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**tempLED**



HALL LIGHTS  
**tempLED RayLance V3**

75 | 100 | 145

Our customer  
Voestalpine

HALL LIGHTS   
LIGHTING FOR SPORTS FACILITIES 

# tempLED

initial system efficiency  
up to 185 lm / w



modular overall structure  
with exchangeable and replac-  
eable main components



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



Certification for ball impact  
safety in combination with optional  
mounting accessories



pressure compensation mem-  
brane to prevent condensation



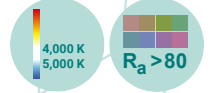
solid luminaire housing  
with durable powder coating  
and a smooth surface texture



Zhaga-18 socket for  
optional control technology



four durable and bright  
LED light field



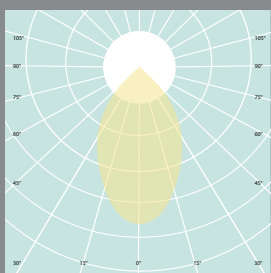
optional safety systems



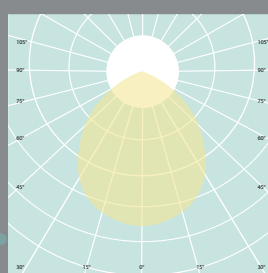
impact and UV-resistant high-performance  
optical system with three practical beam angles  
and a unified glare rating (UGR) up to < 16



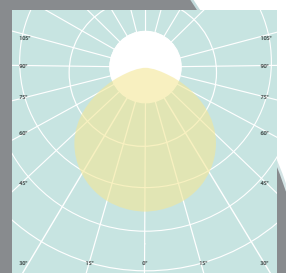
## Light distribution curves tempLED RayLance V3 75 | 100 | 145



