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tempLED



INTELLIGENT HALL LIGHT  
**RayLance V2 ti**  
145

Our customer  
Voestalpine

HALL LIGHTS 



# tempLED

initial system efficiency  
up to 180 lm / w



modular overall structure  
with exchangeable and replac-  
eable main components



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



solid luminaire housing  
with durable powder coating  
and a smooth surface texture



pressure compensation mem-  
brane to prevent condensation



integrated sensor system:



optionales security  
system:



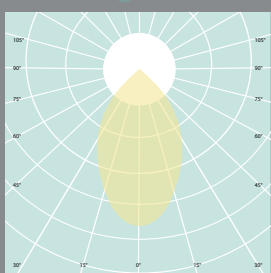
four durable and bright  
LED light field



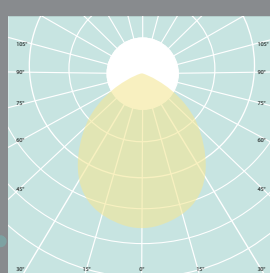
impact and UV-resistant high-performance  
optical system with two practical beam angles  
and a unified glare rating (UGR) up to < 16



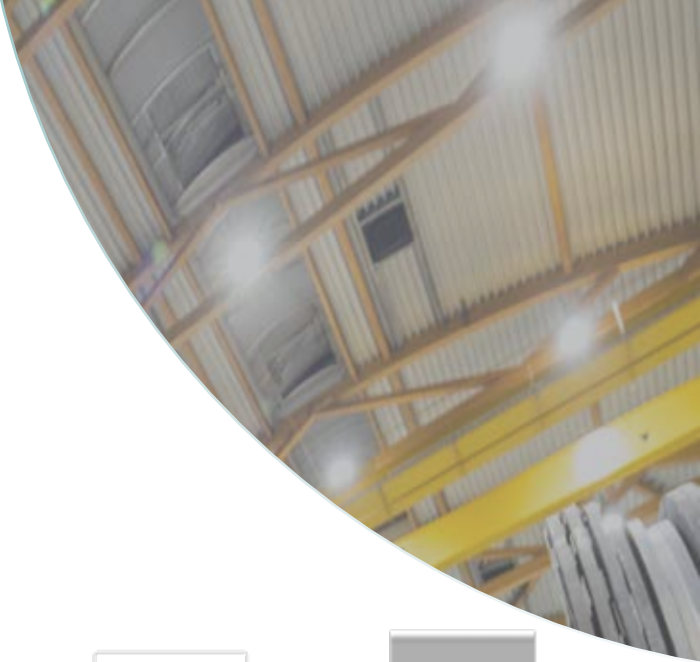
## Light distribution curves RayLance V2 ti 145



