tempLED

HALL LIGHTS

tempLED RayLance V2

75 | 100 | 145

HALL LIGHTS 🟡

LIGHTING FOR SPORTS FACILITIES 🟢

Our customer
Voestalpine

tempLED

initial system efficiency up to 180 lm / w

up to 180 lm/w

modular overall structure with exchangeable and replaceable main components

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

Power Factor Correction

CLO optional

DALI 2

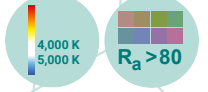Certification for ball impact safety in combination with optional mounting accessories

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

IP 66

pressure compensation membrane to prevent condensation

optional control and safety systems:

CASAMBI

four durable and bright LED light field

4,000 K 5,000 K

Ra >80
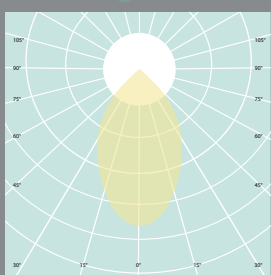
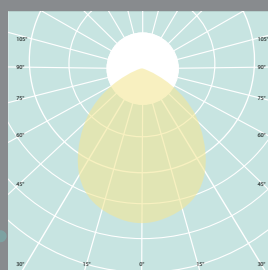impact and UV-resistant high-performance optical system with three practical beam angles and a unified glare rating (UGR) up to < 16
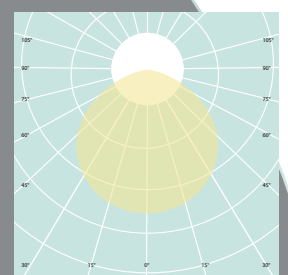
UGR up to < 16

IK08

uv

Light distribution curves tempLED RayLance V2
75 | 100 | 145

60 degrees symmetrical

90 degrees symmetrical

120 degrees symmetrical

tempLED RayLance V2
75 | 100 | 145

Dimensions tempLED RayLance V2
75 | 100 | 145

380 mm

210 mm

78 mm

380 mm

340 mm
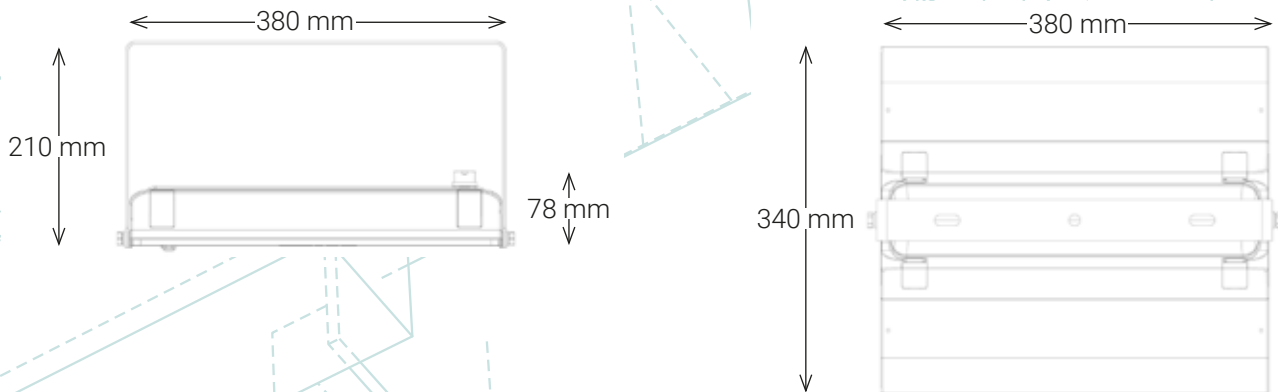
Mounting options tempLED RayLance V2
75 | 100 | 145

bracket mounting[1]
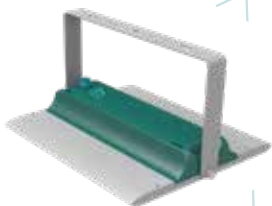
pendant mounting[2]

double and triple mounting[3]

[1] Adjustment range for surface mounting with standard mounting bracket: 0 to 90 degrees.
[2] Suitable mounting material available as accessory (932372).
[3] Suitable mounting material available as accessory (932256/932257).

