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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 op-
tional mounting accessories



pressure compensation mem-
brane to prevent condensation



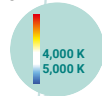
solid luminaire housing
with durable powder coating
and a smooth surface texture



Zhaga-18 socket for
optional control technology



four durable and bright
LED light field



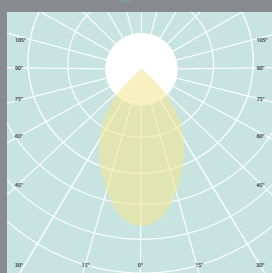
optional safety systems



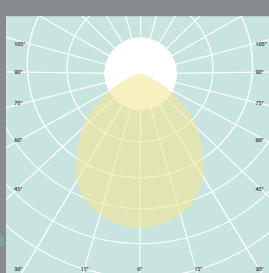
impact and UV-resistant high-performance
optical system with three practical beam angles
and a unified glare rating (UGR) up to < 16



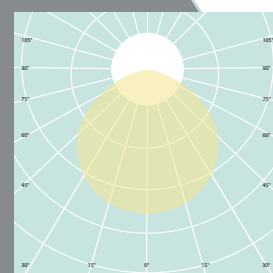
Light distribution curves tempLED RayLance V3 75 | 100 | 145



60 degrees symmetrical



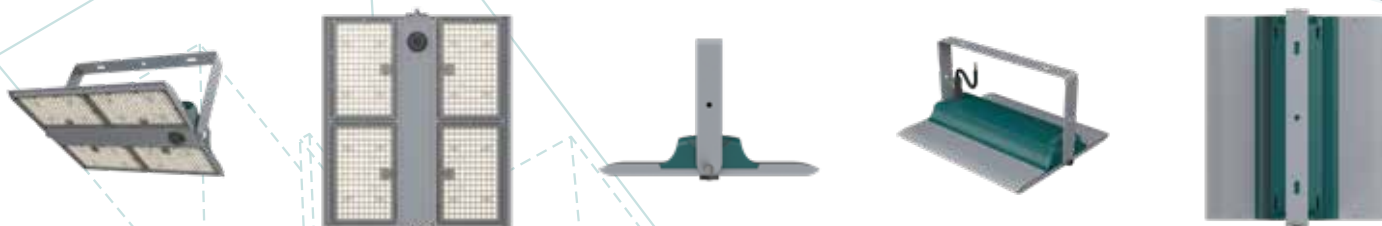
90 degrees symmetrical



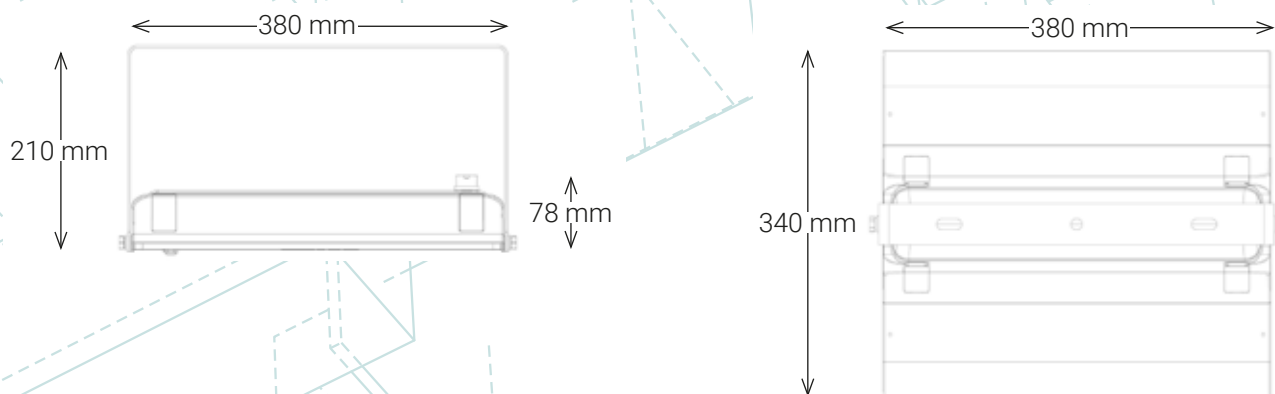
120 degrees symmetrical



tempLED RayLance V3 75 | 100 | 145



Dimensions tempLED RayLance V3 75 | 100 | 145

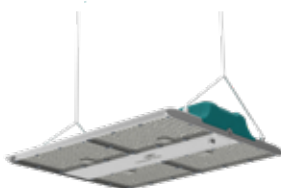


Mounting options tempLED RayLance V3 75 | 100 | 145

bracket mounting¹



pendant mounting²



double and triple mounting³



¹ Adjustment range for surface mounting with standard mounting bracket: 0 to 90 degrees.

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

³ 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 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:	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

¹ 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 ¹
human centric lighting:	on request
daylight harvesting:	optional ²
motion control:	optional ²

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 ³
material of optical system:	impact- and UV-resistant polycarbonate
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:	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 ⁴
conformities:	CE RoHS DIN 10500 (HACCP IFS) ⁵
lifespan (L70B10C1):	approx. 100,000 hours
lifespan (L90B10C1):	approx. 50,000 hours
guarantee:	5 years ⁶
spare part guarantee:	10 years
delievery includes:	luminaire and mounting bracket

¹ can only be used at ambient temperatures from +5 to +50 degrees Celsius. ² can only be used at ambient temperatures from -15 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 ball impact safety certificate only valid in combination with mounting bracket system (article number 932258).

⁵ DIN 10500 only valid in combination with optional upgrade package (article number 384932). ⁶ 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