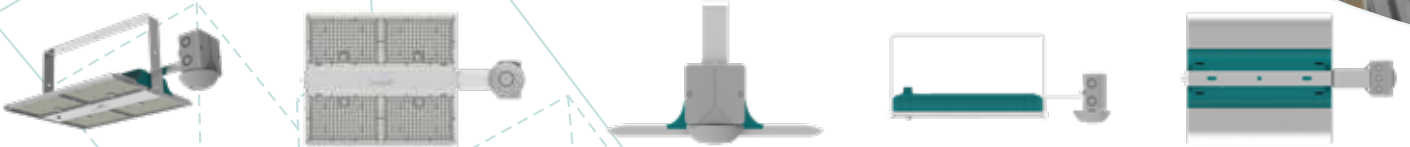
60 degrees symmetrical



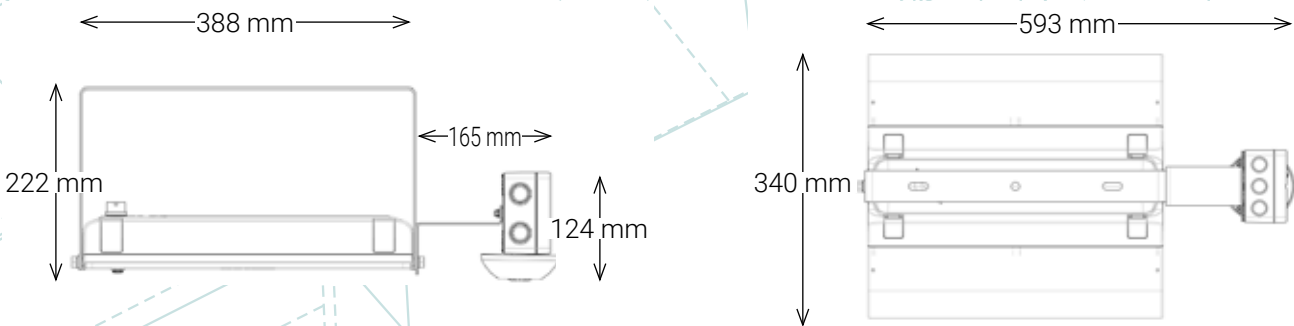
90 degrees symmetrical



### RayLance V2 ti 145

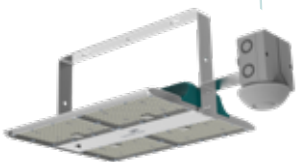


### Dimensions RayLance V2 ti 145



### Mounting options RayLance V2 ti 145

bracket mounting



## General technical data

according to IEC, identical for all types of luminaires



### Lighting properties:

initial luminous flux:	26,100 lumens
luminous flux tolerance:	± 10 percent
initial system efficiency:	up to 180 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:	60   90 degrees
photobiological safety:	IEC/TR 62778: 1
compact flicker degree (CFD):	1 percent

### Electrotechnical properties:

power supply AC:	220 to 240 volts
supply frequency:	50 / 60 hertz
system performance:	145 watts
system performance tolerance:	± 10 percent
power factor:	> 0.90
overvoltage protection:	yes
overheating protection:	yes
temperature monitoring:	yes
total harmonic distortion (THD):	< 10 percent
temperature classification (ATEX):	T5
Tc - temperature:	+90 degrees Celsius

### Energy characteristics:

Valid for all tempLED RayLance V2:	This product contains a light source of energy efficiency class B.
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### Mounting options:

standard mounting options:	mounting bracket
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<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 +50 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 and polycarbonate
material(s) and finish of the standard ceiling bracket:	steel, powder-coated in white aluminium according to RAL 9006 <sup>2</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:	H07RN-F 3G1
supply cable length:	250 centimeters
supply cable inlet:	Wieland connector RST20i5
supply cable connection type:	open cable end
number of poles:	3 grid

**Additional information:**

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

<sup>1</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:	RayLance V2 145 ti
number of luminaires per package:	1
number of luminaires per pallet:	76
net weight of the luminaire:	4,200 g
gross weight per package:	5,000 g
package dimensions L x W x H:	450 x 440 x 150 mm

## tempLED 145

STOCK  
ITEM

	RayLance V2 145 - 60 ti	RayLance V2 145 - 90 ti
article number:	777038	777039
GTIN / EAN:	4260745238731	4260745238748
initial luminous flux:	26,100 lm	26,100 lm
initial system efficiency:	180 lm/w	180 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:	145 W	145 W
power consumption:	0.63 A	0.63 A
maximum inrush current:	75 A	75 A
dimensions (L x W x H):	593 x 340 x 222 mm	593 x 340 x 222 mm

