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**tempLED**



HIGH TEMPERATURE HALL LIGHT

# tempLED RayBeam Hi V2 HT

400 | 500 | 600

HALL LIGHTS 

HIGH TEMPERATURES 

Our customer  
Elbe-Stahlwerke Feralpi

# tempLED

initial system efficiency  
up to 165 lm / w



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



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



optional control and safety systems:



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



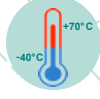
modular overall structure with exchangeable and replaceable main components



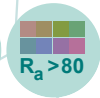
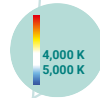
pressure compensation membrane to prevent condensation



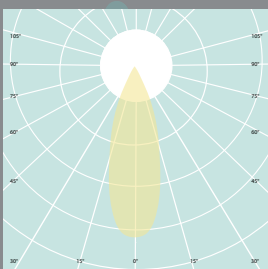
solid luminaire housing optimized for high-temperature surroundings up to +70° Celsius



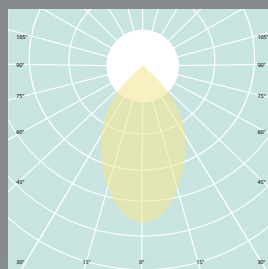
five durable and bright LED light fields



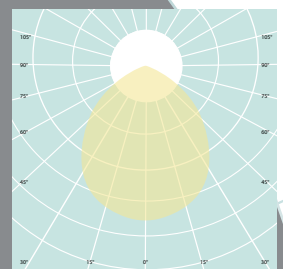
## Light distribution curves tempLED RayBeam Hi V2 HT 400 | 500 | 600



30 degrees symmetrical linear technology



60 degrees symmetrical linear technology

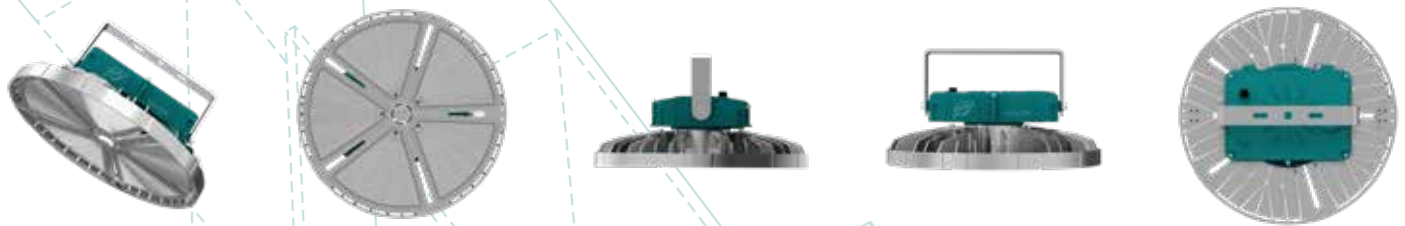


90 degrees symmetrical linear technology

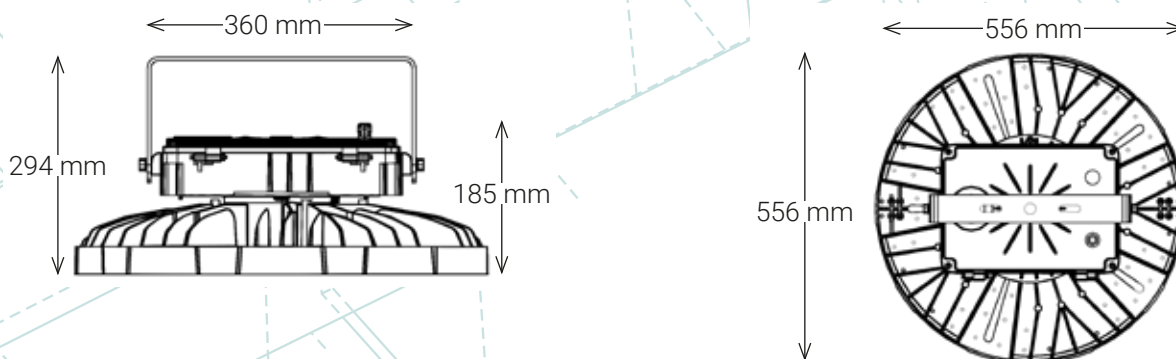




**tempLED RayBeam Hi V2 HT**  
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**Dimensions tempLED RayBeam Hi V2 HT**  
400 | 500 | 600



**Mounting options tempLED RayBeam Hi V2 HT**  
400 | 500 | 600

bracket mounting<sup>1,2</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 (934040): 0 to 90 degrees.