60 degrees symmetrical



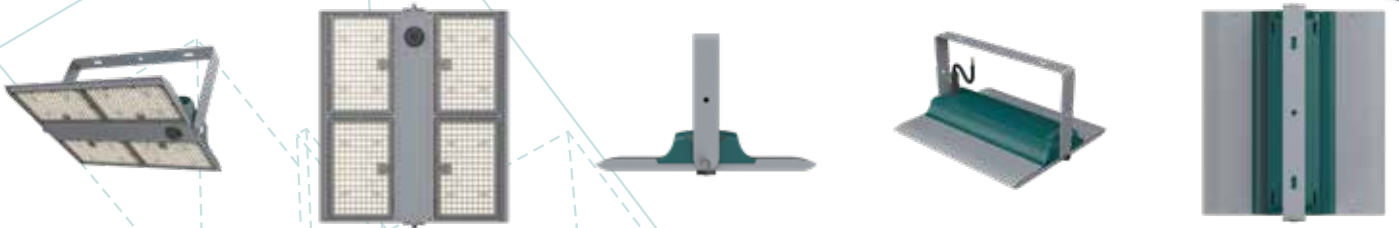
90 degrees symmetrical



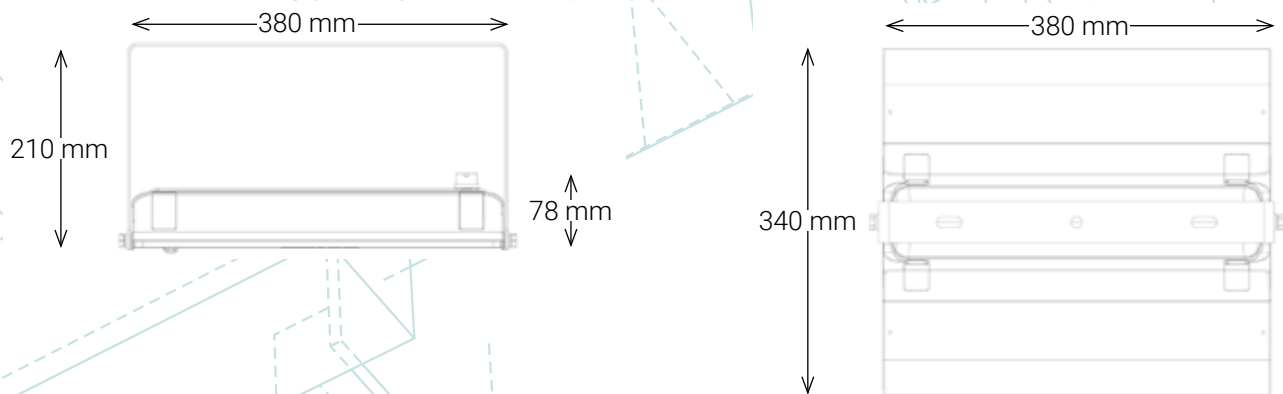
120 degrees symmetrical



### tempLED RayLance V3 75 | 100 | 145



### Dimensions tempLED RayLance V3 75 | 100 | 145

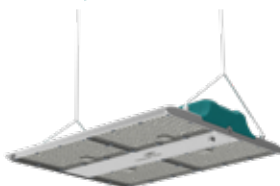


### Mounting options tempLED RayLance V3 75 | 100 | 145

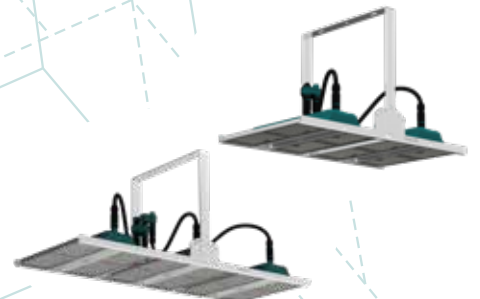
bracket mounting<sup>1</sup>



pendant mounting<sup>2</sup>



double and triple mounting<sup>3</sup>



<sup>1</sup> Adjustment range for surface mounting with standard mounting bracket: 0 to 90 degrees.

<sup>2</sup> Suitable mounting material available as accessory (932371/932372).

<sup>3</sup> Suitable mounting material available as accessory (932256/933229/932257/933231).

## General technical data

according to IEC, identical for all types of luminaires



### Lighting properties:

initial luminous flux:	13,875 to 26,825 lumens
luminous flux tolerance:	± 10 percent
initial system efficiency:	up to 185 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   120 degrees
photobiological safety:	IEC/TR 62778: 1
compact flicker degree (CFD):	1 percent

### Electrotechnical properties:

power supply AC:	100 to 240 volts
supply frequency:	50 / 60 hertz
power supply DC:	127 to 250 volts
system performance:	75 to 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
Zhaga-18 socket:	yes, on the bottom of the luminaire

### Energy characteristics:

Valid for all tempLED RayLance V3:	This product contains a light source of energy efficiency class B.
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### Mounting options:

standard mounting options:	mounting bracket with adjustment range 0 to 90 degrees
optional mounting options:	4-point rope suspension, maximum suspension height 1.00 or 3.00 meters mounting bracket system with ball impact safety double holder system, fixed or adjustable triple holder system, fixed or adjustable

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

**Control and safety properties:**

dimming:	via Zhaga-18 socket DALI-2 optional ONLY in combination with upgrade 385900 ex works
minimum dimming level:	10 percent
constant lumen output (CLO):	optional
emergency light module:	optional <sup>1</sup>
human centric lighting:	on request
daylight harvesting:	optional <sup>2</sup>
motion control:	optional <sup>2</sup>

**Housing properties:**

ambient temperature:	-30 to +50 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 and polycarbonate
material(s) and finish of the standard ceiling bracket:	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>3</sup>
power supply housing color:	water blue according to RAL 5021 <sup>3</sup>
surface finish:	powder coating <sup>3</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 in preparation   ball impact safety <sup>4</sup>
conformities:	CE   RoHS   DIN 10500 (HACCP   IFS) <sup>5</sup>
lifespan (L70B10C1):	approx. 100,000 hours
lifespan (L90B10C1):	approx. 50,000 hours
guarantee:	5 years <sup>6</sup>
spare part guarantee:	10 years
delievery includes:	luminaire and mounting bracket

<sup>1</sup> can only be used at ambient temperatures from +5 to +50 degrees Celsius. <sup>2</sup> can only be used at ambient temperatures from -15 to +50 degrees Celsius.

<sup>3</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>4</sup> ball impact safety certificate only valid in combination with mounting bracket system (article number 932258).

<sup>5</sup> DIN 10500 only valid in combination with optional upgrade package (article number 384932). <sup>6</sup> according to the warranty conditions of tempLED GmbH, excluding accessories.

**Logistic information:**

luminaire:	RayLance V3 75   100   145
number of luminaires per package:	1
number of luminaires per pallet:	76
net weight of the luminaire:	3,700 g
gross weight per package:	4,500 g
package dimensions L x W x H:	450 x 440 x 150 mm

## tempLED 75

	RayLance V3 75 - 60	RayLance V3 75 - 90	RayLance V3 75 - 120
article number:	385164	385194	385124
GTIN / EAN:	4262493350826	4262493350840	4262493350802
initial luminous flux:	13,875 lm	13,875 lm	13,875 lm
initial system efficiency:	185 lm/W	185 lm/W	185 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:	Zhaga-18 socket	Zhaga-18 socket	Zhaga-18 socket
system performance:	75 W	75 W	75 W
power consumption:	0.33 A	0.33 A	0.33 A
maximum inrush current:	75 A	75 A	75 A
dimensions (L x W x H):	380 x 340 x 210 mm	380 x 340 x 210 mm	380 x 340 x 210 mm

