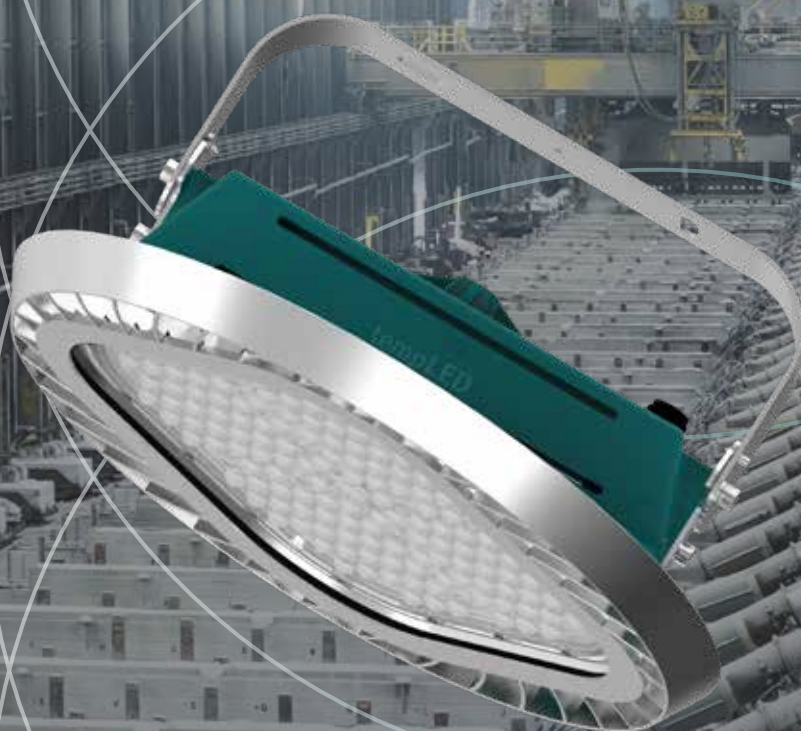


[www.tempLED.de](http://www.tempLED.de)

  
**tempLED**



HIGH TEMPERATURE HALL LIGHT

**tempLED RayBeam Pro V2 HT**

100 | 150 | 200 | 240

Our customer  
Trimet

HALL LIGHTS   
HIGH TEMPERATURES 

# tempLED

initial system efficiency  
170 lm / w



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



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



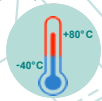
modular overall structure  
with exchangeable and repla-  
ceable main components



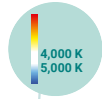
pressure compensation mem-  
brane to prevent condensation



solid luminaire housing optimi-  
zed for high-temperature sur-  
roundings up to **+80° Celsius**



durable and bright  
LED light field



impact and UV-resistant high-  
performance optical system  
with three practical beam angles



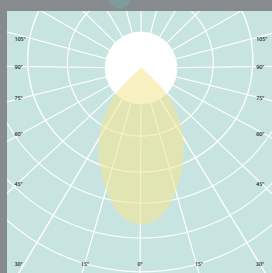
impact-resistant cover  
plate made of 5 mm  
toughened safety glass



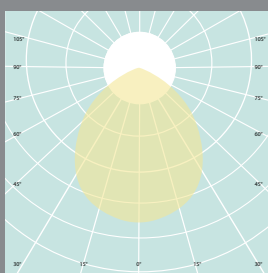
optional control  
and safety systems:



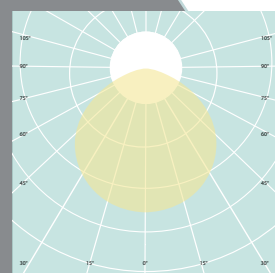
## Light distribution curves tempLED RayBeam Pro V2 HT 100 | 150 | 200 | 240



