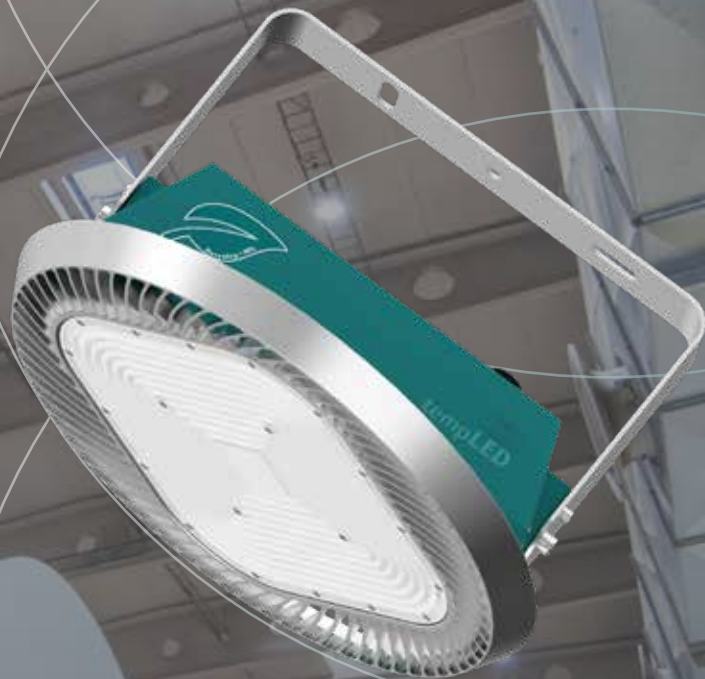


[www.tempLED.de](http://www.tempLED.de)



**tempLED**



HALL LIGHT

# tempLED RayBeam Pro

100 | 145 | 200 | 240 | 300

Our customer  
NorskeSkog

HALL LIGHTS



# tempLED

initial system efficiency up to 170 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)



solid luminaire housing with durable powder coating



powerful, dust-permeable heat sink made of die-cast aluminum



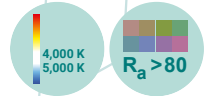
pressure compensation membrane to prevent condensation



optional control and safety systems:



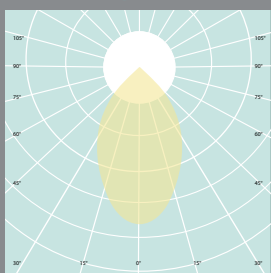
durable and bright LED light field



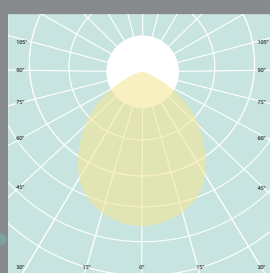
impact and UV-resistant high-performance optical system in linear technology for stray light reduction with three practical beam angles



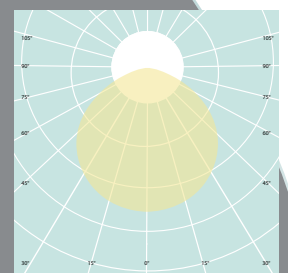
## Light distribution curves tempLED RayBeam Pro 100 | 145 | 200 | 240 | 300