## tempLED 75

	RayLance V3 75 - 60	RayLance V3 75 - 90	RayLance V3 75 - 120
article number:	385165	385195	385125
GTIN / EAN:	4262493350833	4262493350857	4262493350819
initial luminous flux:	13,875 lm	13,875 lm	13,875 lm
initial system efficiency:	185 lm/W	185 lm/W	185 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:	Zhaga-18 socket	Zhaga-18 socket	Zhaga-18 socket
system performance:	75 W	75 W	75 W
power consumption:	0.33 A	0.33 A	0.33 A
maximum inrush current:	75 A	75 A	75 A
dimensions (L x W x H):	380 x 340 x 210 mm	380 x 340 x 210 mm	380 x 340 x 210 mm

## tempLED 100

	RayLance V3 100 - 60	RayLance V3 100 - 90	RayLance V3 100 - 120
article number:	385264	385294	385224
GTIN / EAN:	4262493350888	4262493350901	4262493350864
initial luminous flux:	18,500 lm	18,500 lm	18,500 lm
initial system efficiency:	185 lm/W	185 lm/W	185 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:	Zhaga-18 socket	Zhaga-18 socket	Zhaga-18 socket
system performance:	100 W	100 W	100 W
power consumption:	0.44 A	0.44 A	0.44 A
maximum inrush current:	75 A	75 A	75 A
dimensions (L x W x H):	380 x 340 x 210 mm	380 x 340 x 210 mm	380 x 340 x 210 mm

## tempLED 100

	RayLance V3 100 - 60	RayLance V3 100 - 90	RayLance V3 100 - 120
article number:	385265	385295	385225
GTIN / EAN:	4262493350895	4262493350918	4262493350871
initial luminous flux:	18,500 lm	18,500 lm	18,500 lm
initial system efficiency:	185 lm/W	185 lm/W	185 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:	Zhaga-18 socket	Zhaga-18 socket	Zhaga-18 socket
system performance:	100 W	100 W	100 W
power consumption:	0.44 A	0.44 A	0.44 A
maximum inrush current:	75 A	75 A	75 A
dimensions (L x W x H):	380 x 340 x 210 mm	380 x 340 x 210 mm	380 x 340 x 210 mm

