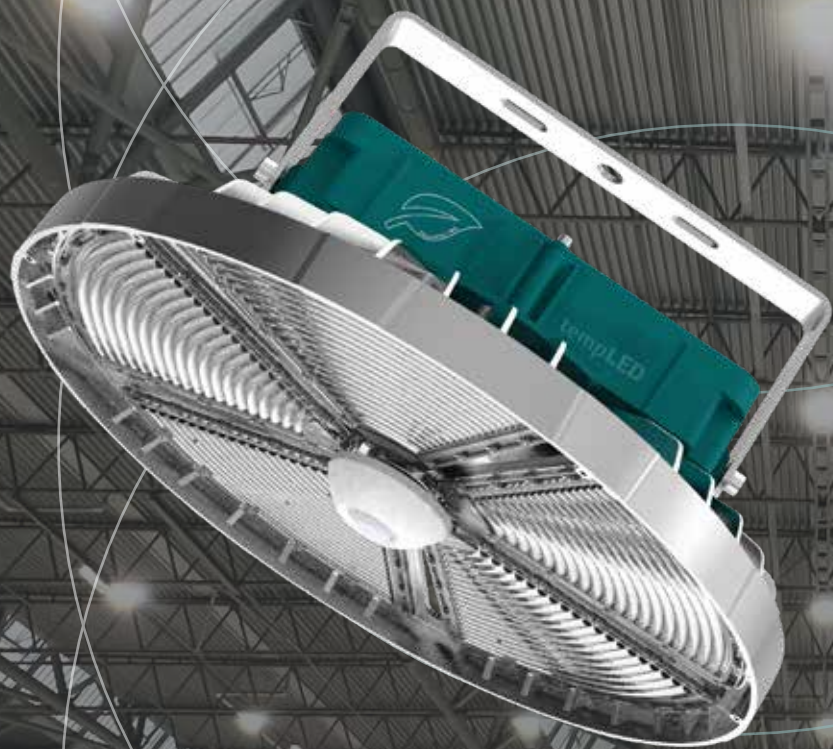


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tempLED



INTELLIGENT HALL LIGHT  
**RayBeam Hi V2 HT ti**

400 | 500 | 600

Our customer  
Airbus Commercial Aircraft

HALL LIGHTS 



# 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



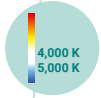
solid luminaire housing



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



five durable and bright LED light fields



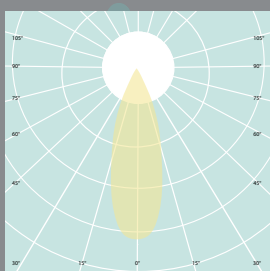
optional safety systems:



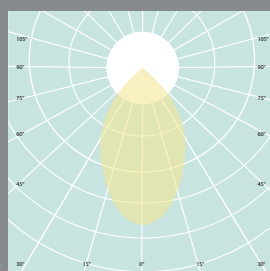
integrated sensor system:



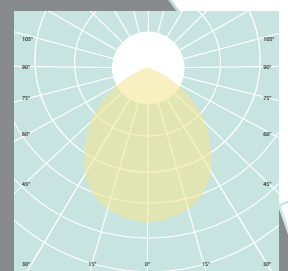
## Light distribution curves RayBeam Hi V2 HT ti 400 | 500 | 600



30 degrees symmetrical linear technology



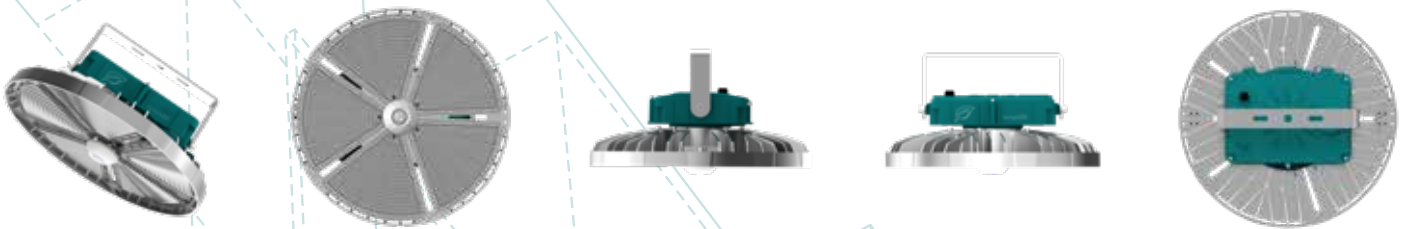
60 degrees symmetrical linear technology