60 degrees symmetrical in linear technology



90 degrees symmetrical in linear technology

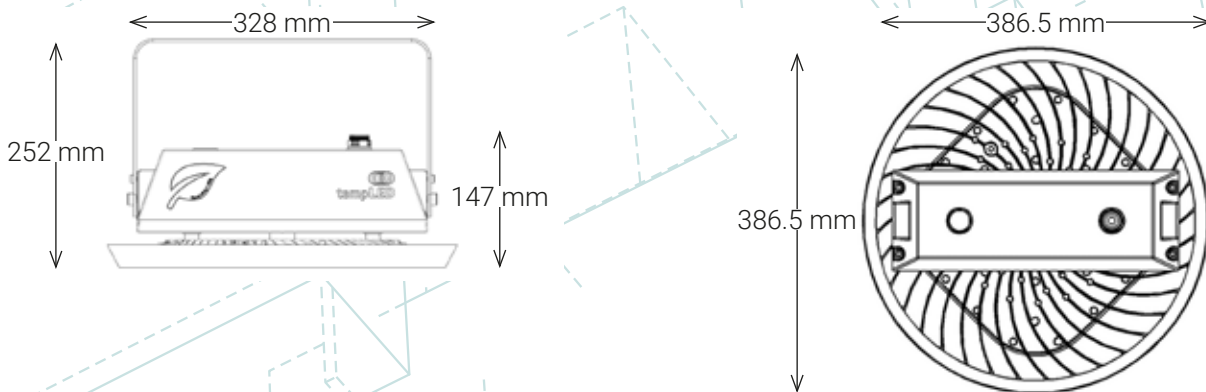


120 degrees symmetrical

**tempLED RayBeam Pro**  
100 | 145 | 200 | 240 | 300



**Dimensions tempLED RayBeam Pro**  
100 | 145 | 200 | 240 | 300

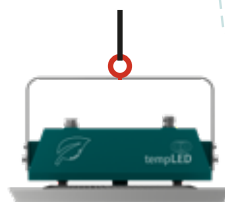


**Mounting options tempLED RayBeam Pro**  
100 | 145 | 200 | 240 | 300

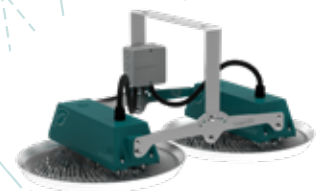
bracket mounting<sup>1,2</sup>



pendant mounting<sup>3</sup>



double mounting<sup>4</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 (932211): 0 to 90 degrees.  
<sup>3</sup> Suitable mounting material available as accessory (932212).  
<sup>4</sup> Suitable mounting material available as accessory (933230).

## General technical data

according to IEC, identical for all types of luminaires



### Lighting properties:

initial luminous flux:	17,000 to 51,000 lumens
luminous flux tolerance:	± 10 percent
initial system efficiency:	up to 170 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
stray light reduction:	yes, with linear technology (at beam angle 60 and 90 degrees)

### Electrotechnical properties:

power supply AC:	90 to 240 volts
supply frequency:	50 / 60 hertz
power supply DC:	140 to 250 volts
system performance:	100 to 300 watts
system performance tolerance:	± 10 percent
power factor:	> 0.95
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 RayBeam Pro: This product contains a light source of energy efficiency class B.

### 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 pendant suspension via mounting eye on ceiling bracket double holder system, fixed

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

**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 <sup>1</sup>
human centric lighting:	on request
daylight control system:	optional via the Casambi network

**Housing properties:**

ambient temperature:	-40 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
material(s) and finish of the standard ceiling bracket:	stainless 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:	H05RN-F 5G1
supply cable length:	200 centimeters
supply cable inlet:	plug connector
supply cable connection type:	open cable end
number of poles:	3 grid / 2 DALI

**Additional information:**

certificates:	ENEC
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
delivery includes:	luminaire and ceiling 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.

**Logistic information:**

luminaire:	RayBeam Pro 100   145   200	RayBeam Pro 240   300
number of luminaires per package:	1	1
number of luminaires per pallet:	32	32
net weight of the luminaire:	5,100 g	6,200 g
gross weight per package:	7,100 g	8,200 g
package dimensions L x W x H:	435 x 435 x 205 mm	435 x 435 x 205 mm

STOCK  
ITEM

tempLED <b>100</b>	RayBeam Pro 100 - 60	RayBeam Pro 100 - 90	RayBeam Lite Pro - 120
article number:	311164	311194	311124
GTIN / EAN:	4260745232197	4260745232203	4260745232210
initial luminous flux:	17,000 lm	17,000 lm	17,000 lm
initial system efficiency:	170 lm/w	170 lm/w	170 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:	180 A	180 A	180 A
dimensions (Ø x H):	386.5 x 227 mm	386.5 x 227 mm	386.5 x 227 mm

STOCK  
ITEM

tempLED <b>100</b>	RayBeam Pro 100 - 60	RayBeam Pro 100 - 90	RayBeam Pro 100 - 120
article number:	311165	311195	311125
GTIN / EAN:	4260745232340	4260745232357	4260745232364
initial luminous flux:	17,000 lm	17,000 lm	17,000 lm
initial system efficiency:	170 lm/w	170 lm/w	170 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:	180 A	180 A	180 A
dimensions (Ø x H):	386.5 x 227 mm	386.5 x 227 mm	386.5 x 227 mm

STOCK  
ITEM

tempLED <b>145</b>	RayBeam Pro 145 - 60	RayBeam Pro 145 - 90	RayBeam Pro 145 - 120
article number:	311264	311294	311224
GTIN / EAN:	4260745232227	4260745232234	4260745232241
initial luminous flux:	24,650 lm	24,650 lm	24,650 lm
initial system efficiency:	170 lm/w	170 lm/w	170 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:	125 A	125 A	125 A
dimensions (Ø x H):	386.5 x 227 mm	386.5 x 227 mm	386.5 x 227 mm

tempLED **145**

	RayBeam Pro 145 - 60	RayBeam Pro 145 - 90	RayBeam Pro 145 - 120
article number:	311265	311295	311225
GTIN / EAN:	4260745232371	4260745232388	4260745232395
initial luminous flux:	24,650 lm	24,650 lm	24,650 lm
initial system efficiency:	170 lm/w	170 lm/w	170 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:	125 A	125 A	125 A
dimensions (Ø x H):	386.5 x 227 mm	386.5 x 227 mm	386.5 x 227 mm