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General technical data

according to IEC, identical for all types of luminaires
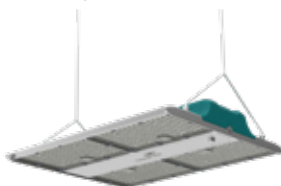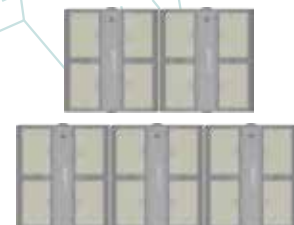
Lighting properties:

initial luminous flux:	13,500 to 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[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
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

Energy characteristics:

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

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.

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Control and safety properties:

dimming:	DALI-2
minimum dimming level:	10 percent
constant lumen output (CLO):	optional
control via the Casambi network:	optional
emergency light module:	optional[1]
human centric lighting:	on request
daylight control system:	optional via the Casambi network

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[2]
material of optical system:	impact- and UV-resistant polycarbonate
luminaire housing color:	white aluminium according to RAL 9006[2]
power supply housing color:	water blue according to RAL 5021[2]
surface finish:	powder coating[2]
supply cable type:	H07RN-F 5G1
supply cable length:	250 cebtimeters
supply cable inlet:	Wieland connector RST20i5
supply cable connection type:	open cable end
number of poles:	3 grid / 2 DALI

Additional information:

certificates:	ENEC	ball impact safety[3]
conformities:	CE	RoHS	DIN 10500 (HACCP | IFS)[4]
lifespan (L70B10C1):	approx. 100,000 hours
lifespan (L90B10C1):	approx. 50,000 hours
guarantee:	5 years[5]
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] optional luminaire housing colors and finishes: Paintings according to RAL colour chart, powder coatings according to RAL colour chart or synthetic resin coating.
[3] ball impact safety certificate only valid in combination with mounting bracket system (article number 932258).
[4] DIN 10500 only valid in combination with optional upgrade package (article number 384932).
[5] according to the warranty conditions of tempLED GmbH, excluding accessories.

Logistic information:

luminaire:	RayLance V2 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

temp**LED**

temp**LED** 75

	RayLance V2 75 - 60	RayLance V2 75 - 90	RayLance V2 75 - 120
article number:	384164	384194	384124
GTIN / EAN:	4260745231565	4260745231589	4260745231541
initial luminous flux:	13,500 lm	13,500 lm	13,500 lm
initial system efficiency:	180 lm/w	180 lm/w	180 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:	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

temp**LED** 75

	RayLance V2 75 - 60	RayLance V2 75 - 90	RayLance V2 75 - 120
article number:	384165	384195	384125
GTIN / EAN:	4260745231572	4260745231596	4260745231558
initial luminous flux:	13,500 lm	13,500 lm	13,500 lm
initial system efficiency:	180 lm/w	180 lm/w	180 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:	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

temp**LED** 100

	RayLance V2 100 - 60	RayLance V2 100 - 90	RayLance V2 100 - 120
article number:	384264	384294	384224
GTIN / EAN:	4260745231626	4260745231640	4260745231602
initial luminous flux:	18,000 lm	18,000 lm	18,000 lm
initial system efficiency:	180 lm/w	180 lm/w	180 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:	0.44 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