STOCK  
ITEM

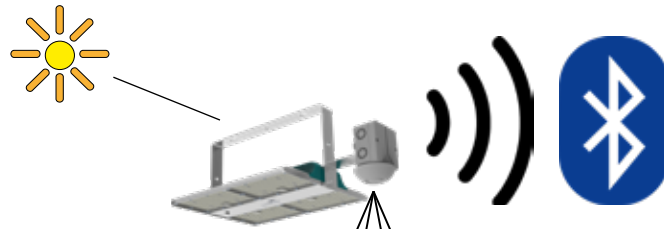
## tempLED 145

STOCK  
ITEM

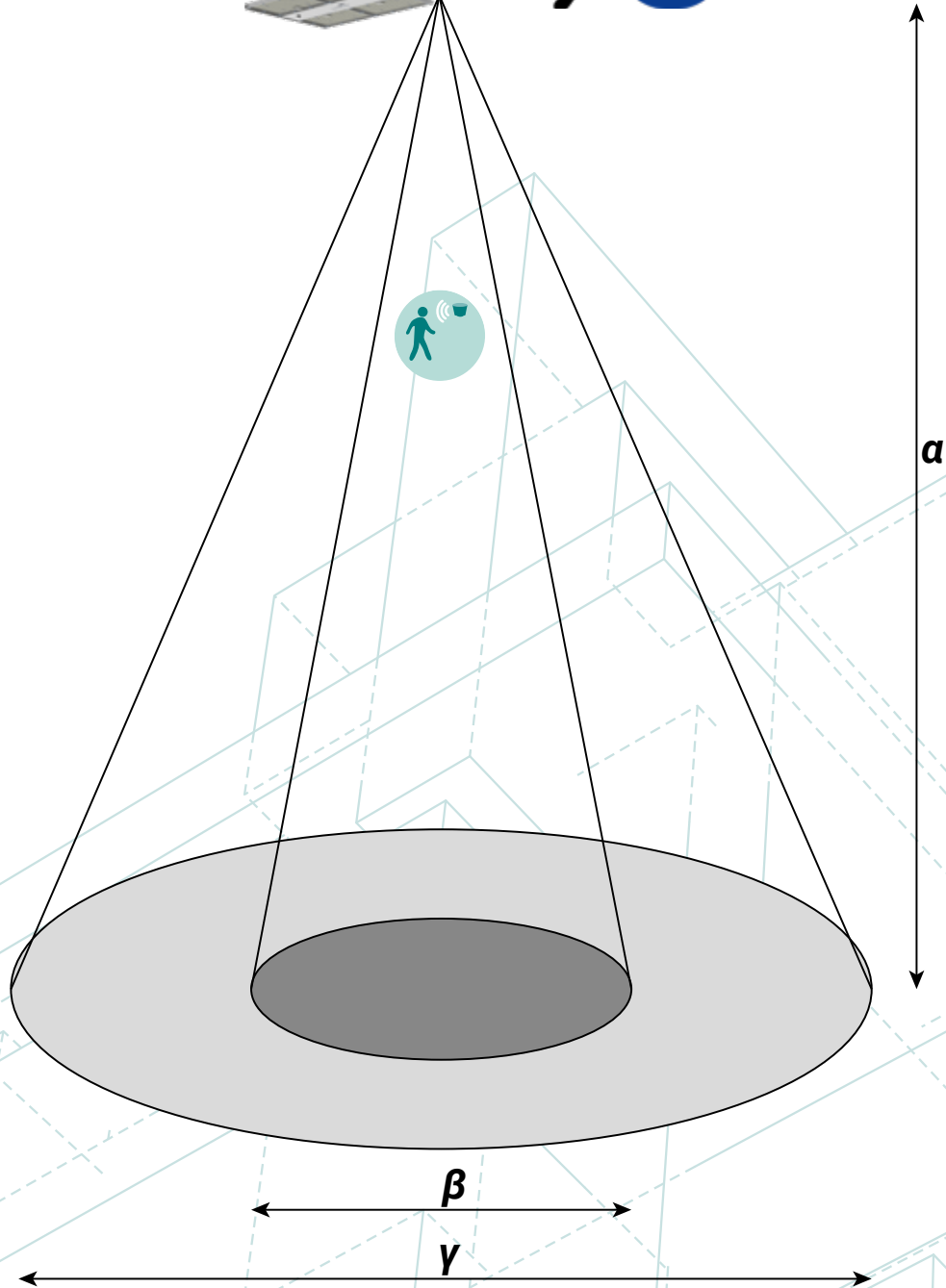
	RayLance V2 145 - 60 ti	RayLance V2 145 - 90 ti
article number:	777040	777041
GTIN / EAN:	4260745238755	4260745238762
initial luminous flux:	26,100 lm	26,100 lm
initial system efficiency:	180 lm/w	180 lm/w
initial, most similar color temperature:	5,000 K	5,000 K
light distribution:	symmetrical	symmetrical
beam angle:	60 degrees	90 degrees
dimming / control:	ENLIGHTED	ENLIGHTED
system performance:	145 W	145 W
power consumption:	0.63 A	0.63 A
maximum inrush current:	75 A	75 A
dimensions (L x W x H):	593 x 340 x 222 mm	593 x 340 x 222 mm

STOCK  
ITEM

## 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



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## Accessory catalogue RayLance V2 ti

art.-no.

GTIN / EAN



### 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 3-pin supply cable extension up to 10 meters

333903

4260491843760



### 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

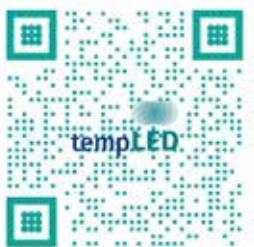


### emergency light module

with automatic detection of failure and return of supply voltage, display of functional status, battery type: LiFePO4, running time 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

384900

4260745237291



Direct link to the tempLED download portall



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?