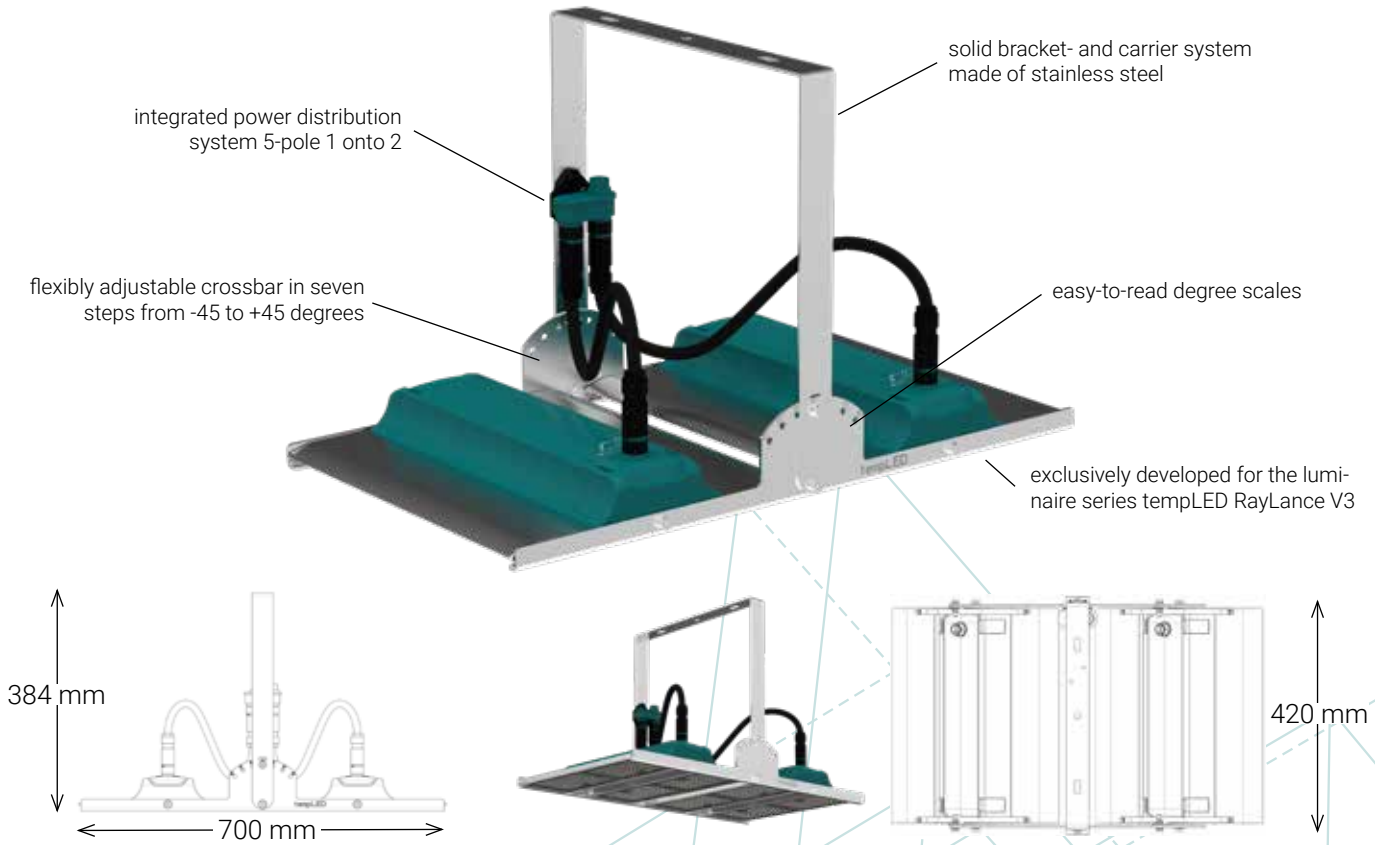
## tempLED 145

	RayLance V3 145 - 60	RayLance V3 145 - 90	RayLance V3 145 - 120
article number:	385364	385394	385324
GTIN / EAN:	4262493350949	4262493350963	4262493350925
initial luminous flux:	26,825 lm	26,825 lm	26,825 lm
initial system efficiency:	185 lm/W	185 lm/W	185 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:	Zhaga-18 socket	Zhaga-18 socket	Zhaga-18 socket
system performance:	145 W	145 W	145 W
power consumption:	0.63 A	0.63 A	0.63 A
maximum inrush current:	75 A	75 A	75 A
dimensions (L x W x H):	380 x 340 x 210 mm	380 x 340 x 210 mm	380 x 340 x 210 mm