temp**LED**

temp**LED** 100

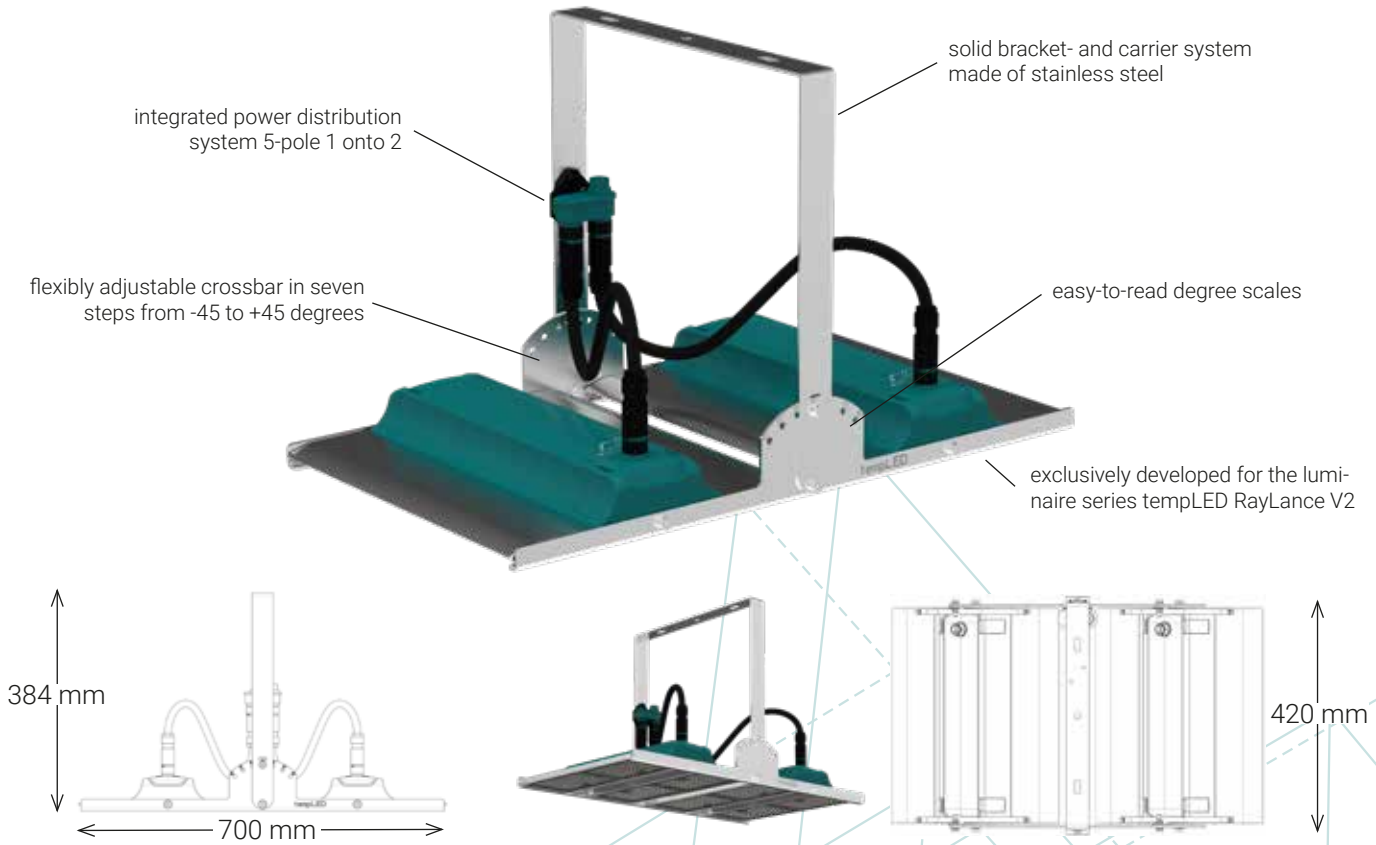|	RayLance V2 100 - 60	RayLance V2 100 - 90	RayLance V2 100 - 120
article number:	384265	384295	384225
GTIN / EAN:	4260745231633	4260745231657	4260745231619
initial luminous flux:	18,000 lm	18,000 lm	18,000 lm
initial system efficiency:	180 lm/w	180 lm/w	180 lm/w
initial, most similar color temperature:	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:	0.44 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