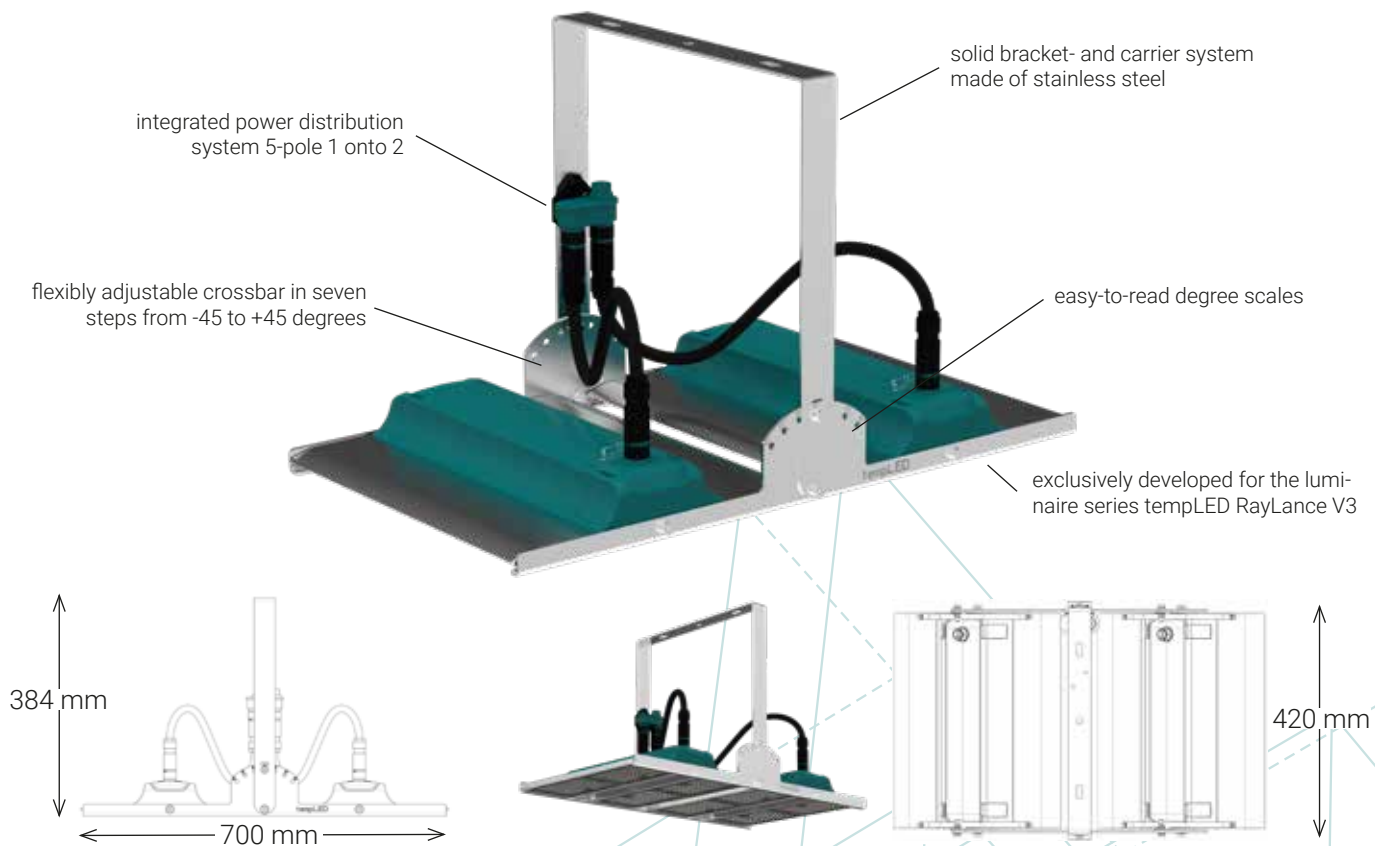
tempLED 145

	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