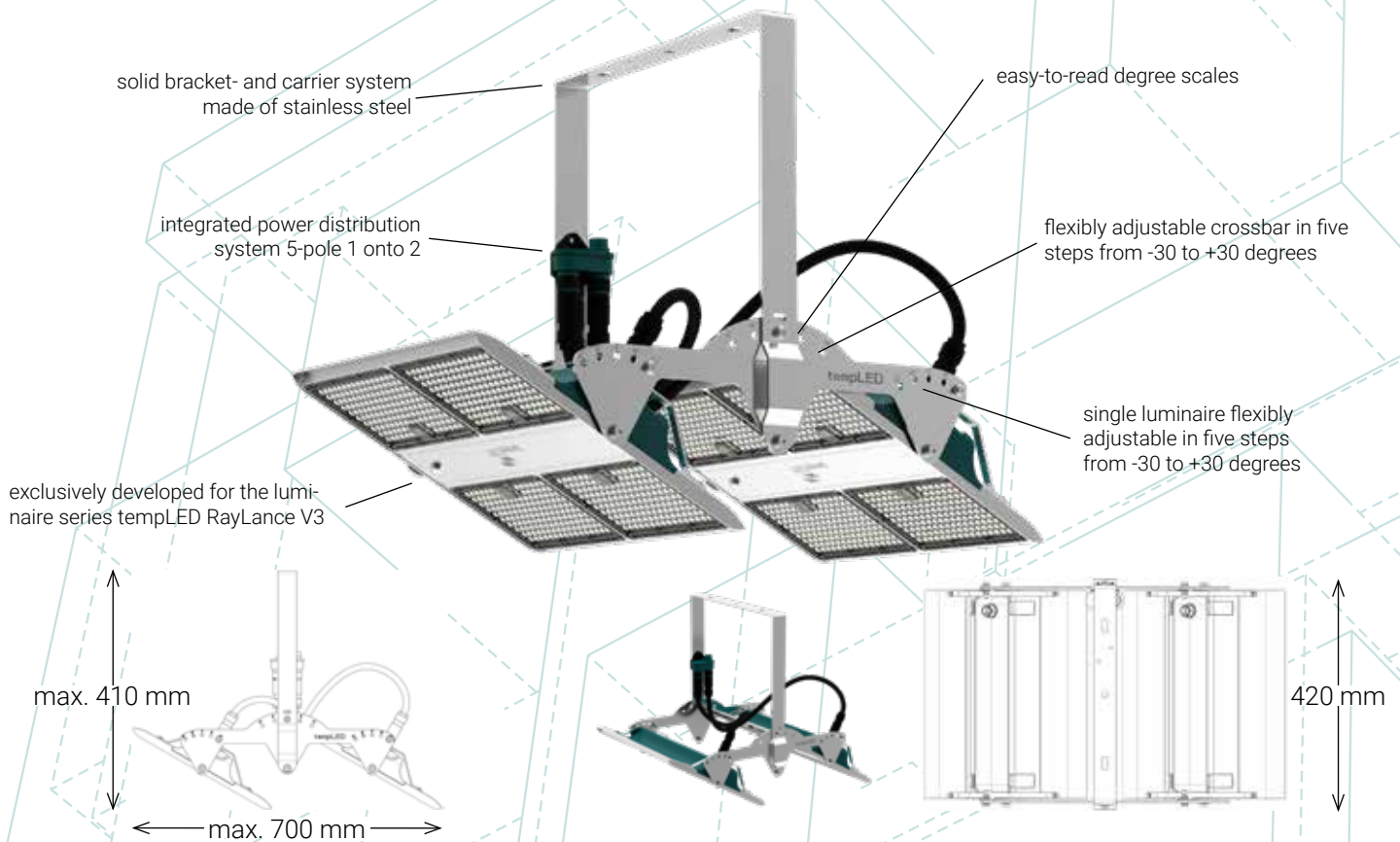
## tempLED 145

	RayLance V3 145 - 60	RayLance V3 145 - 90	RayLance V3 145 - 120
article number:	385365	385395	385325
GTIN / EAN:	4262493350956	4262493350970	4262493350932
initial luminous flux:	26,825 lm	26,825 lm	26,825 lm
initial system efficiency:	185 lm/W	185 lm/W	185 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:	Zhaga-18 socket	Zhaga-18 socket	Zhaga-18 socket
system performance:	145 W	145 W	145 W
power consumption:	0.63 A	0.63 A	0.63 A
maximum inrush current:	75 A	75 A	75 A
dimensions (L x W x H):	380 x 340 x 210 mm	380 x 340 x 210 mm	380 x 340 x 210 mm

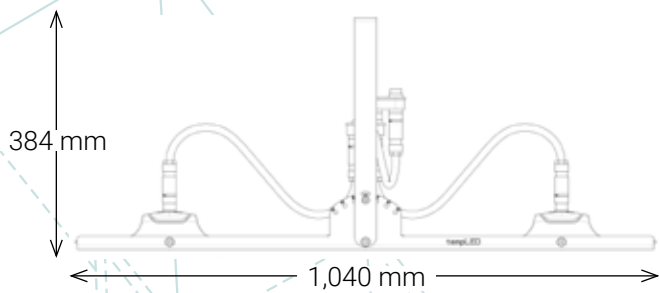
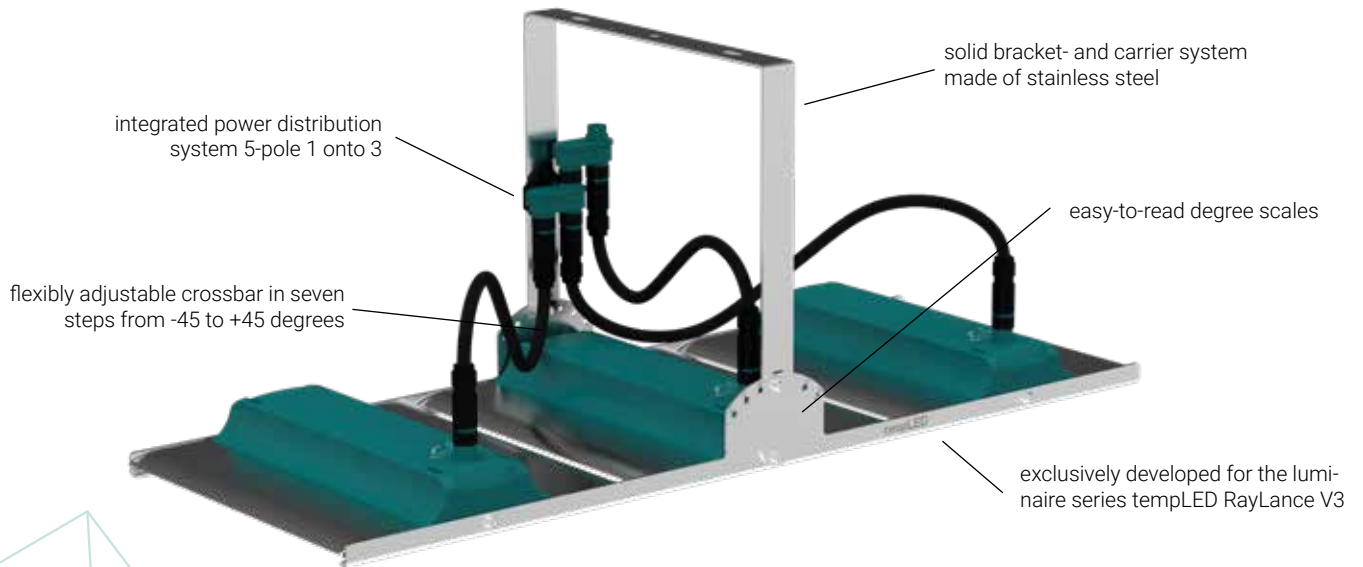
### Double holder system tempLED RayLance V3 fixed version