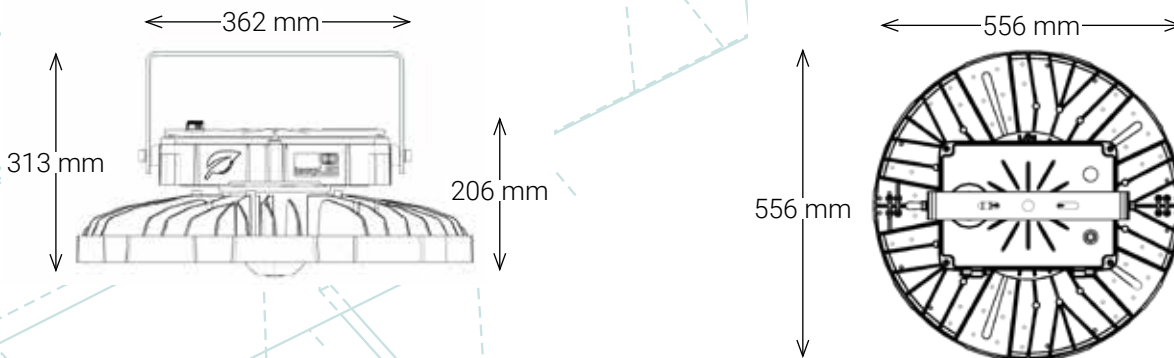
90 degrees symmetrical linear technology



## RayBeam Hi V2 HT ti 400 | 500 | 600



## Dimensions RayBeam Hi V2 HT ti 400 | 500 | 600



## Mounting options RayBeam Hi V2 HT ti 400 | 500 | 600

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



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

<sup>2</sup>Adjustment 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 <sup>1</sup>
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:	220 to 240 volts
supply frequency:	50 / 60 hertz
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

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

**Control and safety properties:**

dimming and motion detection:	via integrated ENLIGHTED sensor system
emergency light module:	optional <sup>1</sup>
daylight control system:	via integrated ENLIGHTED sensor system

**Housing properties:**

ambient temperature:	0 to +65 degrees Celsius
ingress protection:	IP 65
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 <sup>3</sup>
material of optical system:	impact- and UV-resistant polycarbonate
luminaire housing color:	white aluminium according to RAL 9006 <sup>2</sup>
power supply housing color:	water blue according to RAL 5021 <sup>2</sup>
surface finish:	powder coating <sup>2</sup>
supply cable type:	H05RN-F 3G1
supply cable length:	250 centimeters
supply cable inlet:	plug connector
supply cable connection type:	open cable end
number of poles:	3 grid

**Additional information:**

certificates:	ENEC in preparation
conformities:	CE and RoHS
lifespan (L70B10C1):	approx. 100,000 hours
lifespan (L90B10C1):	approx. 50,000 hours
guarantee:	5 years <sup>3</sup>
spare part guarantee:	10 years
delievery includes:	luminaire, sensor system, ceiling bracket and fall protection

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

<sup>2</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>3</sup> according to the warranty conditions of tempLED GmbH, excluding accessories and sensor systems.

**Logistic information:**

luminaire:	RayBeam Hi V2 400 HT ti	RayBeam Hi V2 500 HT ti	RayBeam Hi V2 600 HT ti
number of luminaires per package:	1	1	1
number of luminaires per pallet:	8	8	8
net weight of the luminaire:	17,600 g	18,900 g	19,900 g
gross weight per package:	20,400 g	21,700 g	22,700 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

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## RayBeam Hi V2 400 - 60 HT ti

STOCK  
ITEM

## RayBeam Hi V2 400 - 90 HT ti

article number:	777006	777007
GTIN / EAN:	4260745238410	4260745238427
initial luminous flux:	66,000 lm	66,000 lm
initial system efficiency:	165 lm/w	165 lm/w
initial, most similar color temperature:	4,000 K	4,000 K
light distribution:	symmetrical	symmetrical
beam angle:	60 degrees	90 degrees
dimming / control:	ENLIGHTED	ENLIGHTED
system performance:	400 W	400 W
power consumption:	1.74 A	1.74 A
maximum inrush current:	65 A	65 A
dimensions (Ø x H):	556 x 313 mm	556 x 313 mm

## tempLED 400

STOCK  
ITEM

## RayBeam Hi V2 400 - 60 HT ti

STOCK  
ITEM

## RayBeam Hi V2 400 - 90 HT ti

article number:	777002	777008
GTIN / EAN:	4260745238373	4260745238434
initial luminous flux:	66,000 lm	66,000 lm
initial system efficiency:	165 lm/w	165 lm/w
initial, most similar color temperature:	5,000 K	5,000 K
light distribution:	symmetrical	symmetrical
beam angle:	60 degrees	90 degrees
dimming / control:	ENLIGHTED	ENLIGHTED
system performance:	400 W	400 W
power consumption:	1.74 A	1.74 A
maximum inrush current:	65 A	65 A
dimensions (Ø x H):	556 x 313 mm	556 x 313 mm

