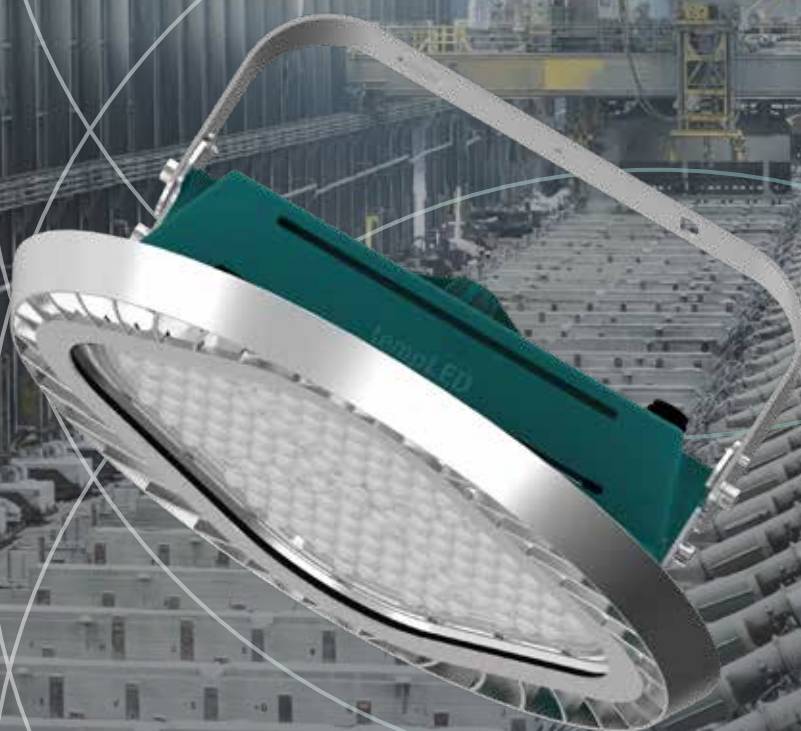


www.tempLED.de


tempLED



HIGH TEMPERATURE HALL LIGHT
tempLED RayBeam Pro HT

100 | 150 | 200 | 240

Our customer
Trimet

HALL LIGHTS 
HIGH TEMPERATURES 

tempLED

initial system efficiency
up to 150 lm / w



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



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



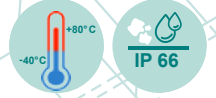
modular overall structure
with exchangeable and repla-
ceable main components



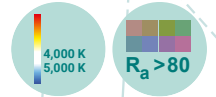
pressure compensation mem-
brane to prevent condensation



solid luminaire housing opti-
mized for high-temperature sur-
roundings up to **+80° Celsius**



durable and bright
LED light field



impact and UV-resistant high-
performance optical system
with three practical beam angles



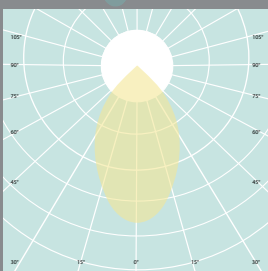
impact-resistant cover
plate made of 5 mm
toughened safety glass



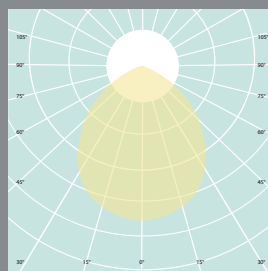
optional control
and safety systems:



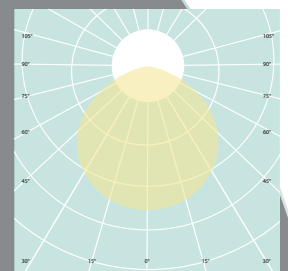
Light distribution curves tempLED RayBeam Pro HT 100 | 150 | 200 | 240