temp**LED** 145

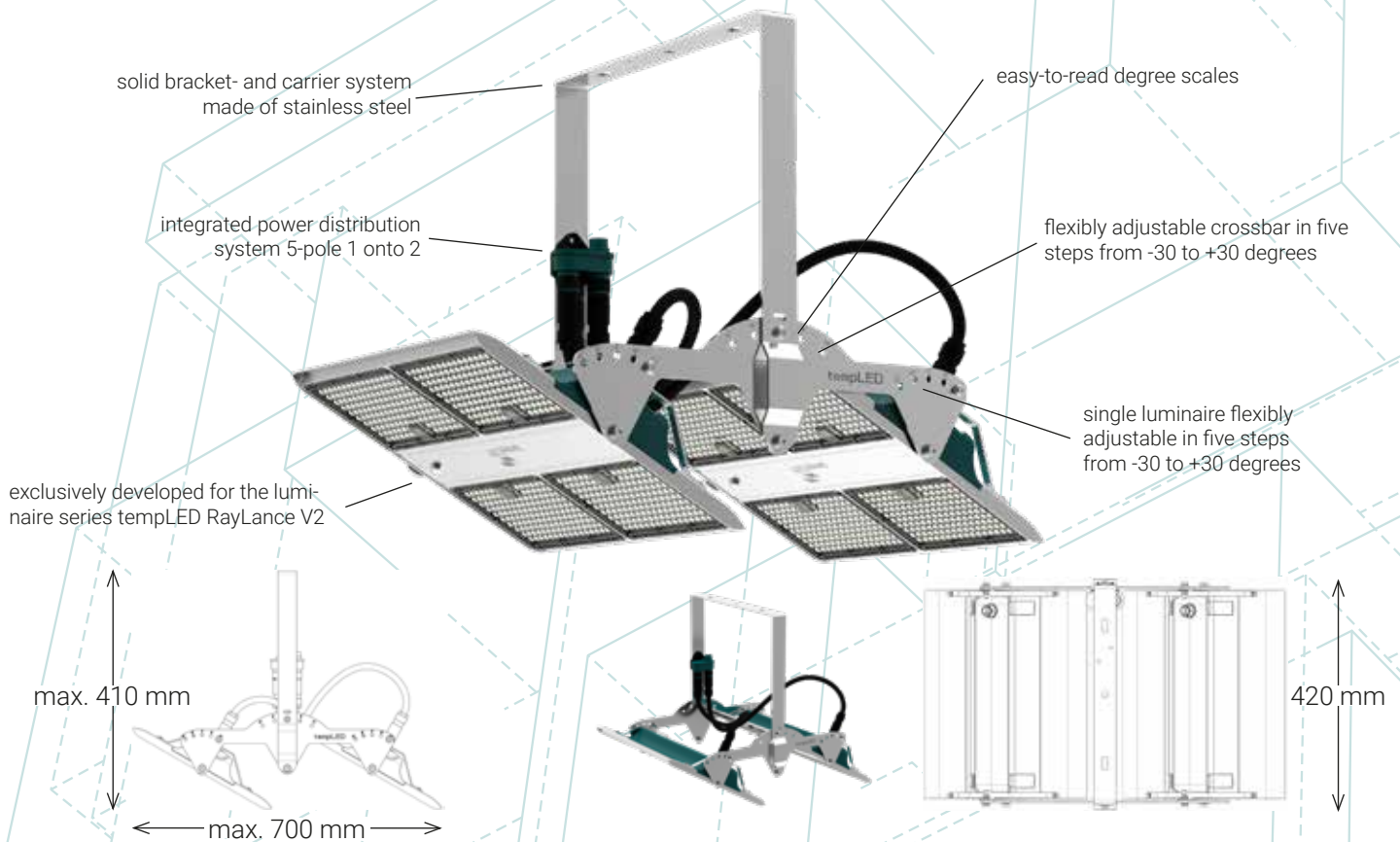|	*STOCK ITEM* RayLance V2 145 - 60	*STOCK ITEM* RayLance V2 145 - 90	RayLance V2 145 - 120
article number:	384364	384394	384324
GTIN / EAN:	4260745231411	4260745231435	4260745231398
initial luminous flux:	26,100 lm	26,100 lm	26,100 lm
initial system efficiency:	180 lm/w	180 lm/w	180 lm/w
initial, most 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:	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

