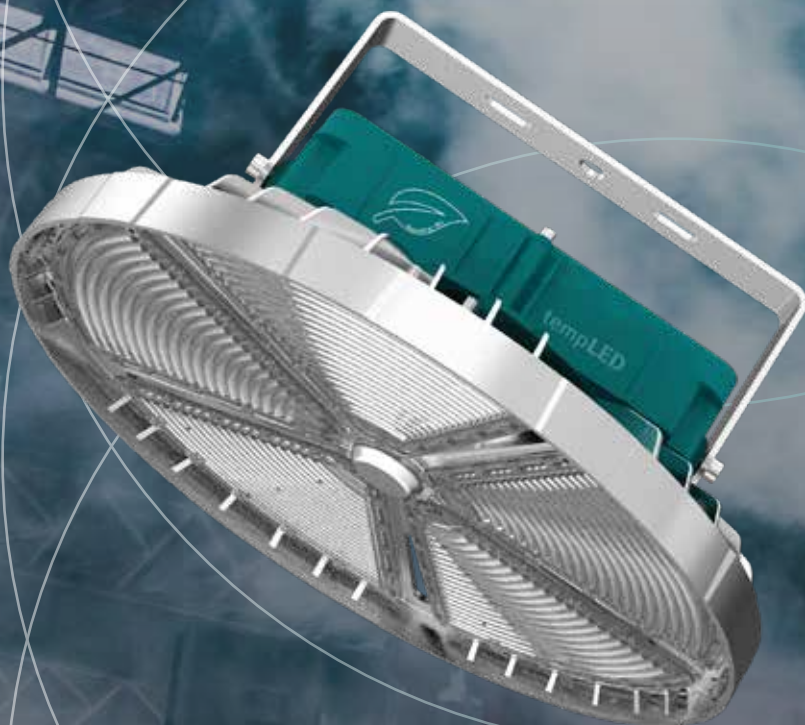


www.tempLED.de


tempLED



HIGH TEMPERATURE HALL LIGHT
tempLED RayBeam Hi V2 HT

400 | 500 | 600

HALL LIGHTS 
HIGH TEMPERATURES 

Our customer
Elbe-Stahlwerke Feralpi

tempLED

initial system efficiency up to 165 lm / w



modular overall structure with exchangeable and replaceable main components



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



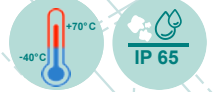
pressure compensation membrane to prevent condensation



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



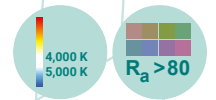
solid luminaire housing optimized for high-temperature surroundings up to +70° Celsius



optional control and safety systems:



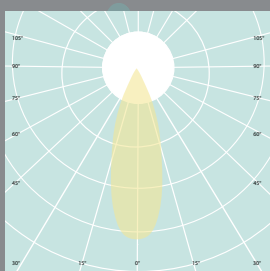
five durable and bright LED light fields



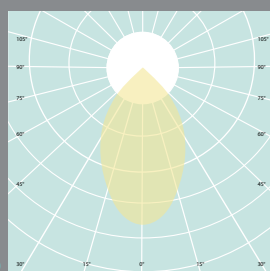
impact and UV-resistant high-performance optical system in linear technology for stray light reduction with three practical beam angles



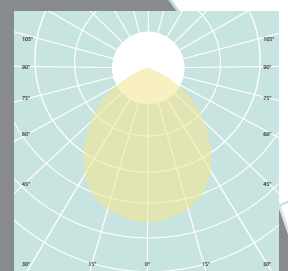
Light distribution curves tempLED RayBeam Hi V2 HT 400 | 500 | 600



