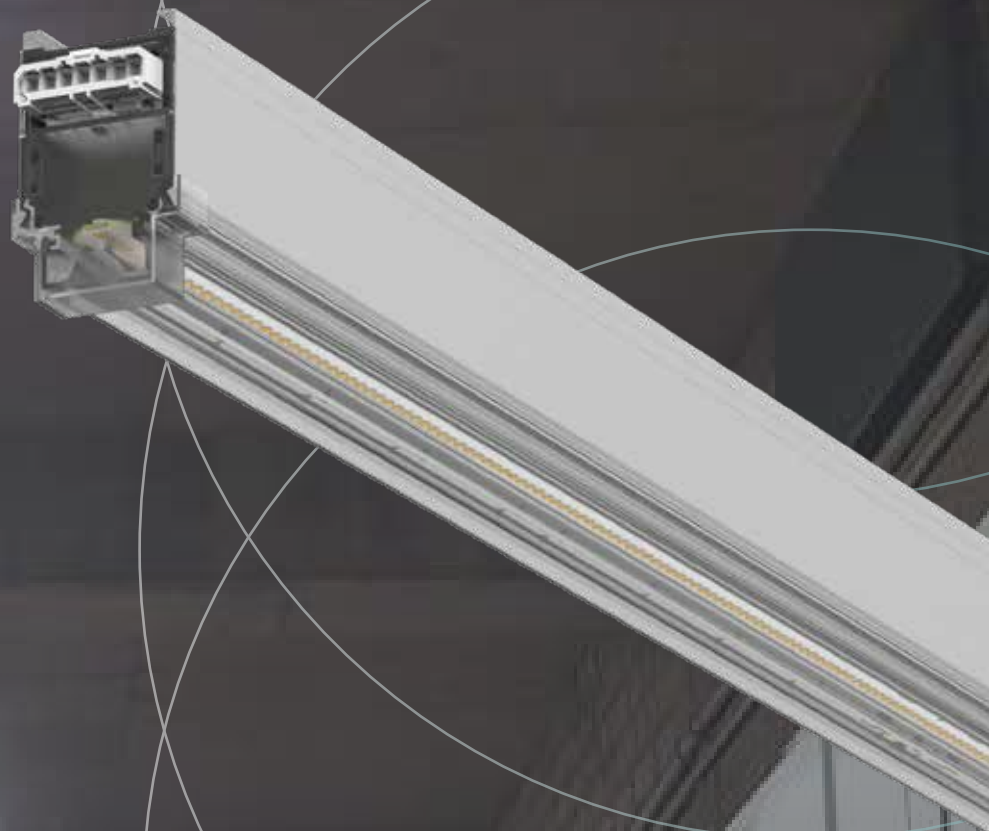


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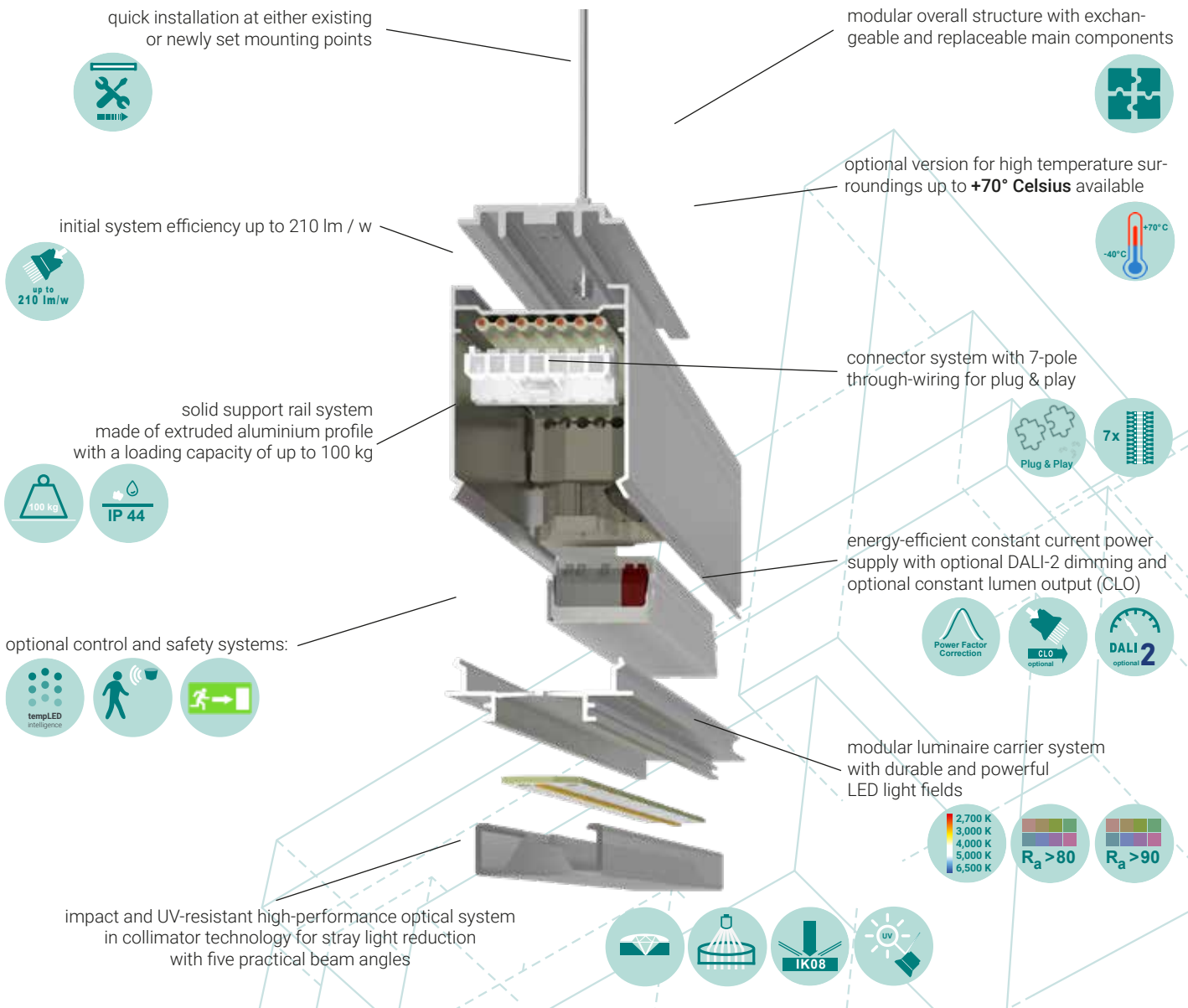


LINE LIGHTING SYSTEM