STOCK  
ITEMtempLED **200**

	RayBeam Pro 200 - 60	RayBeam Pro 200 - 90	RayBeam Pro 200 - 120
article number:	311364	311394	311324
GTIN / EAN:	4260745232258	4260745232265	4260745232272
initial luminous flux:	34,000 lm	34,000 lm	34,000 lm
initial system efficiency:	170 lm/w	170 lm/w	170 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:	200 W	200 W	200 W
power consumption:	0.87 A	0.87 A	0.87 A
maximum inrush current:	110 A	110 A	110 A
dimensions (Ø x H):	386.5 x 227 mm	386.5 x 227 mm	386.5 x 227 mm

STOCK  
ITEMSTOCK  
ITEMtempLED **200**

	RayBeam Pro 200 - 60	RayBeam Pro 200 - 90	RayBeam Pro 200 - 120
article number:	311365	311395	311325
GTIN / EAN:	4260745232401	4260745232418	4260745232425
initial luminous flux:	34,000 lm	34,000 lm	34,000 lm
initial system efficiency:	170 lm/w	170 lm/w	170 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:	200 W	200 W	200 W
power consumption:	0.87 A	0.87 A	0.87 A
maximum inrush current:	110 A	110 A	110 A
dimensions (Ø x H):	386.5 x 227 mm	386.5 x 227 mm	386.5 x 227 mm

STOCK  
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ITEM

## tempLED 240

STOCK  
ITEM

## RayBeam Pro 240 - 60

STOCK  
ITEM

## RayBeam Pro 240 - 90

## RayBeam Lite Pro - 120

article number:	311464	311494	311424
GTIN / EAN:	4260745232289	4260745232296	4260745232302
initial luminous flux:	40,800 lm	40,800 lm	40,800 lm
initial system efficiency:	170 lm/w	170 lm/w	170 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:	240 W	240 W	240 W
power consumption:	1.04 A	1.04 A	1.04 A
maximum inrush current:	58 A	58 A	58 A
dimensions (Ø x H):	386.5 x 227 mm	386.5 x 227 mm	386.5 x 227 mm

## tempLED 240

STOCK  
ITEM

## RayBeam Pro 240 - 60

STOCK  
ITEM

## RayBeam Pro 240 - 90

## RayBeam Pro 240 - 120

article number:	311465	311495	311425
GTIN / EAN:	4260745232432	4260745232449	4260745232456
initial luminous flux:	40,800 lm	40,800 lm	40,800 lm
initial system efficiency:	170 lm/w	170 lm/w	170 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:	240 W	240 W	240 W
power consumption:	1.04 A	1.04 A	1.04 A
maximum inrush current:	58 A	58 A	58 A
dimensions (Ø x H):	386.5 x 227 mm	386.5 x 227 mm	386.5 x 227 mm

## tempLED 300

STOCK  
ITEM

## RayBeam Pro 300 - 60

STOCK  
ITEM

## RayBeam Pro 300 - 90

## RayBeam Pro 300 - 120

article number:	311564	311594	311524
GTIN / EAN:	4260745232319	4260745232326	4260745232333
initial luminous flux:	51,000 lm	51,000 lm	51,000 lm
initial system efficiency:	170 lm/w	170 lm/w	170 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:	300 W	300 W	300 W
power consumption:	1.30 A	1.30 A	1.30 A
maximum inrush current:	12.4 A	12.4 A	12.4 A
dimensions (Ø x H):	386.5 x 227 mm	386.5 x 227 mm	386.5 x 227 mm