temp**LED** 145

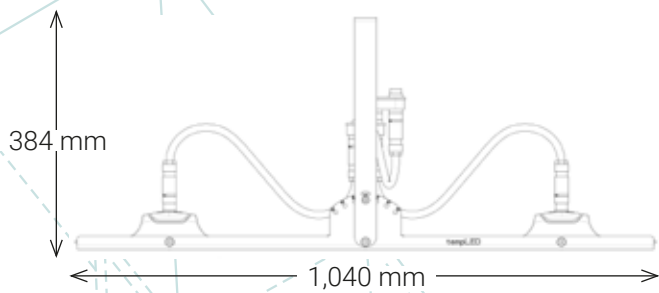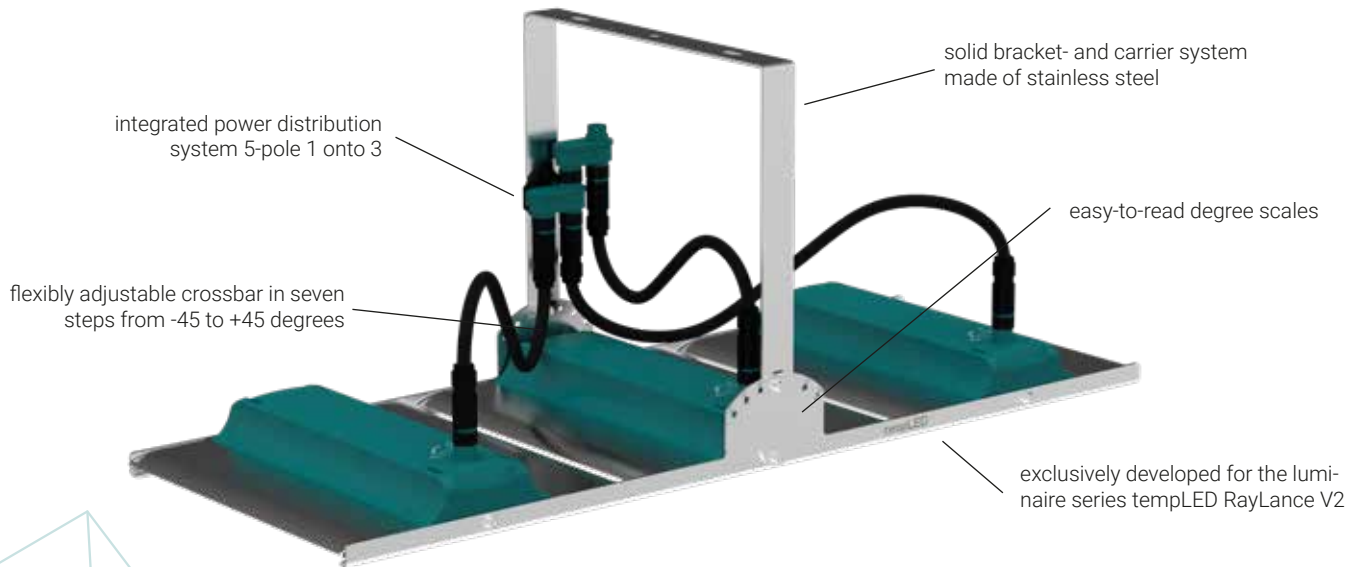|	*STOCK ITEM* RayLance V2 145 - 60	*STOCK ITEM* RayLance V2 145 - 90	RayLance V2 145 - 120
article number:	384365	384395	384325
GTIN / EAN:	4260745231428	4260745231442	4260745231404
initial luminous flux:	26,100 lm	26,100 lm	26,100 lm
initial system efficiency:	180 lm/w	180 lm/w	180 lm/w
initial, most 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:	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

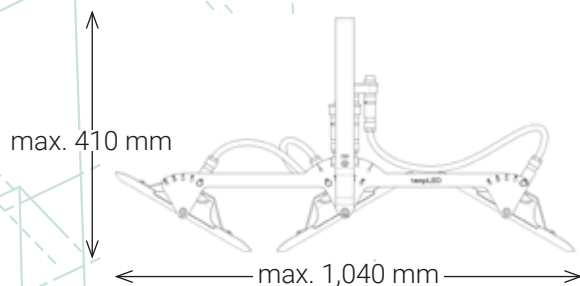# Double holder system tempLED RayLance V2
fixed version