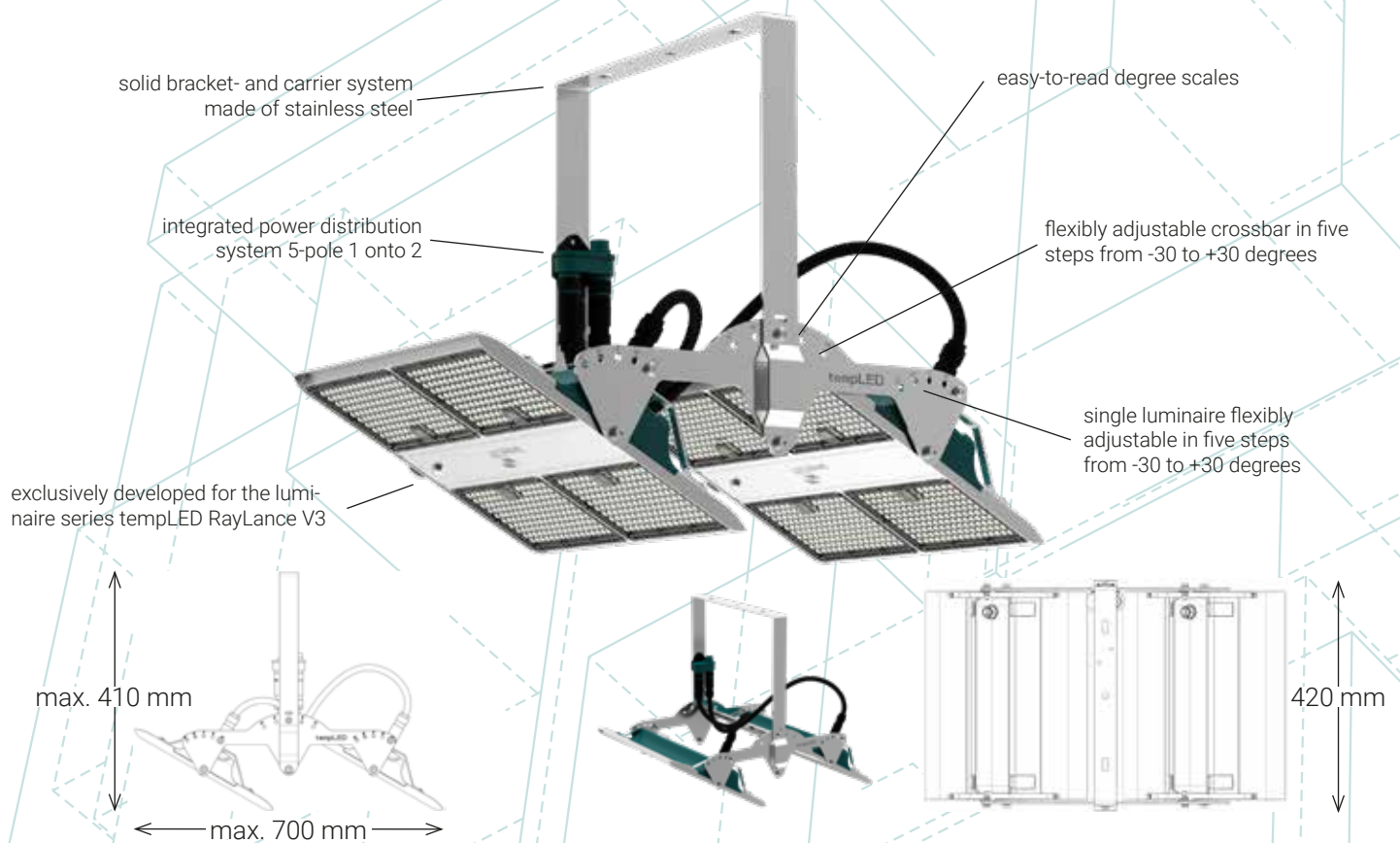
tempLED 145

	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