60 degrees symmetrical  
optical system



90 degrees symmetrical  
optical system



120 degrees symmetrical



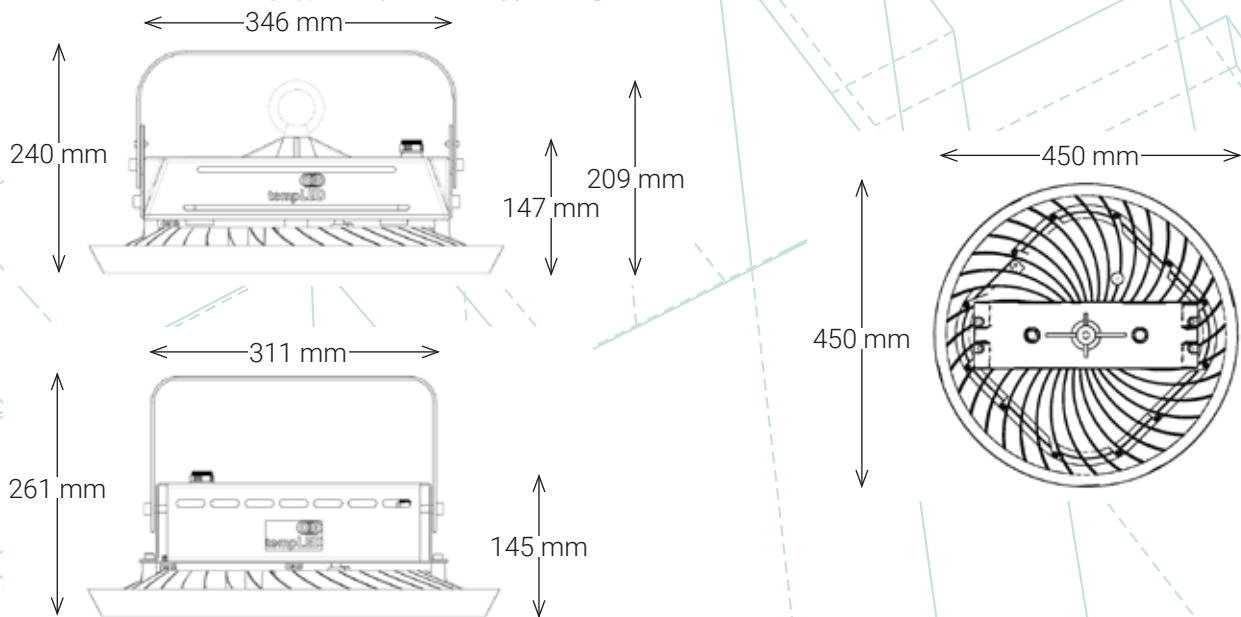
## tempLED RayBeam Pro V2 HT 100 | 150 | 200



## tempLED RayBeam Pro V2 HT 240



## Dimensions tempLED RayBeam Pro V2 HT 100 | 150 | 200 | 240



## Mounting options tempLED RayBeam Pro V2 HT 100 | 150 | 200 | 240

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



pendant mounting<sup>3</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 (934039): 0 to 90 degrees.

<sup>3</sup> only for tempLED RayBeam Pro V2 100, 150 and 200 HT.

## General technical data

according to IEC, identical for all types of luminaires



### Lighting properties:

|                                          |                                            |
|------------------------------------------|--------------------------------------------|
| initial luminous flux:                   | 17,000 to 40,800 lumens                    |
| luminous flux tolerance:                 | ± 10 percent                               |
| initial system efficiency:               | 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                                  |

### Electrotechnical properties:

|                                    |                               |
|------------------------------------|-------------------------------|
| power supply AC:                   | 90 to 240 volts <sup>2</sup>  |
| supply frequency:                  | 50 / 60 hertz                 |
| power supply DC:                   | 127 to 250 volts <sup>3</sup> |
| system performance:                | 100 to 240 watts              |
| system performance tolerance:      | ± 10 percent                  |
| power factor:                      | > 0.93                        |
| overvoltage protection:            | yes                           |
| overheating protection:            | yes                           |
| temperature monitoring:            | yes                           |
| total harmonic distortion (THD):   | < 20 percent                  |
| temperature classification (ATEX): | T5                            |
| Tc - temperature:                  | +89 degrees Celsius           |

### Energy characteristics:

|                                          |                                                                    |
|------------------------------------------|--------------------------------------------------------------------|
| Valid for all tempLED RayBeam Pro V2 HT: | 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<br>pendant mounting with mounting eyelet (100 / 150 / 200 watts only) |
| optional mounting options: | wall bracket with adjustment range 0 to 90 degrees 934039 / 934258<br>crane mounting via crane mounting kit 932810             |

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

<sup>2</sup> power supply 277 to 480 VAC, 50/60 Hz on request.

<sup>3</sup> power supply 352 to 500 VDC on request.

**Control and safety properties:**

|                              |                       |
|------------------------------|-----------------------|
| dimming:                     | DALI-2                |
| minimum dimming level:       | 10 percent            |
| constant lumen output (CLO): | optional              |
| emergency light module:      | optional <sup>1</sup> |
| human centric lighting:      | on request            |

**Housing properties:**

|                                                         |                                                                                      |
|---------------------------------------------------------|--------------------------------------------------------------------------------------|
| ambient temperature:                                    | -40 to +80 degrees Celsius                                                           |
| ingress protection:                                     | IP 66                                                                                |
| impact resistance level:                                | IK08                                                                                 |
| electrical protection class:                            | I                                                                                    |
| limited surface temperature (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                                               |
| cover plate material:                                   | 5 mm impact-resistant toughened safety glass, clear                                  |
| 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>3</sup>                                                          |
| supply cable type:                                      | H05SS-F 5G1                                                                          |
| supply cable length:                                    | 250 centimeters                                                                      |
| supply cable inlet:                                     | plug connector                                                                       |
| supply cable connection type:                           | open cable end                                                                       |
| number of poles:                                        | 3 grid / 2 DALI                                                                      |