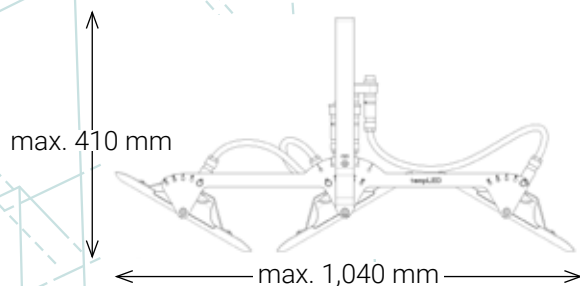
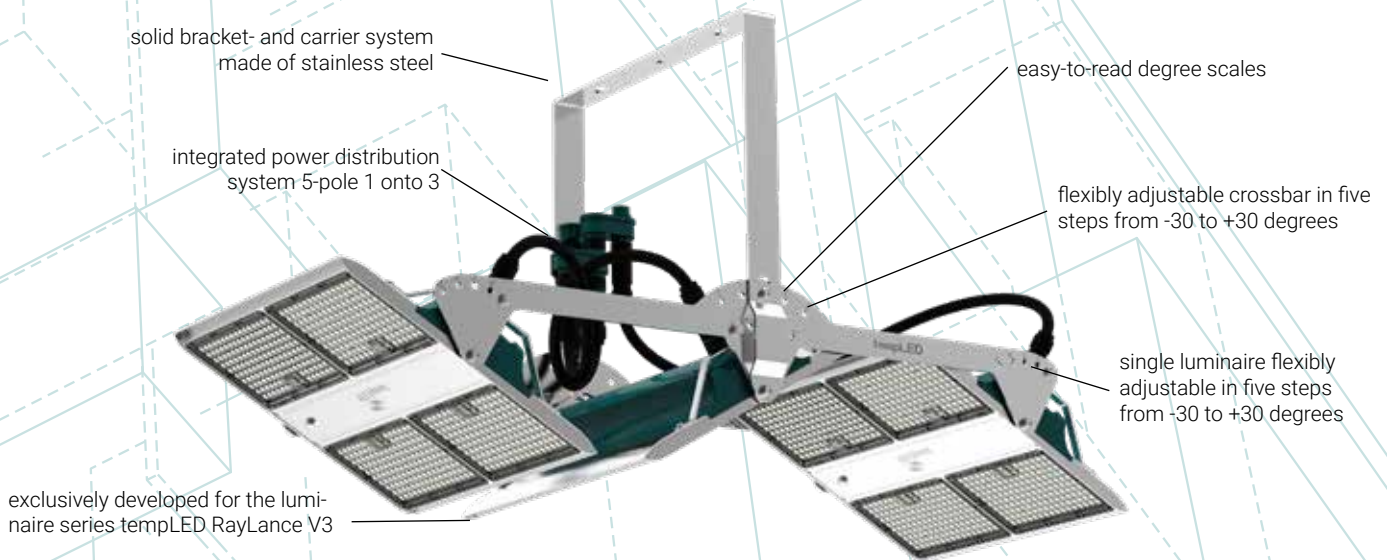
### Double holder system tempLED RayLance V3 adjustable version