30 degrees symmetrical linear technology



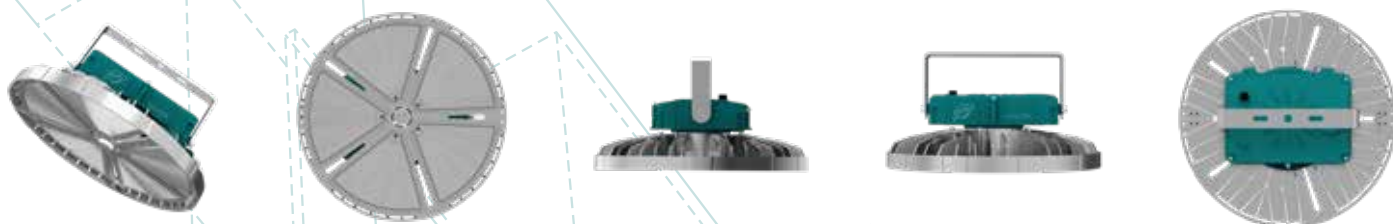
60 degrees symmetrical linear technology



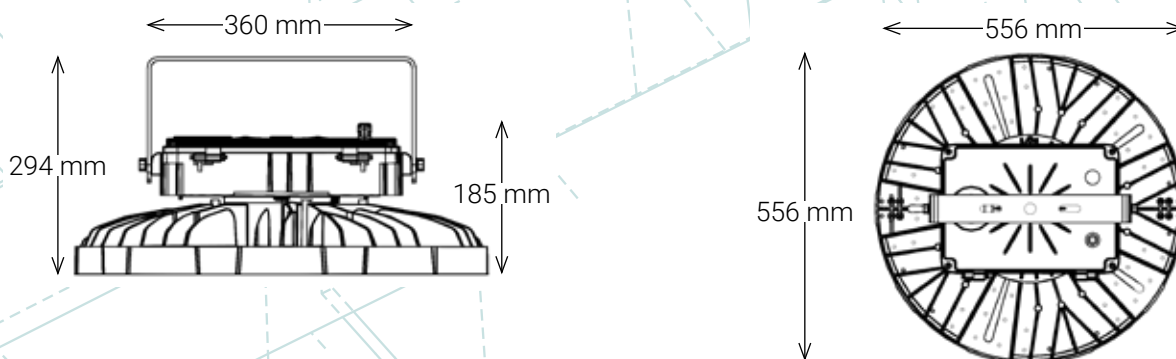
90 degrees symmetrical linear technology



tempLED RayBeam Hi V2 HT
400 | 500 | 600



Dimensions tempLED RayBeam Hi V2 HT
400 | 500 | 600



Mounting options tempLED RayBeam Hi V2 HT
400 | 500 | 600

bracket mounting^{1,2}



¹Adjustment range for surface mounting with standard ceiling bracket: -45 to +45 degrees.

²Adjustment range for surface mounting with optional wall bracket (934040): 0 to 90 degrees.

General technical data

according to IEC, identical for all types of luminaires



Lighting properties:

initial luminous flux:	66,000 to 99,000 lumens
luminous flux tolerance:	± 10 percent
initial system efficiency:	up to 165 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:	30 60 90 degrees
photobiological safety:	IEC/TR 62778: 1
compact flicker degree (CFD):	1 percent
stray light reduction:	yes, with linear technology

Electrotechnical properties:

power supply AC:	90 to 240 volts ²
supply frequency:	50 / 60 hertz
power supply DC:	140 to 250 volts ³
system performance:	400 to 600 watts
system performance tolerance:	± 10 percent
integrated power supplies:	two
power factor:	> 0.90
overvoltage protection:	yes
overheating protection:	yes
temperature monitoring:	yes
total harmonic distortion (THD):	< 20 percent
temperature classification (ATEX):	T5
Tc - temperature:	+89 degrees Celsius

Energy characteristics:

Valid for all tempLED RayBeam Hi V2 HT:	This product contains a light source of energy efficiency class C.
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Mounting options:

standard mounting options:	ceiling bracket with adjustment range -45 to +45 degrees
optional mounting options:	wall bracket with adjustment range 0 to 90 degrees (934040)

¹ additional color temperatures on request.

² power supply 249 to 528 VAC - 50/60 Hz on request.

³ power supply 352 to 500 VDC on request.