## tempLED 300

STOCK  
ITEM

## RayBeam Pro 300 - 60

STOCK  
ITEM

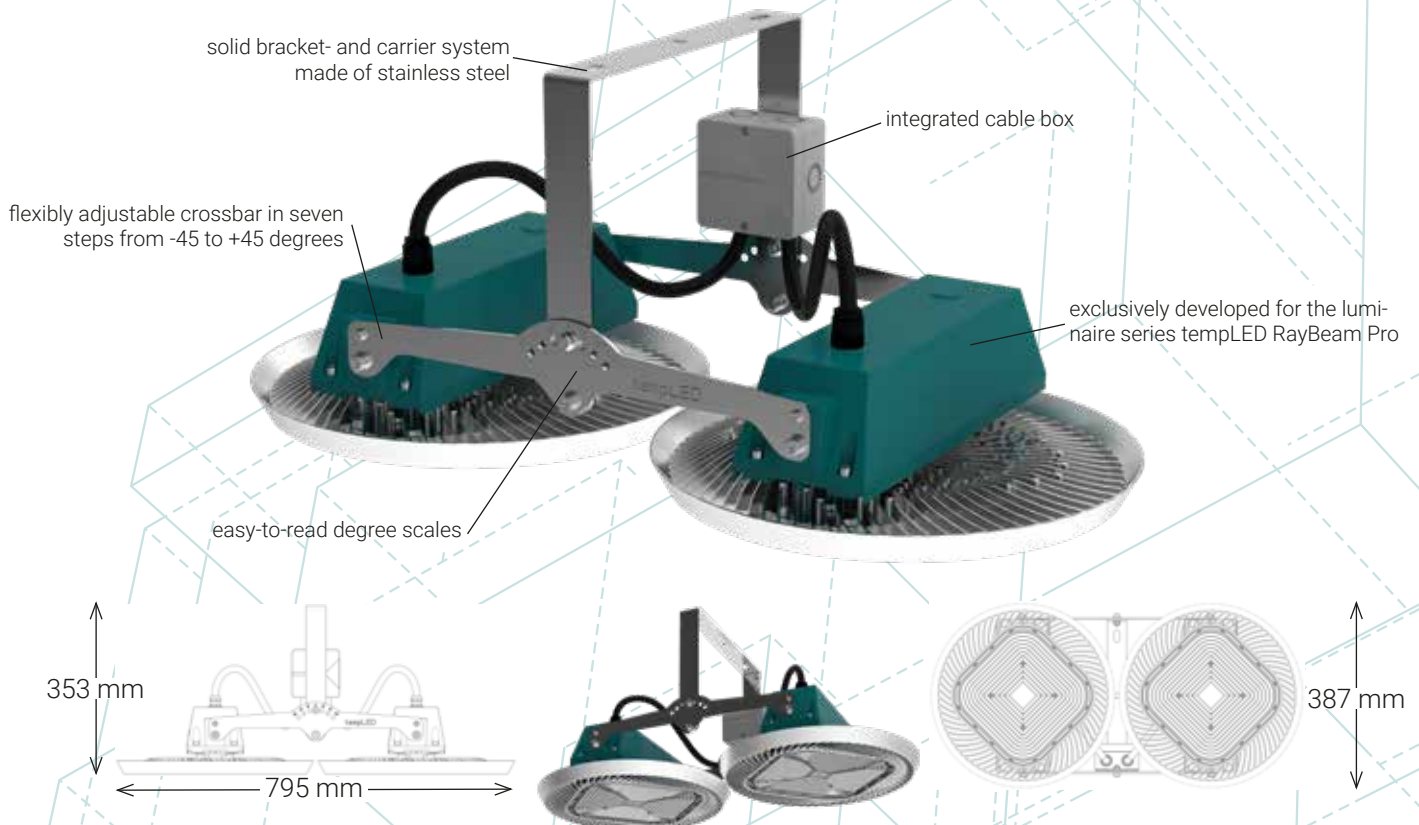
## RayBeam Pro 300 - 90










## RayBeam Pro 300 - 120

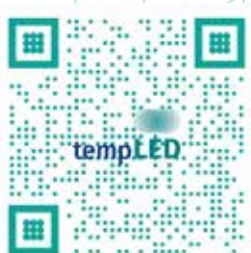
article number:	311565	311595	311525
GTIN / EAN:	4260745232463	4260745232470	4260745232487
initial luminous flux:	51,000 lm	51,000 lm	51,000 lm
initial system efficiency:	170 lm/w	170 lm/w	170 lm/w
initial, most similar color temperature:	5,000 K	5,000 K	5,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	60 degrees	90 degrees	120 degrees
dimming / control:	DALI-2	DALI-2	DALI-2
system performance:	300 W	300 W	300 W
power consumption:	1.30 A	1.30 A	1.30 A
maximum inrush current:	12.4 A	12.4 A	12.4 A
dimensions (Ø x H):	386.5 x 227 mm	386.5 x 227 mm	386.5 x 227 mm

## Double holder system tempLED RayBeam Pro fixed version

With our double holder system developed exclusively for this luminaire series you can bring twice the light output to one mounting point quickly, easily and cost-effectively.



tempLED	Accessory catalogue RayBeam Pro	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	932211	4260745233453
	<b>mounting eyelet</b> for pendant mounting mounting eyelet M10 for screw attachment to ceiling bracket, inner Ø: 25 mm, outer Ø: 45 mm, material eyelet and nut: steel, finish: galvanised, material washer: stainless steel, finish: natural	932212	4260745233460
	<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. cable box	933230	4260745234962
	<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 5-pin supply cable extension up to 10 meters	933499	4260491849687
	<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>Casambi control unit</b> for integrating and controlling the luminaire via the Casambi network; mounted on the luminaire ready for use	932249	4260745233507
	<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	311900	4260745237277



Direct link to the tempLED  
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?