### Triple holder system tempLED RayLance V3 fixed version

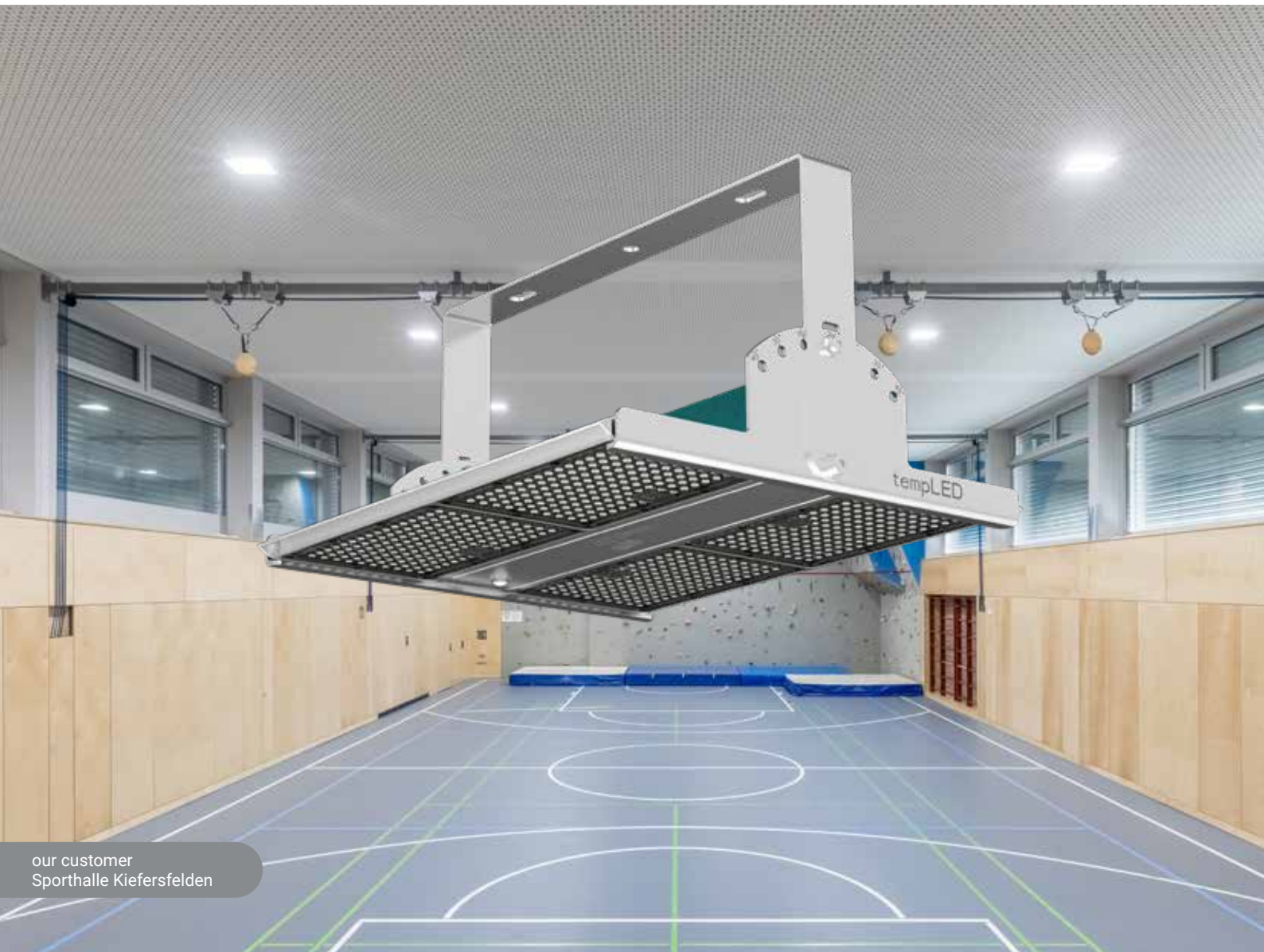
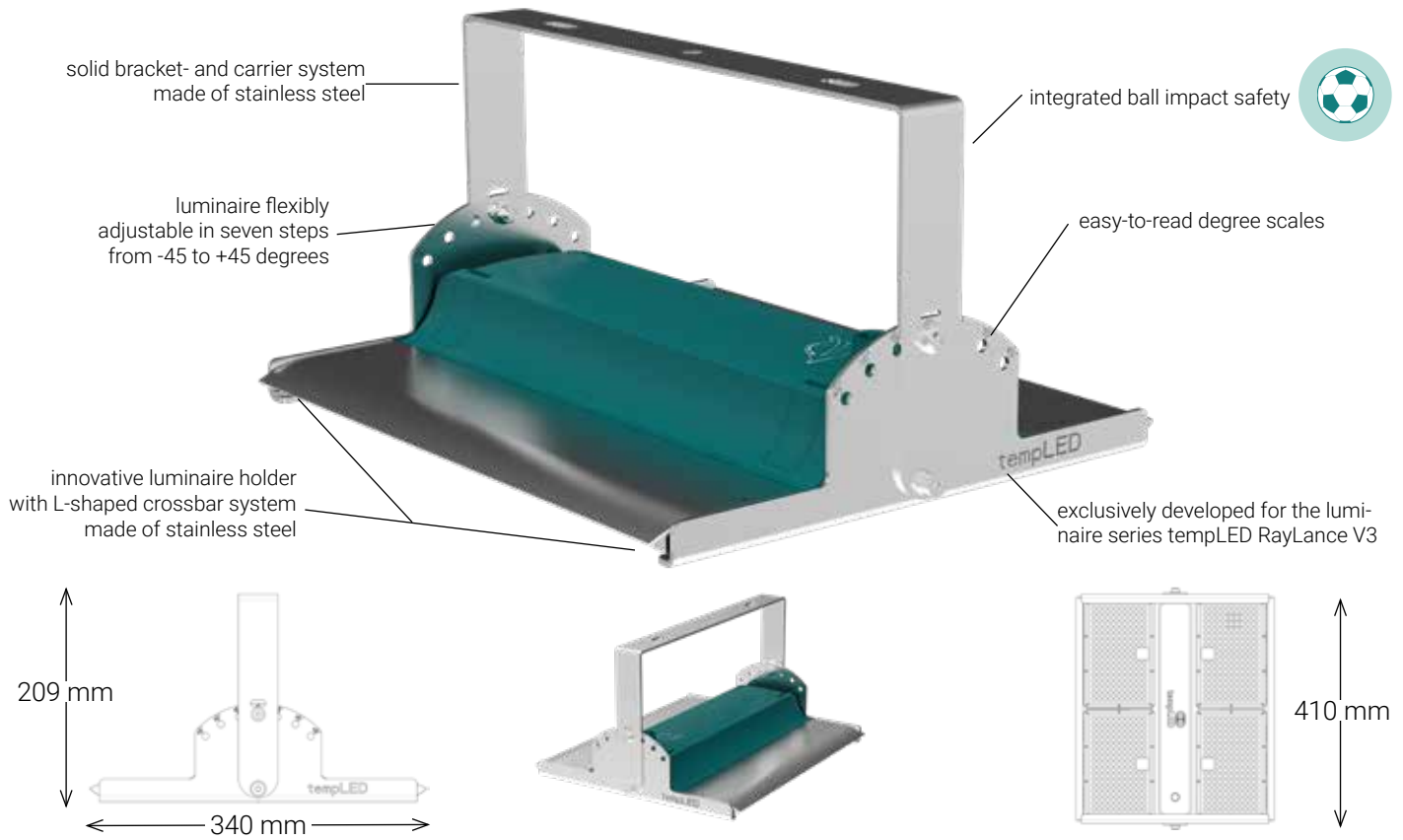