integrated power distribution
system 5-pole 1 onto 2

solid bracket- and carrier system
made of stainless steel

flexibly adjustable crossbar in seven
steps from -45 to +45 degrees

easy-to-read degree scales

exclusively developed for the lumi-
naire series tempLED RayLance V2

384 mm

700 mm

420 mm

Double holder system tempLED RayLance V2
adjustable version

solid bracket- and carrier system
made of stainless steel

easy-to-read degree scales

integrated power distribution
system 5-pole 1 onto 2

flexibly adjustable crossbar in five
steps from -30 to +30 degrees

single luminaire flexibly
adjustable in five steps
from -30 to +30 degrees

exclusively developed for the lumi-
naire series tempLED RayLance V2

max. 410 mm

max. 700 mm
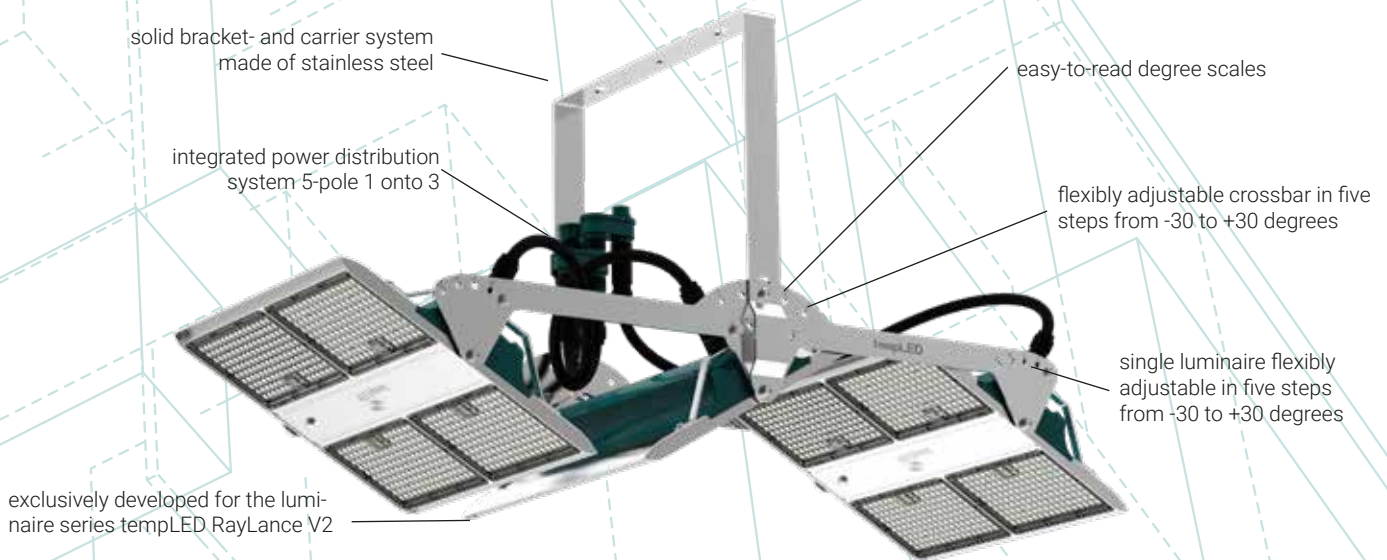
420 mm

Triple holder system tempLED RayLance V2
fixed version

integrated power distribution
system 5-pole 1 onto 3

flexibly adjustable crossbar in seven
steps from -45 to +45 degrees

solid bracket- and carrier system
made of stainless steel

easy-to-read degree scales

exclusively developed for the lumi-
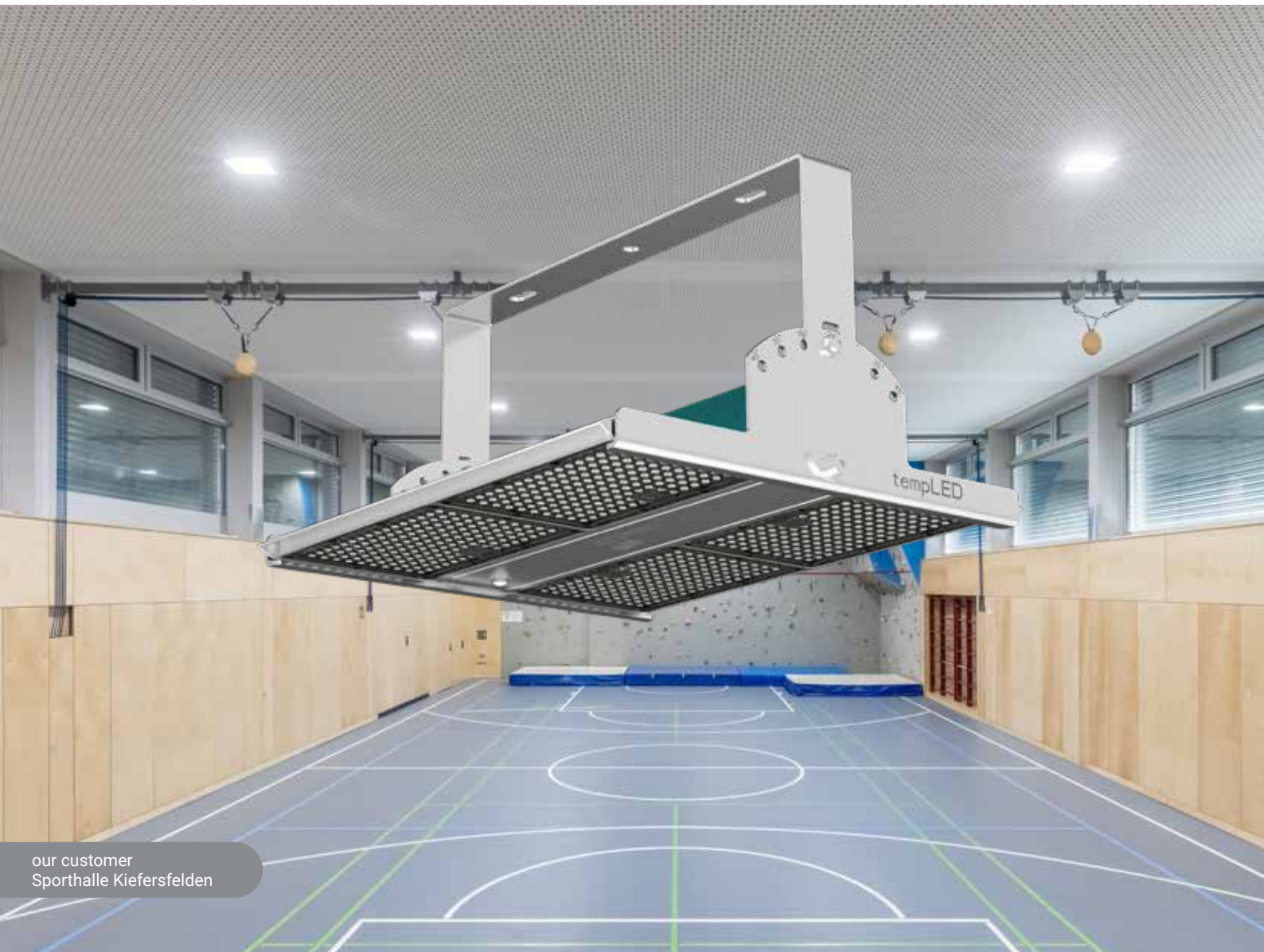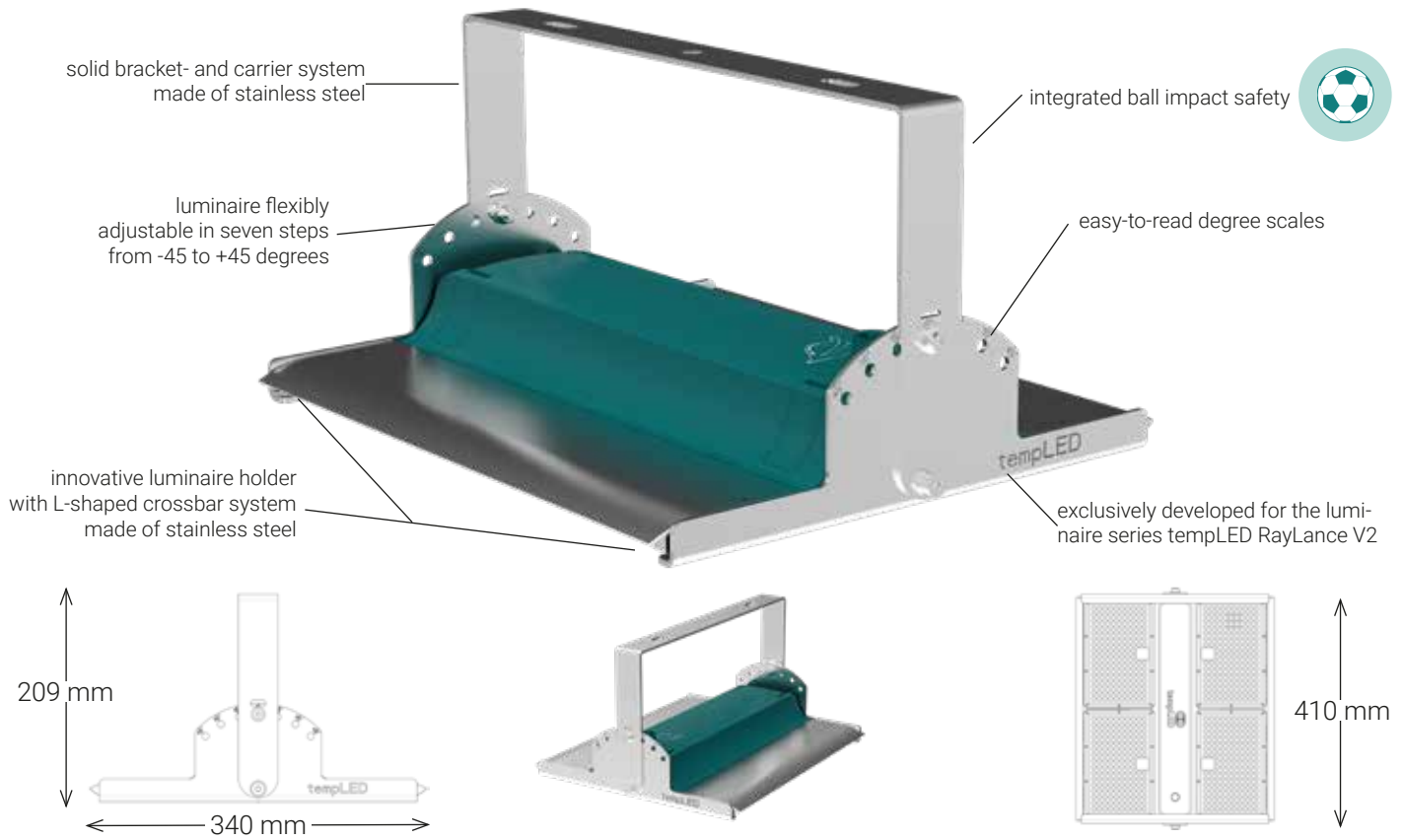naire series tempLED RayLance V2

