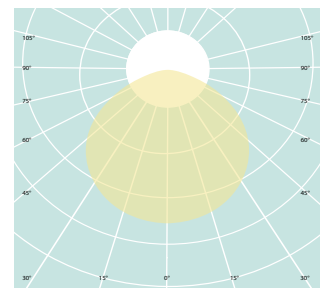
Light distribution curves tempLED RayBeam V2 HT  
100 | 150 | 200 | 240



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 <sup>1</sup>	initial color consistency:	< 5 SDCM
initial color rendering index (CRI):	R <sub>a</sub> > 80	compact flicker degree (CFD):	1 percent

<sup>1</sup> additional color temperatures on request

### Electrotechnical properties

power supply (AC):	90 to 240 volts <sup>2</sup>	supply frequency:	50 / 60 hertz
power supply (DC):	127 to 250 volts <sup>3</sup>	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 <sub>c</sub> temperature:	+89 degrees Celsius

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

### Control and dimming properties

dimming:	DALI	minimum dimming level:	10 percent
control:	Casambi and Nedap optional <sup>4</sup>	constant lumen output (CLO):	optional
human centric lighting (HCL):	on request	emergency light module:	optional <sup>4</sup>

<sup>4</sup> can only be used at ambient temperatures of max. +50 degrees Celsius

### 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:	white aluminum (RAL9006)	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 <sup>5</sup>	spare parts guarantee:	10 years
delivery includes:	luminaire, ceiling mounting bracket, mounting eyelet for pendulum suspension and fall protection		

<sup>5</sup> 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

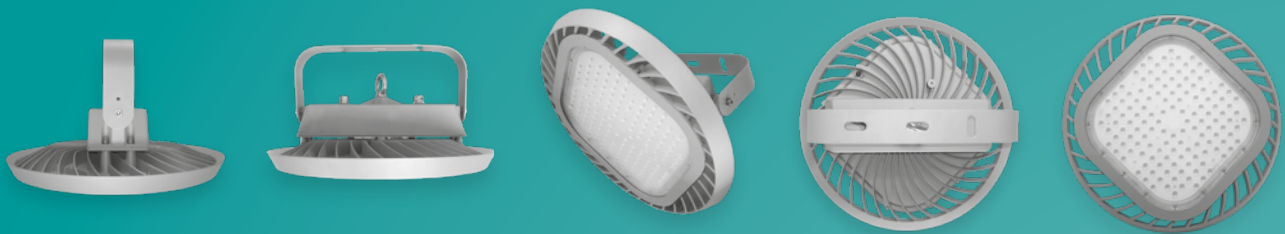
### Energy characteristics

Valid for all tempLED RayBeam V2 HT with beam angle 60 and 90 degrees:	This product contains a light source of energy efficiency class D.
Valid for all tempLED RayBeam V2 HT with beam angle 120 degrees:	This product contains a light source of energy efficiency class C.



## tempLED RayBeam V2 HT

100 | 150 | 200 | 240

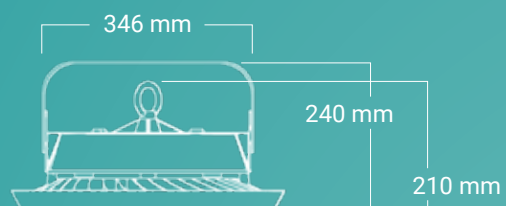


## Dimensions tempLED RayBeam V2 HT

100 | 150 | 200 | 240



— Ø 450 mm



## Mounting options tempLED RayBeam V2 HT

100 | 150 | 200 | 240

bracket mounting<sup>1,2</sup>



suspension mounting



<sup>1</sup> Adjustment range for ceiling mounting with included ceiling mounting bracket: -45 to +45 degrees.

<sup>2</sup> Adjustment range for wall mounting with optional wall mounting bracket 934039: 0 to 90 degrees.

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 luminous 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
stock item:		no	no	no

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 luminous 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
stock item:		no	no	no

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 luminous 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
stock item:		no	no	no

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 luminous 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
stock item:		no	no	no

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 luminous 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
stock item:		yes	no	no

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 luminous 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
stock item:		yes	yes	yes

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 luminous 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
stock item:		no	no	no

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 luminous 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
stock item:		yes	yes	no



## ACCESSORIES

		EAN / GTIN	art. no.
	<b>wall bracket</b> mounting bracket for wall mounting, adjustment range of the luminaire: 0 - 90 degrees finish: stainless steel	4260669194311	934039
	<b>crane mounting kit</b> stainless steel holding device for mounting luminaires on cranes, shock-absorbing with rubber buffers, delivered as a set of 2	4260491842114	932810
	<b>lock for ball protection</b> adjustable and lockable mounting bracket for ball protection delivered as a set of 2	4260491842350	935540
	<b>safety plug</b> 3-pin safety plug with ingress protection IP 44 installed on the supply cable of the luminaire	4260491842251	945400
	<b>supply cable extension</b> ready-to-use 5-pin supply cable extension up to 10 meters	4260491849687	933499
	<b>Wieland connector RST 20i5</b> 5-pin socket part; color coding: turquoise blue, 250 V, 20 A, with protective conductor, for cable diameter 6 - 10 mm	4260491842329	945430
	<b>Wieland connector RST 20i5</b> 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
	<b>polycarbonate (PC) cover plate</b> impact-resistant cover plate made of 5 mm polycarbonate (PC)	4260491843753	333902
	<b>Casambi control unit</b> for integrating and controlling the luminaire via the Casambi network, can only be used at am- bient temperatures of max. +50 degrees Celsius, mounted on the luminaire ready for use	4260669198203	934187
	<b>Nedap control unit</b> for integrating and controlling the luminaire via the Nedap network, can only be used at ambient temperatures of max. +50 degrees Celsius, mounted on the luminaire ready for use	4260669198210	934188
	<b>emergency light module</b> 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 mounted on the luminaire ready for use	4260745230193	932275



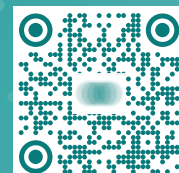
data sheets



lighting design files



installation instructions



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