**Additional information:**

|                                              |                                                                               |
|----------------------------------------------|-------------------------------------------------------------------------------|
| certificates:                                | ENEC in preparation                                                           |
| conformities:                                | CE and RoHS                                                                   |
| lifespan (L70B10C1) @ Ta 25 degrees Celsius: | approx. 100,000 hours                                                         |
| lifespan (L70B10C1) @ Ta 80 degrees Celsius: | approx. 80,000 hours                                                          |
| lifespan (L90B10C1) @ Ta 25 degrees Celsius: | approx. 50,000 hours                                                          |
| guarantee:                                   | 5 years <sup>3</sup>                                                          |
| spare part guarantee:                        | 10 years                                                                      |
| delivery includes:                           | luminaire, ceiling bracket, fall protection and mounting eyelet if applicable |

<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 V2 100   150   200   240 HT |
| number of luminaires per package: | 1                                       |
| number of luminaires per pallet:  | 28                                      |
| net weight of the luminaire:      | 9,500 g                                 |
| gross weight per package:         | 11,500 g                                |
| package dimensions L x W x H:     | 510 x 510 x 270 mm                      |

## tempLED 100

|                                          | RayBeam Pro V2 100 - 60 HT | RayBeam Pro V2 100 - 90 HT | RayBeam Pro V2 100 - 120 HT |
|------------------------------------------|----------------------------|----------------------------|-----------------------------|
| article number:                          | 342164                     | 342194                     | 342124                      |
| GTIN / EAN:                              | 4260745239486              | 4260745239509              | 4260745239462               |
| 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:                       | 0.45 A                     | 0.45 A                     | 0.45 A                      |
| maximum inrush current:                  | 24 A                       | 24 A                       | 24 A                        |
| dimensions (Ø x H):                      | 450 x 240 mm               | 450 x 240 mm               | 450 x 240 mm                |

## tempLED 100

|                                          | RayBeam Pro V2 100 - 60 HT | RayBeam Pro V2 100 - 90 HT | RayBeam Pro V2 100 - 120 HT |
|------------------------------------------|----------------------------|----------------------------|-----------------------------|
| article number:                          | 342165                     | 342195                     | 342125                      |
| GTIN / EAN:                              | 4260745239493              | 4260745239516              | 4260745239479               |
| 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:                       | 0.45 A                     | 0.45 A                     | 0.45 A                      |
| maximum inrush current:                  | 24 A                       | 24 A                       | 24 A                        |
| dimensions (Ø x H):                      | 450 x 240 mm               | 450 x 240 mm               | 450 x 240 mm                |

## tempLED 150

|                                          | RayBeam Pro V2 150 - 60 HT | RayBeam Pro V2 150 - 90 HT | RayBeam Pro V2 150 - 120 HT |
|------------------------------------------|----------------------------|----------------------------|-----------------------------|
| article number:                          | 342264                     | 342294                     | 342224                      |
| GTIN / EAN:                              | 4260745239547              | 4260745239561              | 4260745239523               |
| initial luminous flux:                   | 25,500 lm                  | 25,500 lm                  | 25,500 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:                      | 150 W                      | 150 W                      | 150 W                       |
| power consumption:                       | 0.70 A                     | 0.70 A                     | 0.70 A                      |
| maximum inrush current:                  | 24 A                       | 24 A                       | 24 A                        |
| dimensions (Ø x H):                      | 450 x 240 mm               | 450 x 240 mm               | 450 x 240 mm                |

## tempLED 150

|                                          | RayBeam Pro V2 150 - 60 HT | RayBeam Pro V2 150 - 90 HT | RayBeam Pro V2 150 - 120 HT |
|------------------------------------------|----------------------------|----------------------------|-----------------------------|
| article number:                          | 342265                     | 342295                     | 342225                      |
| GTIN / EAN:                              | 4260745239554              | 4260745239578              | 4260745239530               |
| initial luminous flux:                   | 25,500 lm                  | 25,500 lm                  | 25,500 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:                      | 150 W                      | 150 W                      | 150 W                       |
| power consumption:                       | 0.70 A                     | 0.70 A                     | 0.70 A                      |
| maximum inrush current:                  | 24 A                       | 24 A                       | 24 A                        |
| dimensions (Ø x H):                      | 450 x 240 mm               | 450 x 240 mm               | 450 x 240 mm                |