Control and safety properties:

dimming:	DALI-2
minimum dimming level:	10 percent
constant lumen output (CLO):	optional
emergency light module:	optional ¹
human centric lighting:	on request

Housing properties:

ambient temperature:	-40 to +70 degrees Celsius
ingress protection:	IP 65
impact resistance level:	IK08
electrical protection class:	I
limited surface temperature (D):	yes
pressure compensation membrane:	yes
housing and heat sink material(s):	die-cast aluminum
material(s) and finish of the standard ceiling bracket:	stainless steel, powder-coated in white aluminium according to RAL 9006 ²
material of optical system:	impact- and UV-resistant polycarbonate
luminaire housing color:	white aluminium according to RAL 9006 ²
power supply housing color:	water blue according to RAL 5021 ²
surface finish:	powder coating ²
supply cable type:	H05SS-F 5G1
supply cable length:	250 centimeters
supply cable inlet:	plug connector
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 70 degrees Celsius:	approx. 100,000 hours
lifespan (L90B10C1) @ Ta 25 degrees Celsius:	approx. 50,000 hours
guarantee:	5 years ³
spare part guarantee:	10 years
delivery includes:	luminaire, ceiling bracket and fall protection

¹ can only be used at ambient temperatures from +5 to +50 degrees Celsius.

² optional luminaire housing colors and finishes: Paintings according to RAL colour chart, powder coatings according to RAL colour chart or synthetic resin coating.

³ according to the warranty conditions of tempLED GmbH, excluding accessories.

Logistic information:

luminaire:	RayBeam Hi V2 400 HT	RayBeam Hi V2 500 HT	RayBeam Hi V2 600 HT
number of luminaires per package:	1	1	1
number of luminaires per pallet:	8	8	8
net weight of the luminaire:	17,400 g	18,700 g	19,700 g
gross weight per package:	20,200 g	21,500 g	22,500 g
package dimensions L x W x H:	750 x 700 x 330 mm	750 x 700 x 330 mm	750 x 700 x 330 mm

tempLED 400

	RayBeam Hi V2 400 - 30 HT	RayBeam Hi V2 400 - 60 HT	RayBeam Hi V2 400 - 90 HT
article number:	336434	336464	336494
GTIN / EAN:	4260745230766	4260745230780	4260745230803
initial luminous flux:	66,000 lm	66,000 lm	66,000 lm
initial system efficiency:	165 lm/w	165 lm/w	165 lm/w
initial, most similar color temperature:	4,000 K	4,000 K	4,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	30 degrees	60 degrees	90 degrees
dimming / control:	DALI-2	DALI-2	DALI-2
system performance:	400 W	400 W	400 W
power consumption:	1.74 A	1.74 A	1.74 A
maximum inrush current:	65 A	65 A	65 A
dimensions (Ø x H):	556 x 294 mm	556 x 294 mm	556 x 294 mm

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tempLED 400

	RayBeam Hi V2 400 - 30 HT	RayBeam Hi V2 400 - 60 HT	RayBeam Hi V2 400 - 90 HT
article number:	336435	336465	336495
GTIN / EAN:	4260745230773	4260745230797	4260745230810
initial luminous flux:	66,000 lm	66,000 lm	66,000 lm
initial system efficiency:	165 lm/w	165 lm/w	165 lm/w
initial, most similar color temperature:	5,000 K	5,000 K	5,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	30 degrees	60 degrees	90 degrees
dimming / control:	DALI-2	DALI-2	DALI-2
system performance:	400 W	400 W	400 W
power consumption:	1.74 A	1.74 A	1.74 A
maximum inrush current:	65 A	65 A	65 A
dimensions (Ø x H):	556 x 294 mm	556 x 294 mm	556 x 294 mm