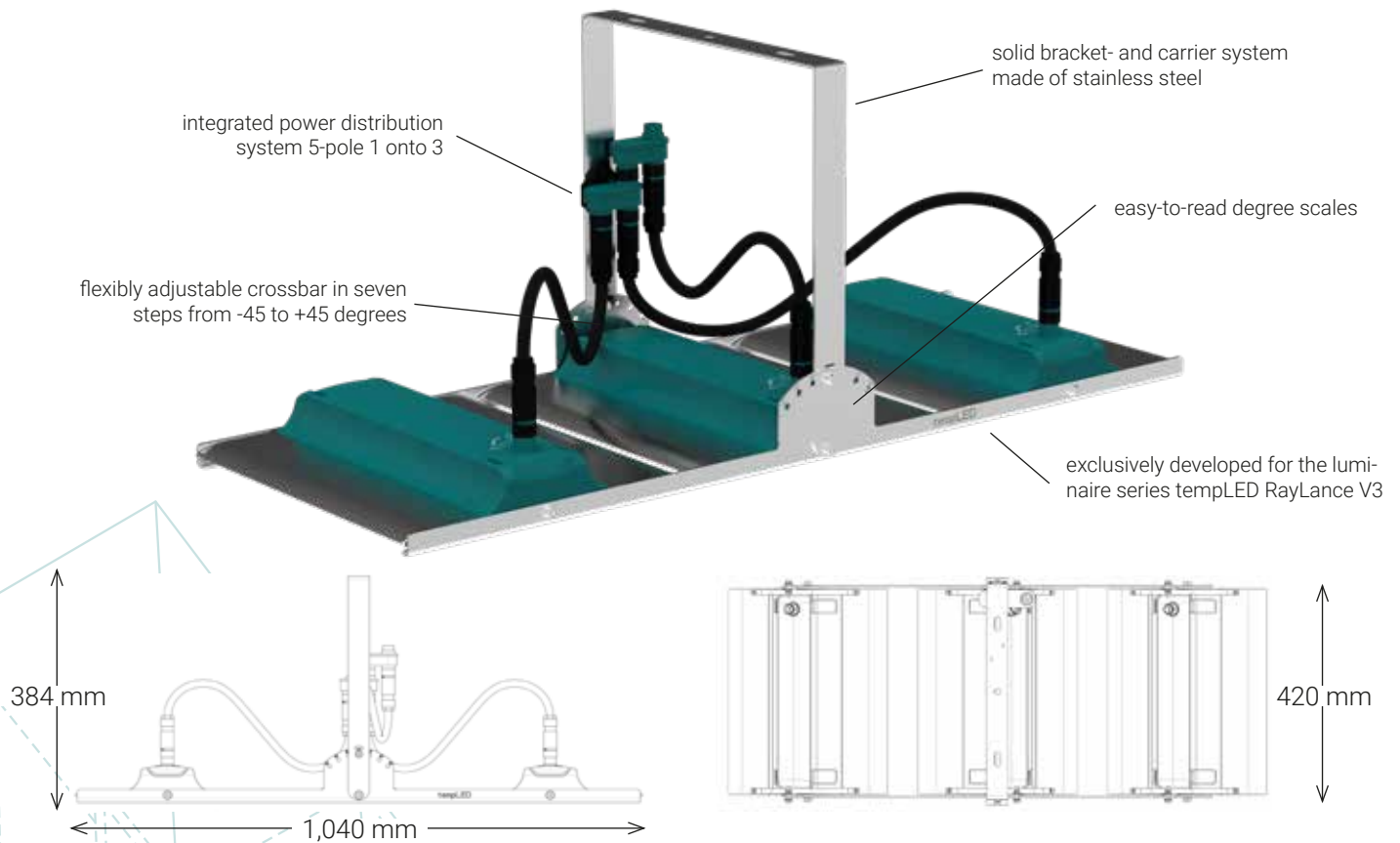
Double holder system tempLED RayLance V3 fixed version