384 mm

1,040 mm

420 mm

Triple holder system tempLED RayLance V2
adjustable version

solid bracket- and carrier system
made of stainless steel

integrated power distribution
system 5-pole 1 onto 3

easy-to-read degree scales

flexibly adjustable crossbar in five
steps from -30 to +30 degrees

single luminaire flexibly
adjustable in five steps
from -30 to +30 degrees

exclusively developed for the lumi-
naire series tempLED RayLance V2

max. 410 mm

max. 1,040 mm

420 mm

tempLED

Mounting bracket system tempLED RayLance V2
with integrated ball impact safety

solid bracket- and carrier system
made of stainless steel

integrated ball impact safety

luminaire flexibly
adjustable in seven steps
from -45 to +45 degrees

easy-to-read degree scales

innovative luminaire holder
with L-shaped crossbar system
made of stainless steel

exclusively developed for the luminaire series tempLED RayLance V2

209 mm

340 mm

410 mm

temp**LED**

temp**LED**	Accessory catalogue RayLance V2	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
	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	933499	4260491849687
	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
CASAMBI	**Casambi control unit** for integrating and controlling the luminaire via the Casambi network; mounted on the luminaire ready for use	932254	4260745233521
	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 V2 to comply with DIN 10500 (HACCP / IFS)	384932	4260745236829
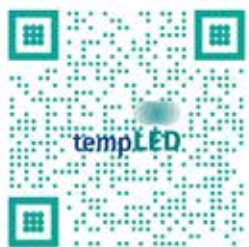
Direct link to the tempLED
download portal

Recycling > 90%

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?