### Triple holder system tempLED RayLance V3 adjustable version















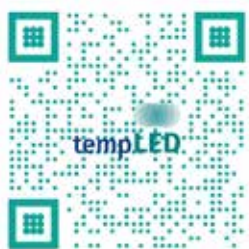
tempLED

# Mounting bracket system tempLED RayLance V3 with integrated ball impact safety



our customer  
Sporthalle Kiefersfelden

tempLED	Accessory catalogue RayLance V3	art.-no.	GTIN / EAN
	<b>4-point rope suspension</b> for pendant mounting complete set consisting of ready-made steel cables and mounting material, material: steel, finish: natural <b>maximum suspension height: 1.00 m</b> <b>maximum suspension height: 3.00 m</b>	933372 933371	4260745232760 4260669199750
	<b>double holder system, fixed</b> mounting bracket specially adapted to the luminaire series with a scale for fixed installation of two luminaires on one mounting point, adjustment range double bracket: -45 to +45 degrees in seven steps, single luminaire not adjustable, material: stainless steel, finish: natural, incl. power distribution system 5-pole 1 onto 2	932256	4260745233545
	<b>double holder system, adjustable</b> mounting bracket specially adapted to the luminaire series with scales for flexible installation of two luminaires on one mounting point, adjustment range double bracket: -30 to +30 degrees in five steps, adjustment range single luminaire: -30 to +30 degrees in five steps, material: stainless steel, finish: natural, incl. power distribution system 5-pole 1 onto 2	933229	4260745234429
	<b>triple holder system, fixed</b> mounting bracket specially adapted to the luminaire series with a scale for fixed installation of three luminaires on one mounting point, adjustment range double bracket: -45 to +45 degrees in seven steps, single luminaire not adjustable, material: stainless steel, finish: natural, incl. power distribution system 5-pole 1 onto 3	932257	4260745233552
	<b>double holder system, adjustable</b> mounting bracket specially adapted to the luminaire series with scales for flexible installation of three luminaires on one mounting point, adjustment range double bracket: -30 to +30 degrees in five steps, adjustment range single luminaire: -30 to +30 degrees in five steps, material: stainless steel, finish: natural, incl. power distribution system 5-pole 1 onto 3	933231	4260745234436
	<b>mounting bracket system with ball impact safety</b> adjustable and lockable mounting bracket specially adapted to the luminaire series with a scale and integrated ball impact safety, adjustment range: -45 to +45 degrees in seven steps, material: stainless steel, finish: natural	932258	4260745233569
	<b>LEDelligence PIR motion detector</b> including adapter for the Zhaga-18 socket PIR motion detector fully assembled in Zhaga 18 adapter, integrated daylight sensor for activating the PIR motion detector, detection angle: 360 degrees, ingress protection: IP 65, ambient temperature range: -15 to +50 degrees Celsius. Programming and control via Bluetooth mesh network and app.		
	maximum mounting height: 3.50 meters, maximum detection range: Ø 12 meters maximum mounting height: 12.00 meters, maximum detection range: Ø 12 meters maximum mounting height: 17.00 meters, maximum detection range: Ø 18 meters	312928 312929 312930	4262493351663 4262493351670 4262493351687
	<b>supply cable extension</b> ready-to-use 3-pin supply cable extension up to 10 meters	333903	4260491843760
	<b>upgrade to external DALI control</b> upgrade to 5-pole supply cable with a length of 250 cm for connecting external DALI controls <b>Important note:</b> the internal Zhaga-18 socket cannot be used, ONLY possible when ordering the luminaire and upgrade at the same time, no subsequent retrofitting possible.	385900	4262493351311
	<b>emergency light module</b> 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
	<b>upgrade package to DIN 10500 (HACCP / IFS)</b> upgrade of <u>one</u> tempLED RayLance V3 to comply with DIN 10500 (HACCP / IFS)	384932	4260745236829



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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?