60 degrees symmetrical
optical system



90 degrees symmetrical
optical system



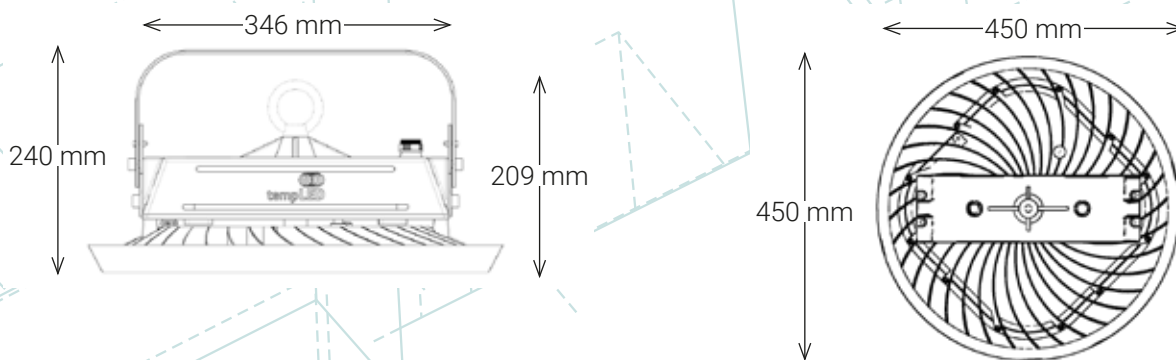
120 degrees symmetrical
optical system



tempLED RayBeam Pro HT
100 | 150 | 200 | 240



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



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

bracket mounting^{1,2}



pendant mounting



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

² Adjustment range for surface mounting with optional wall bracket (934039): 0 to 90 degrees.

General technical data

according to IEC, identical for all types of luminaires



Lighting properties:

initial luminous flux:	14,000 to 36,000 lumens
luminous flux tolerance:	± 10 percent
initial system efficiency:	up to 150 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:	60 90 120 degrees
photobiological safety:	IEC/TR 62778: 1
compact flicker degree (CFD):	1 percent

Electrotechnical properties:

power supply AC:	90 to 240 volts ²
supply frequency:	50 / 60 hertz
power supply DC:	127 to 250 volts ³
system performance:	100 to 240 watts
system performance tolerance:	± 10 percent
power factor:	> 0.93
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 Pro HT with beam angle 60 and 90 degrees: This product contains a light source of energy efficiency class D.

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

Mounting options:

standard mounting options:	ceiling bracket with adjustment range -45 to +45 degrees pendant mounting with mounting eyelet
optional mounting options:	wall bracket with adjustment range 0 to 90 degrees (934039)

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
control via the Casambi network:	optional ¹
emergency light module:	optional ²
human centric lighting:	on request
daylight control system:	optional via the Casambi network ¹

Housing properties:

ambient temperature:	-40 to +80 degrees Celsius
ingress protection:	IP 66
impact resistance level:	IK08
electrical protection class:	I
limited surface temperatur (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 ³
material of optical system:	impact- and UV-resistant polycarbonate
cover plate material:	5 mm impact-resistant toughened safety glass, clear
luminaire housing color:	white aluminium according to RAL 9006 ³
power supply housing color:	water blue according to RAL 5021 ³
surface finish:	powder coating ³
supply cable type:	H05RN-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 80 degrees Celsius:	approx. 80,000 hours
lifespan (L90B10C1) @ Ta 25 degrees Celsius:	approx. 50,000 hours
guarantee:	5 years ⁴
spare part guarantee:	10 years
delievery includes:	luminaire, ceiling bracket, mounting eyelet and fall protection

¹ can only be used at ambient temperatures of max. +50 degrees Celsius.

² can only be used at ambient temperatures from +5 to +50 degrees Celsius.

³ optional luminaire housing colors and finishes: Paintings according to RAL colour chart, powder coatings according to RAL colour chart or synthetic resin coating.

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

Logistic information:

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

tempLED 100

	RayBeam Pro 100 - 60 HT	RayBeam Pro 100 - 90 HT	RayBeam Pro 100 - 120 HT
article number:	341164	341194	341124
GTIN / EAN:	4260669198319	4260669198326	4260669198302
initial luminous flux:	14,000 lm	14,000 lm	15,000 lm
initial system efficiency:	140 lm/w	140 lm/w	150 lm/w
initial, most similar color temperature:	4,000 K	4,000 K	4,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	60 degrees	90 degrees	120 degrees
dimming / control:	DALI-2	DALI-2	DALI-2
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

tempLED 100

	RayBeam Pro 100 - 60 HT	RayBeam Pro 100 - 90 HT	RayBeam Pro 100 - 120 HT
article number:	341165	341195	341125
GTIN / EAN:	4260669190009	4260669190016	4260669190023
initial luminous flux:	14,000 lm	14,000 lm	15,000 lm
initial system efficiency:	140 lm/w	140 lm/w	150 lm/w
initial, most similar color temperature:	5,000 K	5,000 K	5,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	60 degrees	90 degrees	120 degrees
dimming / control:	DALI-2	DALI-2	DALI-2
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

tempLED 150

	RayBeam Pro 150 - 60 HT	RayBeam Pro 150 - 90 HT	RayBeam Pro 150 - 120 HT
article number:	341264	341294	341224
GTIN / EAN:	4260669198340	4260669198357	4260669198333
initial luminous flux:	21,000 lm	21,000 lm	22,500 lm
initial system efficiency:	140 lm/w	140 lm/w	150 lm/w
initial, most similar color temperature:	4,000 K	4,000 K	4,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	60 degrees	90 degrees	120 degrees
dimming / control:	DALI-2	DALI-2	DALI-2
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