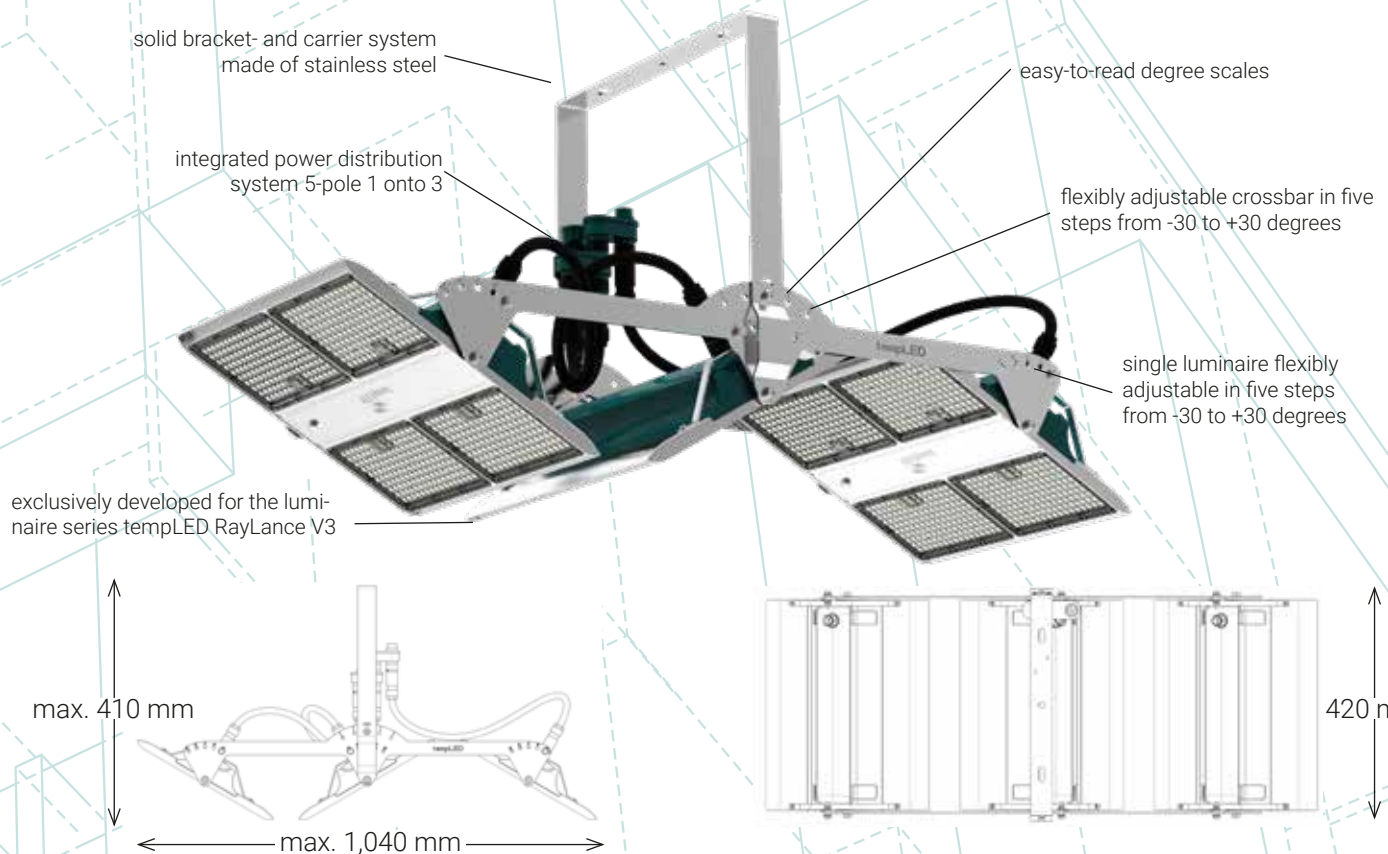
Double holder system tempLED RayLance V3 adjustable version