## General technical data

according to IEC, identical for all types of luminaires



### Lighting properties:

|  |  |
|--|--|
| initial luminous flux:                   | 66,000 to 99,000 lumens                    |
| luminous flux tolerance:                 | ± 10 percent                               |
| initial system efficiency:               | up to 165 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:       | 30   60   90 degrees                       |
| photobiological safety:                  | IEC/TR 62778: 1                            |
| compact flicker degree (CFD):            | 1 percent                                  |
| stray light reduction:                   | yes, with linear technology                |

### Electrotechnical properties:

|                                    |                               |
|------------------------------------|-------------------------------|
| power supply AC:                   | 90 to 240 volts <sup>2</sup>  |
| supply frequency:                  | 50 / 60 hertz                 |
| power supply DC:                   | 140 to 250 volts <sup>3</sup> |
| system performance:                | 400 to 600 watts              |
| system performance tolerance:      | ± 10 percent                  |
| integrated power supplies:         | two                           |
| power factor:                      | > 0.90                        |
| 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 Hi V2 HT: | This product contains a light source of energy efficiency class C. |
|---|--|

### 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 (934040) |

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

<sup>2</sup> power supply 249 to 528 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                                      |
| control via the Casambi network: | optional <sup>1</sup>                         |
| emergency light module:          | optional <sup>2</sup>                         |
| human centric lighting:          | on request                                    |
| daylight control system:         | optional via the Casambi network <sup>1</sup> |

**Housing properties:**

|   |  |
|---|--|
| ambient temperature:                                    | -40 to +70 degrees Celsius   |
| ingress protection:                                     | IP 65  |
| 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>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:                                      | H05RN-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 70 degrees Celsius: | approx. 100,000 hours                          |
| lifespan (L90B10C1) @ Ta 25 degrees Celsius: | approx. 50,000 hours                           |
| guarantee:                                   | 5 years <sup>4</sup>                           |
| spare part guarantee:                        | 10 years                                       |
| delivery includes:                           | luminaire, ceiling bracket and fall protection |

<sup>1</sup> can only be used at ambient temperatures of max. +50 degrees Celsius.

<sup>2</sup> can only be used at ambient temperatures from +5 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> according to the warranty conditions of tempLED GmbH, excluding accessories.

**Logistic information:**

| luminaire:                        | RayBeam Hi V2 400 HT | RayBeam Hi V2 500 HT | RayBeam Hi V2 600 HT |
|-----------------------------------|----------------------|----------------------|----------------------|
| number of luminaires per package: | 1                    | 1                    | 1                    |
| number of luminaires per pallet:  | 8                    | 8                    | 8                    |
| net weight of the luminaire:      | 17,400 g             | 18,700 g             | 19,700 g             |
| gross weight per package:         | 20,200 g             | 21,500 g             | 22,500 g             |
| package dimensions L x W x H:     | 750 x 700 x 330 mm   | 750 x 700 x 330 mm   | 750 x 700 x 330 mm   |

## tempLED 400

|  | RayBeam Hi V2 400 - 30 HT | RayBeam Hi V2 400 - 60 HT | RayBeam Hi V2 400 - 90 HT |
|--|---------------------------|---------------------------|---------------------------|
| article number:                          | 336434                    | 336464                    | 336494                    |
| GTIN / EAN:                              | 4260745230766             | 4260745230780             | 4260745230803             |
| initial luminous flux:                   | 66,000 lm                 | 66,000 lm                 | 66,000 lm                 |
| initial system efficiency:               | 165 lm/w                  | 165 lm/w                  | 165 lm/w                  |
| initial, most similar color temperature: | 4,000 K                   | 4,000 K                   | 4,000 K                   |
| light distribution:                      | symmetrical               | symmetrical               | symmetrical               |
| beam angle:                              | 30 degrees                | 60 degrees                | 90 degrees                |
| dimming / control:                       | DALI-2                    | DALI-2                    | DALI-2                    |
| system performance:                      | 400 W                     | 400 W                     | 400 W                     |
| power consumption:                       | 1.74 A                    | 1.74 A                    | 1.74 A                    |
| maximum inrush current:                  | 65 A                      | 65 A                      | 65 A                      |
| dimensions (Ø x H):                      | 556 x 294 mm              | 556 x 294 mm              | 556 x 294 mm              |