tempLED 150

	RayBeam Pro 150 - 60 HT	RayBeam Pro 150 - 90 HT	RayBeam Pro 150 - 120 HT
article number:	341265	341295	341225
GTIN / EAN:	4260669190030	4260669190047	4260669190054
initial luminous flux:	21,000 lm	21,000 lm	22,500 lm
initial system efficiency:	140 lm/w	140 lm/w	150 lm/w
initial, most similar color temperature:	5,000 K	5,000 K	5,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	60 degrees	90 degrees	120 degrees
dimming / control:	DALI-2	DALI-2	DALI-2
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

tempLED 200

	RayBeam Pro 200 - 60 HT	RayBeam Pro 200 - 90 HT	RayBeam Pro 200 - 120 HT
article number:	341364	341394	341324
GTIN / EAN:	4260669198371	4260669198388	4260669198364
initial luminous flux:	28,000 lm	28,000 lm	30,000 lm
initial system efficiency:	140 lm/w	140 lm/w	150 lm/w
initial, most similar color temperature:	4,000 K	4,000 K	4,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	60 degrees	90 degrees	120 degrees
dimming / control:	DALI-2	DALI-2	DALI-2
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

tempLED 200

	RayBeam Pro 200 - 60 HT	RayBeam Pro 200 - 90 HT	RayBeam Pro 200 - 120 HT
article number:	341365	341395	341325
GTIN / EAN:	4260669190061	4260669190078	4260669190085
initial luminous flux:	28,000 lm	28,000 lm	30,000 lm
initial system efficiency:	140 lm/w	140 lm/w	150 lm/w
initial, most similar color temperature:	5,000 K	5,000 K	5,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	60 degrees	90 degrees	120 degrees
dimming / control:	DALI-2	DALI-2	DALI-2
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











tempLED **240**

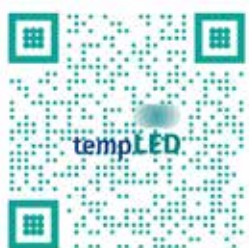
	RayBeam Pro 240 - 60 HT	RayBeam Pro 240 - 90 HT	RayBeam Pro 240 - 120 HT
article number:	341464	341494	341424
GTIN / EAN:	4260669198395	4260669198401	4260491843531
initial luminous flux:	33,600 lm	33,600 lm	36,000 lm
initial system efficiency:	140 lm/w	140 lm/w	150 lm/w
initial, most similar color temperature:	4,000 K	4,000 K	4,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	60 degrees	90 degrees	120 degrees
dimming / control:	DALI-2	DALI-2	DALI-2
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

tempLED **240**

	RayBeam Pro 240 - 60 HT	RayBeam Pro 240 - 90 HT	RayBeam Pro 240 - 120 HT
article number:	341465	341495	341425
GTIN / EAN:	4260669190092	4260669190108	4260669190115
initial luminous flux:	33,600 lm	33,600 lm	36,000 lm
initial system efficiency:	140 lm/w	140 lm/w	150 lm/w
initial, most similar color temperature:	5,000 K	5,000 K	5,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	60 degrees	90 degrees	120 degrees
dimming / control:	DALI-2	DALI-2	DALI-2
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
ITEMSTOCK
ITEM

tempLED	Accessory catalogue RayBeam Pro 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	934039	4260669194311
	locking device for ball impact safety adjustable and lockable mounting bracket with scale for ball impact safety, material: steel, finish: powder coating in white aluminium according to RAL 9006, delivery as a set of 2	935540	4260491842350
	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
	cover plate polycarbonate impact-resistant cover plate, thickness 5 mm, material: polycarbonat, finish: clear	333902	42604919843753
	Casambi control unit for integrating and controlling the luminaire via the Casambi network, can only be used at ambient temperatures of max. +50 degrees Celsius, mounted on the luminaire ready for use	934187	4260669198203
	emergency light module suitable only for tempLED RayBeam Pro 100 / 150 / 200 HT with automatic detection of failure and return of supply voltage, display of functional status, battery type: LiFePO4, running time approx. 3 hours with an output power of approx. 3,5 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	341900	4260745237246
	emergency light module suitable only for tempLED RayBeam Pro 240 HT with automatic detection of failure and return of supply voltage, display of functional status, battery type: LiFePO4, running time approx. 3 hours with an output power of approx. 3,5 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	341901	4260745237253



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LED is the future.

tempLED luminaires fulfil a recycling rate of > 90%.
That is our product promise to you.

When will you start?