Triple holder system tempLED RayLance V3 fixed version

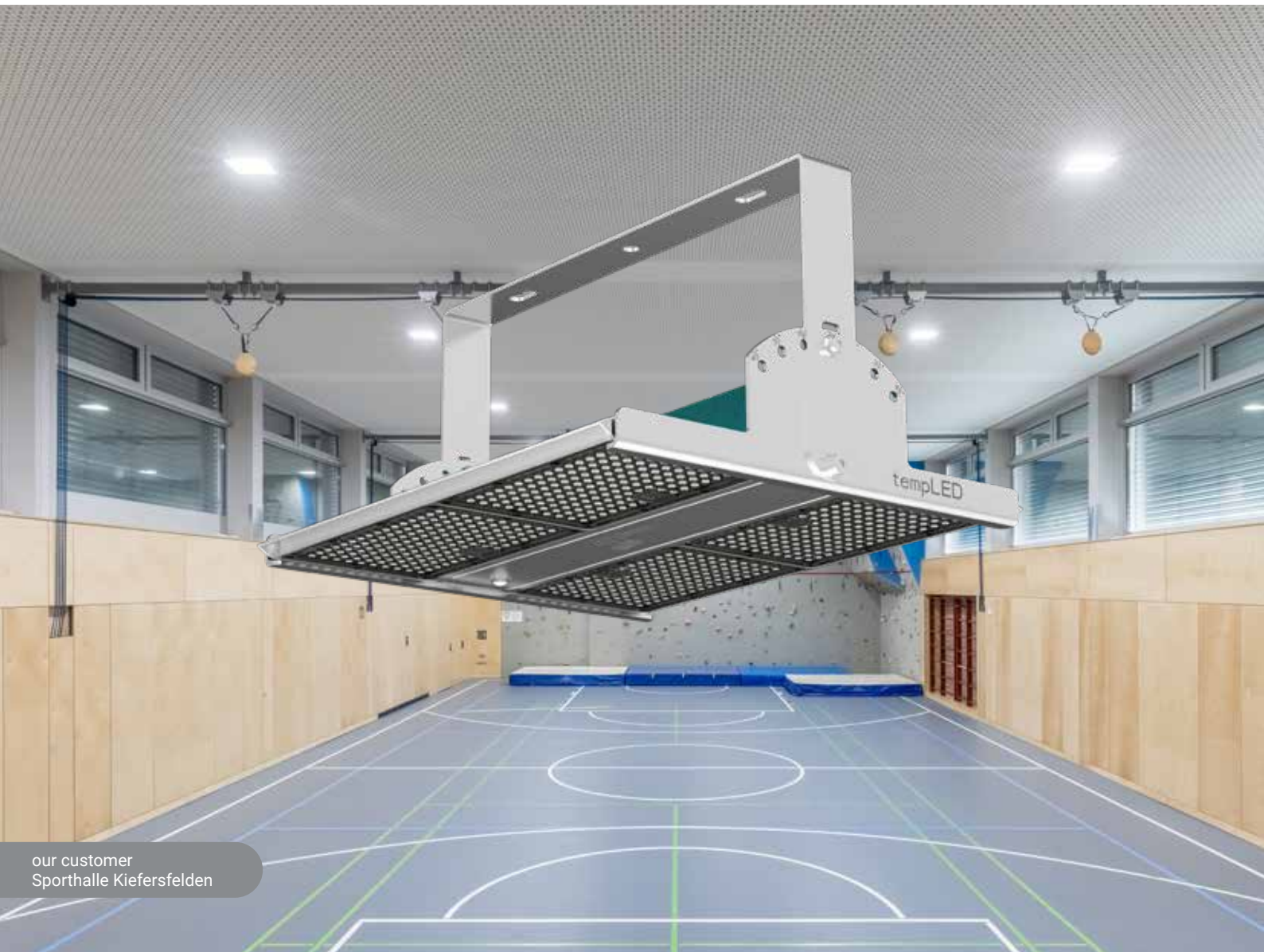
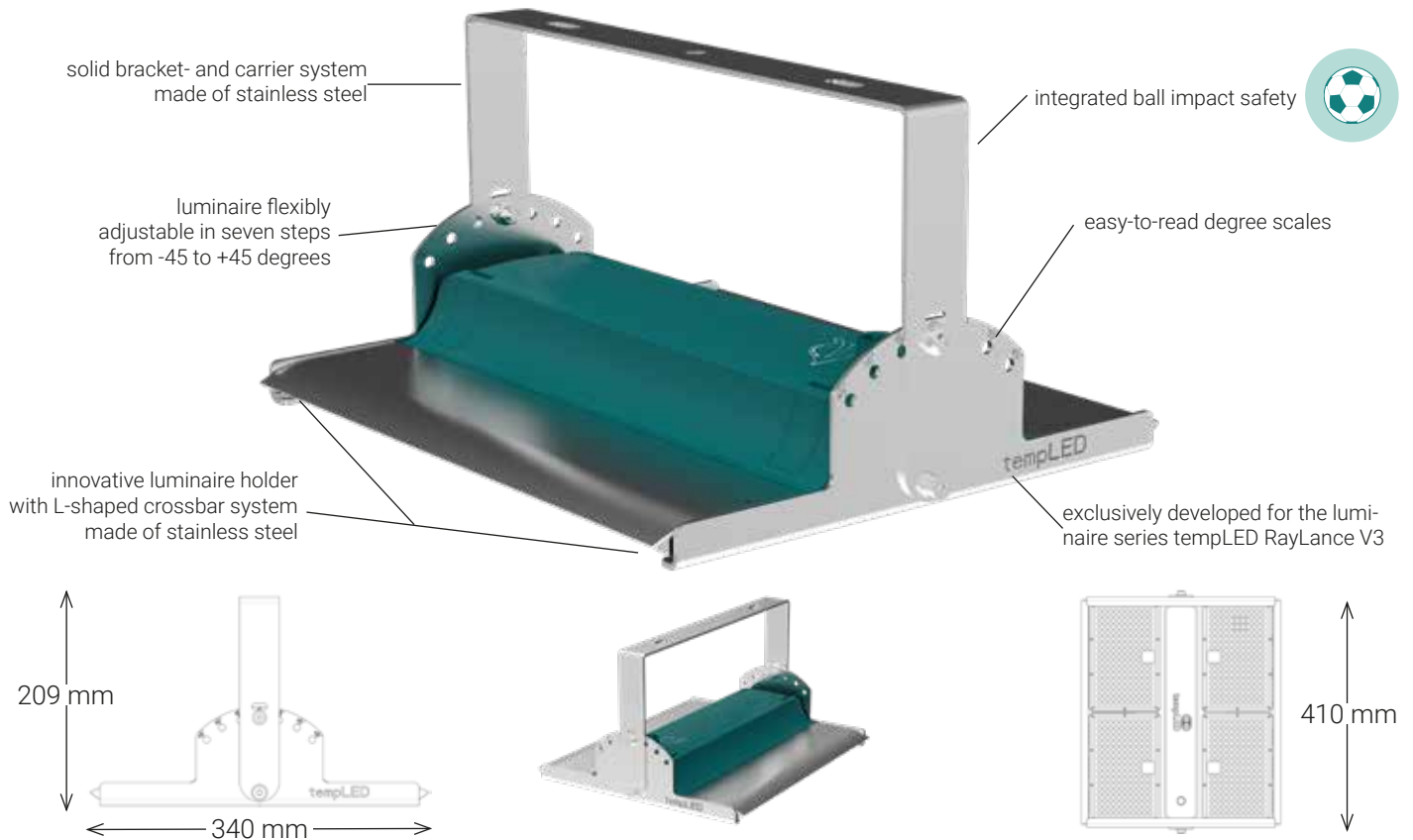