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## tempLED 400

|  | RayBeam Hi V2 400 - 30 HT | RayBeam Hi V2 400 - 60 HT | RayBeam Hi V2 400 - 90 HT |
|--|---------------------------|---------------------------|---------------------------|
| article number:                          | 336435                    | 336465                    | 336495                    |
| GTIN / EAN:                              | 4260745230773             | 4260745230797             | 4260745230810             |
| initial luminous flux:                   | 66,000 lm                 | 66,000 lm                 | 66,000 lm                 |
| initial system efficiency:               | 165 lm/w                  | 165 lm/w                  | 165 lm/w                  |
| initial, most similar color temperature: | 5,000 K                   | 5,000 K                   | 5,000 K                   |
| light distribution:                      | symmetrical               | symmetrical               | symmetrical               |
| beam angle:                              | 30 degrees                | 60 degrees                | 90 degrees                |
| dimming / control:                       | DALI-2                    | DALI-2                    | DALI-2                    |
| system performance:                      | 400 W                     | 400 W                     | 400 W                     |
| power consumption:                       | 1.74 A                    | 1.74 A                    | 1.74 A                    |
| maximum inrush current:                  | 65 A                      | 65 A                      | 65 A                      |
| dimensions (Ø x H):                      | 556 x 294 mm              | 556 x 294 mm              | 556 x 294 mm              |

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## tempLED 500

|  | RayBeam Hi V2 500 - 30 HT | RayBeam Hi V2 500 - 60 HT | RayBeam Hi V2 500 - 90 HT |
|--|---------------------------|---------------------------|---------------------------|
| article number:                          | 336534                    | 336564                    | 336594                    |
| GTIN / EAN:                              | 4260745230827             | 4260745230841             | 4260745230865             |
| initial luminous flux:                   | 82,500 lm                 | 82,500 lm                 | 82,500 lm                 |
| initial system efficiency:               | 165 lm/w                  | 165 lm/w                  | 165 lm/w                  |
| initial, most similar color temperature: | 4,000 K                   | 4,000 K                   | 4,000 K                   |
| light distribution:                      | symmetrical               | symmetrical               | symmetrical               |
| beam angle:                              | 30 degrees                | 60 degrees                | 90 degrees                |
| dimming / control:                       | DALI-2                    | DALI-2                    | DALI-2                    |
| system performance:                      | 500 W                     | 500 W                     | 500 W                     |
| power consumption:                       | 2.17 A                    | 2.17 A                    | 2.17 A                    |
| maximum inrush current:                  | 80 A                      | 80 A                      | 80 A                      |
| dimensions (Ø x H):                      | 556 x 294 mm              | 556 x 294 mm              | 556 x 294 mm              |

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## tempLED 500

|  | RayBeam Hi V2 500 - 30 HT | RayBeam Hi V2 500 - 60 HT | RayBeam Hi V2 500 - 90 HT |
|--|---------------------------|---------------------------|---------------------------|
| article number:                          | 336535                    | 336565                    | 336595                    |
| GTIN / EAN:                              | 4260745230834             | 4260745230858             | 4260745230872             |
| initial luminous flux:                   | 82,500 lm                 | 82,500 lm                 | 82,500 lm                 |
| initial system efficiency:               | 165 lm/w                  | 165 lm/w                  | 165 lm/w                  |
| initial, most similar color temperature: | 5,000 K                   | 5,000 K                   | 5,000 K                   |
| light distribution:                      | symmetrical               | symmetrical               | symmetrical               |
| beam angle:                              | 30 degrees                | 60 degrees                | 90 degrees                |
| dimming / control:                       | DALI-2                    | DALI-2                    | DALI-2                    |
| system performance:                      | 500 W                     | 500 W                     | 500 W                     |
| power consumption:                       | 2.17 A                    | 2.17 A                    | 2.17 A                    |
| maximum inrush current:                  | 80 A                      | 80 A                      | 80 A                      |
| dimensions (Ø x H):                      | 556 x 294 mm              | 556 x 294 mm              | 556 x 294 mm              |