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tempLED 500

	RayBeam Hi V2 500 - 30 HT	RayBeam Hi V2 500 - 60 HT	RayBeam Hi V2 500 - 90 HT
article number:	336534	336564	336594
GTIN / EAN:	4260745230827	4260745230841	4260745230865
initial luminous flux:	82,500 lm	82,500 lm	82,500 lm
initial system efficiency:	165 lm/w	165 lm/w	165 lm/w
initial, most similar color temperature:	4,000 K	4,000 K	4,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	30 degrees	60 degrees	90 degrees
dimming / control:	DALI-2	DALI-2	DALI-2
system performance:	500 W	500 W	500 W
power consumption:	2.17 A	2.17 A	2.17 A
maximum inrush current:	80 A	80 A	80 A
dimensions (Ø x H):	556 x 294 mm	556 x 294 mm	556 x 294 mm

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tempLED 500

	RayBeam Hi V2 500 - 30 HT	RayBeam Hi V2 500 - 60 HT	RayBeam Hi V2 500 - 90 HT
article number:	336535	336565	336595
GTIN / EAN:	4260745230834	4260745230858	4260745230872
initial luminous flux:	82,500 lm	82,500 lm	82,500 lm
initial system efficiency:	165 lm/w	165 lm/w	165 lm/w
initial, most similar color temperature:	5,000 K	5,000 K	5,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	30 degrees	60 degrees	90 degrees
dimming / control:	DALI-2	DALI-2	DALI-2
system performance:	500 W	500 W	500 W
power consumption:	2.17 A	2.17 A	2.17 A
maximum inrush current:	80 A	80 A	80 A
dimensions (Ø x H):	556 x 294 mm	556 x 294 mm	556 x 294 mm

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tempLED 600







	RayBeam Hi V2 600 - 30 HT	RayBeam Hi V2 600 - 60 HT	RayBeam Hi V2 600 - 90 HT
article number:	336634	336664	336694
GTIN / EAN:	4260745230889	4260745230902	4260745230926
initial luminous flux:	99,000 lm	99,000 lm	99,000 lm
initial system efficiency:	165 lm/w	165 lm/w	165 lm/w
initial, most similar color temperature:	4,000 K	4,000 K	4,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	30 degrees	60 degrees	90 degrees
dimming / control:	DALI-2	DALI-2	DALI-2
system performance:	600 W	600 W	600 W
power consumption:	2.51 A	2.51 A	2.51 A
maximum inrush current:	96 A	96 A	96 A
dimensions (Ø x H):	556 x 294 mm	556 x 294 mm	556 x 294 mm

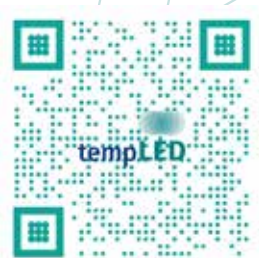
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tempLED 600

	RayBeam Hi V2 600 - 30 HT	RayBeam Hi V2 600 - 60 HT	RayBeam Hi V2 600 - 90 HT
article number:	336635	336665	336695
GTIN / EAN:	4260745230896	4260745230919	4260745230933
initial luminous flux:	99,000 lm	99,000 lm	99,000 lm
initial system efficiency:	165 lm/w	165 lm/w	165 lm/w
initial, most similar color temperature:	5,000 K	5,000 K	5,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	30 degrees	60 degrees	90 degrees
dimming / control:	DALI-2	DALI-2	DALI-2
system performance:	600 W	600 W	600 W
power consumption:	2.51 A	2.51 A	2.51 A
maximum inrush current:	96 A	96 A	96 A
dimensions (Ø x H):	556 x 294 mm	556 x 294 mm	556 x 294 mm

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tempLED	Accessory catalogue RayBeam Hi V2 HT	art.-no.	GTIN / EAN
	wall bracket surface bracket for wall mounting, adjustment range of the luminaire: 0 to 90 degrees, material: stainless steel, finish: natural	934040	4260669194328
	safety plug 3-pin safety plug with ingress protection IP 44, installed on the supply cable of the luminaire	945400	4260491842251
	supply cable extension ready-to-use 5-pin supply cable extension up to 10 meters	933566	4260745235570
	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	945430	4260491842329
	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	945431	4260491842336
	emergency light module 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 from +5 to +50 degrees Celsius, mounted on the luminaire ready for use	336900	4260745237284



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?