Triple holder system tempLED RayLance V3 adjustable version



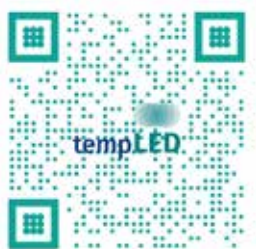
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Mounting bracket system tempLED RayLance V3 with integrated ball impact safety



our customer
Sporthalle Kiefersfelden

tempLED	Accessory catalogue RayLance V3	art.-no.	GTIN / EAN
	4-point rope suspension for pendant mounting complete set consisting of ready-made steel cables and mounting material, material: steel, finish: natural maximum suspension height: 1.00 m maximum suspension height: 3.00 m	933372 933371	4260745232760 4260669199750
	double holder system, fixed 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
	double holder system, adjustable 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
	triple holder system, fixed 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
	double holder system, adjustable 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
	mounting bracket system with ball impact safety 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
	LEDelligence PIR motion detector for the Zhaga-18 socket mounting height: max. 15 meters, detection area: max. 28 x 10 meters (at mounting height 15 meters), aperture angle: 90 x 60 degrees, protection rating: IP 65, ambient temperature range: -15 to +50 degrees Celsius, programming and control via Bluetooth mesh network and app	945400	4260491842251
	LEDelligence light sensor for the Zhaga-18 socket mounting height: max. 15 meters, detection range: 1 to 5,000 lux, protection rating: IP 65, ambient temperature range: -15 to +50 degrees Celsius, programming and control via Bluetooth mesh network and app	090456	6977078990486
	supply cable extension ready-to-use 3-pin supply cable extension up to 10 meters	333903	4260491843760
	upgrade to external DALI control upgrade to 5-pole supply cable with a length of 250 cm for connecting external DALI controls Important note: 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
	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
	upgrade package to DIN 10500 (HACCP / IFS) 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?