## tempLED 500

STOCK  
ITEM

## RayBeam Hi V2 500 - 60 HT ti

STOCK  
ITEM

## RayBeam Hi V2 500 - 90 HT ti

article number:	777009	777011
GTIN / EAN:	4260745238441	4260745238465
initial luminous flux:	82,500 lm	82,500 lm
initial system efficiency:	165 lm/w	165 lm/w
initial, most similar color temperature:	4,000 K	4,000 K
light distribution:	symmetrical	symmetrical
beam angle:	60 degrees	90 degrees
dimming / control:	ENLIGHTED	ENLIGHTED
system performance:	500 W	500 W
power consumption:	2.17 A	2.17 A
maximum inrush current:	80 A	80 A
dimensions (Ø x H):	556 x 313 mm	556 x 313 mm

## tempLED 500

STOCK  
ITEM

## RayBeam Hi V2 500 - 60 HT ti

STOCK  
ITEM

## RayBeam Hi V2 500 - 90 HT ti

article number:	777010	777005
GTIN / EAN:	4260745238458	4260745238403
initial luminous flux:	82,500 lm	82,500 lm
initial system efficiency:	165 lm/w	165 lm/w
initial, most similar color temperature:	5,000 K	5,000 K
light distribution:	symmetrical	symmetrical
beam angle:	60 degrees	90 degrees
dimming / control:	ENLIGHTED	ENLIGHTED
system performance:	500 W	500 W
power consumption:	2.17 A	2.17 A
maximum inrush current:	80 A	80 A
dimensions (Ø x H):	556 x 313 mm	556 x 313 mm

## tempLED 600

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## RayBeam Hi V2 600 - 30 HT ti

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ITEM

## RayBeam Hi V2 600 - 60 HT ti

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ITEM

## RayBeam Hi V2 600 - 90 HT ti

article number:	777012	777013	777015
GTIN / EAN:	4260745238472	4260745238489	4260745238502
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:	ENLIGHTED	ENLIGHTED	ENLIGHTED
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 313 mm	556 x 313 mm	556 x 313 mm

## tempLED 600

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## RayBeam Hi V2 600 - 60 HT ti

STOCK  
ITEM

## RayBeam Hi V2 600 - 90 HT ti

article number:	777014	777016
GTIN / EAN:	4260745238496	4260745238519
initial luminous flux:	99,000 lm	99,000 lm
initial system efficiency:	165 lm/w	165 lm/w
initial, most similar color temperature:	5,000 K	5,000 K
light distribution:	symmetrical	symmetrical
beam angle:	60 degrees	90 degrees
dimming / control:	ENLIGHTED	ENLIGHTED
system performance:	600 W	600 W
power consumption:	2.51 A	2.51 A
maximum inrush current:	96 A	96 A
dimensions (Ø x H):	556 x 313 mm	556 x 313 mm









## The sensor system

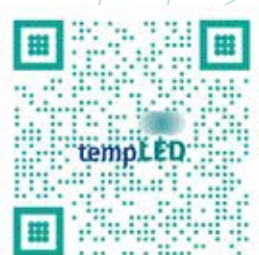


Bluetooth 4.0 - wireless network for data exchange between sensor and gateway with 128-bit AES encryption and a maximum range of 46 meters in free field.

$\alpha$	$\beta$	$\gamma$
mounting height	detection range of small movement patterns	detection range of large movement patterns
3.50 meters	2.50 x 2.50 meters	6.00 x 6.00 meters
12.00 meters	6.00 x 6.00 meters	14.00 x 14.00 meters



tempLED	Accessory catalogue RayBeam Hi V2 HT ti	art.-no.	GTIN / EAN
	<b>wall bracket</b> surface bracket for wall mounting, adjustment range of the luminaire: 0 to 90 degrees, material: stainless steel, finish: natural	934040	4260669194328
	<b>safety plug</b> 3-pin safety plug with ingress protection IP 44, installed on the supply cable of the luminaire	945400	4260491842251
	<b>supply cable extension</b> ready-to-use 3-pin supply cable extension up to 10 meters	333903	4260491843760
	<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	945430	4260491842329
	<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	945431	4260491842336
	<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	336900	4260745237284



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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?