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## tempLED 600








|  | RayBeam Hi V2 600 - 30 HT | RayBeam Hi V2 600 - 60 HT | RayBeam Hi V2 600 - 90 HT |
|--|---------------------------|---------------------------|---------------------------|
| article number:                          | 336634                    | 336664                    | 336694                    |
| GTIN / EAN:                              | 4260745230889             | 4260745230902             | 4260745230926             |
| initial luminous flux:                   | 99,000 lm                 | 99,000 lm                 | 99,000 lm                 |
| initial system efficiency:               | 165 lm/w                  | 165 lm/w                  | 165 lm/w                  |
| initial, most similar color temperature: | 4,000 K                   | 4,000 K                   | 4,000 K                   |
| light distribution:                      | symmetrical               | symmetrical               | symmetrical               |
| beam angle:                              | 30 degrees                | 60 degrees                | 90 degrees                |
| dimming / control:                       | DALI-2                    | DALI-2                    | DALI-2                    |
| system performance:                      | 600 W                     | 600 W                     | 600 W                     |
| power consumption:                       | 2.51 A                    | 2.51 A                    | 2.51 A                    |
| maximum inrush current:                  | 96 A                      | 96 A                      | 96 A                      |
| dimensions (Ø x H):                      | 556 x 294 mm              | 556 x 294 mm              | 556 x 294 mm              |

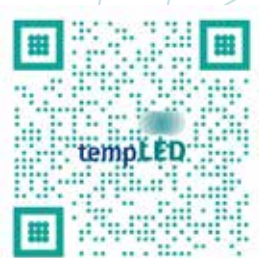
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## tempLED 600

|  | RayBeam Hi V2 600 - 30 HT | RayBeam Hi V2 600 - 60 HT | RayBeam Hi V2 600 - 90 HT |
|--|---------------------------|---------------------------|---------------------------|
| article number:                          | 336635                    | 336665                    | 336695                    |
| GTIN / EAN:                              | 4260745230896             | 4260745230919             | 4260745230933             |
| initial luminous flux:                   | 99,000 lm                 | 99,000 lm                 | 99,000 lm                 |
| initial system efficiency:               | 165 lm/w                  | 165 lm/w                  | 165 lm/w                  |
| initial, most similar color temperature: | 5,000 K                   | 5,000 K                   | 5,000 K                   |
| light distribution:                      | symmetrical               | symmetrical               | symmetrical               |
| beam angle:                              | 30 degrees                | 60 degrees                | 90 degrees                |
| dimming / control:                       | DALI-2                    | DALI-2                    | DALI-2                    |
| system performance:                      | 600 W                     | 600 W                     | 600 W                     |
| power consumption:                       | 2.51 A                    | 2.51 A                    | 2.51 A                    |
| maximum inrush current:                  | 96 A                      | 96 A                      | 96 A                      |
| dimensions (Ø x H):                      | 556 x 294 mm              | 556 x 294 mm              | 556 x 294 mm              |

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| tempLED  | Accessory catalogue RayBeam Hi 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   | 934040   | 4260669194328 |
|   | <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>Casambi control unit</b><br>for integrating and controlling the luminaire via the Casambi network, can only be used at ambient temperatures of max. +50 degrees Celsius, mounted on the luminaire ready for use   | 934189   | 4260669198227 |
|  | <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 either approx. 1 hour with an output power of approx. 6 watts or approx. 3 hours with an output power of approx. 3 watts, recharging time: approx. 24 hours, can only be used at ambient temperatures of max. +50 degrees Celsius, mounted on the luminaire ready for use | 336900   | 4260745237284 |



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LED is the future.

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

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