## tempLED 200



|                                          | RayBeam Pro V2 200 - 60 HT | RayBeam Pro V2 200 - 90 HT | RayBeam Pro V2 200 - 120 HT |
|------------------------------------------|----------------------------|----------------------------|-----------------------------|
| article number:                          | 342364                     | 342394                     | 342324                      |
| GTIN / EAN:                              | 4260745239608              | 4260745239622              | 4260745239585               |
| 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:                       | 0.90 A                     | 0.90 A                     | 0.90 A                      |
| maximum inrush current:                  | 24 A                       | 24 A                       | 24 A                        |
| dimensions (Ø x H):                      | 450 x 240 mm               | 450 x 240 mm               | 450 x 240 mm                |

## tempLED 200



|                                          | RayBeam Pro V2 200 - 60 HT | RayBeam Pro V2 200 - 90 HT | RayBeam Pro V2 200 - 120 HT |
|------------------------------------------|----------------------------|----------------------------|-----------------------------|
| article number:                          | 342365                     | 342395                     | 342325                      |
| GTIN / EAN:                              | 4260745239615              | 4260745239639              | 4260745239592               |
| 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:                       | 0.90 A                     | 0.90 A                     | 0.90 A                      |
| maximum inrush current:                  | 24 A                       | 24 A                       | 24 A                        |
| dimensions (Ø x H):                      | 450 x 240 mm               | 450 x 240 mm               | 450 x 240 mm                |

## tempLED 240

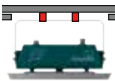
|                                          | RayBeam Pro V2 240 - 60 HT | RayBeam Pro V2 240 - 90 HT | RayBeam Pro V2 240 - 120 HT |
|------------------------------------------|----------------------------|----------------------------|-----------------------------|
| article number:                          | 342464                     | 342494                     | 342424                      |
| GTIN / EAN:                              | 4260745239660              | 4260745239684              | 4260745239646               |
| 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:                  | 24 A                       | 24 A                       | 24 A                        |
| dimensions (Ø x H):                      | 450 x 261 mm               | 450 x 261 mm               | 450 x 261 mm                |

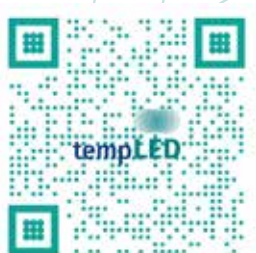
## tempLED 240

|                                          | RayBeam Pro V2 240 - 60 HT | RayBeam Pro V2 240 - 90 HT | RayBeam Pro V2 240 - 120 HT |
|------------------------------------------|----------------------------|----------------------------|-----------------------------|
| article number:                          | 342465                     | 342495                     | 342425                      |
| GTIN / EAN:                              | 4260745239677              | 4260745239691              | 4260745239653               |
| 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:                  | 24 A                       | 24 A                       | 24 A                        |
| dimensions (Ø x H):                      | 450 x 261 mm               | 450 x 261 mm               | 450 x 261 mm                |





| tempLED                                                                             | Accessory catalogue RayBeam Pro V2 HT                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | art.-no.         | GTIN / EAN                     |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------------------|
|    | <b>wall bracket</b><br>surface bracket for wall mounting, adjustment range of the luminaire: 0 to 90 degrees, material: stainless steel, finish: natural<br><b>suitable for tempLED RayBeam Pro V2 100, 150 and 200 HT</b><br><b>suitable for tempLED RayBeam Pro V2 240 HT</b>                                                                                                                                                                                                                           | 934039<br>934258 | 4260669194311<br>4260745238823 |
|    | <b>crane mounting kit</b> with two attachment points<br>with rubber buffer shock-absorbing installation device for luminaire mounting on vibration-loaded crane systems, size: M10, material: stainless steel, finish: natural, delivery includes fall protection                                                                                                                                                                                                                                         | 932810           | 4260491842114                  |
|    | <b>safety plug</b><br>3-pin safety plug with ingress protection IP 44, installed on the supply cable of the luminaire                                                                                                                                                                                                                                                                                                                                                                                     | 945400           | 4260491842251                  |
|    | <b>supply cable extension</b><br>ready-to-use 5-pin supply cable extension up to 10 meters                                                                                                                                                                                                                                                                                                                                                                                                                | 933566           | 4260745235570                  |
|    | <b>Wieland connector RST 20i5</b><br>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><br>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>cover plate polycarbonate</b><br>impact-resistant cover plate, thickness 5 mm, material: polycarbonat, finish: clear                                                                                                                                                                                                                                                                                                                                                                                   | 333902           | 42604919843753                 |
|  | <b>emergency light module</b><br>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<br><b>suitable for tempLED RayBeam Pro V2 100, 150 and 200 HT</b><br><b>suitable for tempLED RayBeam Pro V2 240 HT</b> | 341900<br>341900 | 4260745237246<br>4260745237253 |



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download portal



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LED is the future.

tempLED luminaires fulfil a recycling rate of > 90%.  
That is our product promise to you.

When will you start?