tempLED RayLine Eco V3
15 | 25 | 40 | 70 | 100

HALL LIGHTS 
HIGH TEMPERATURES 

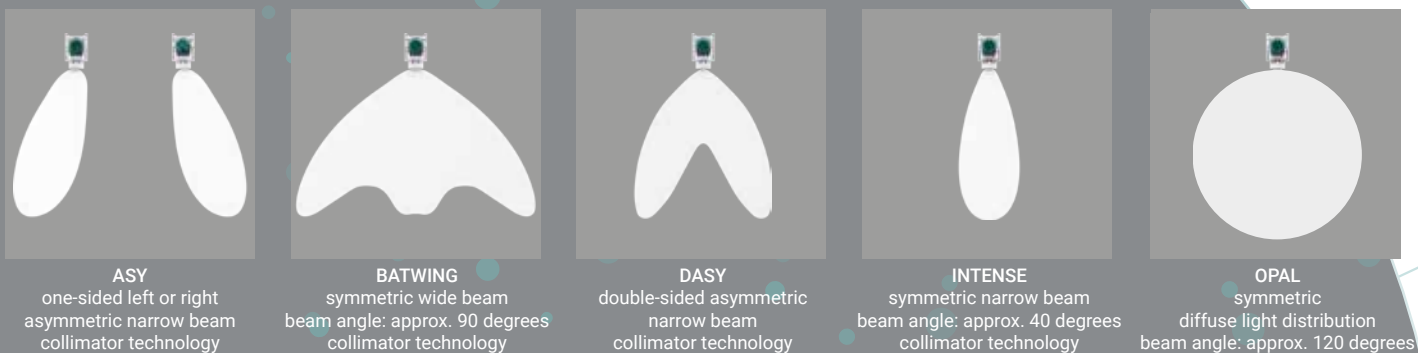
Our customer
Hüttenwerke Krupp Mannesmann

tempLED

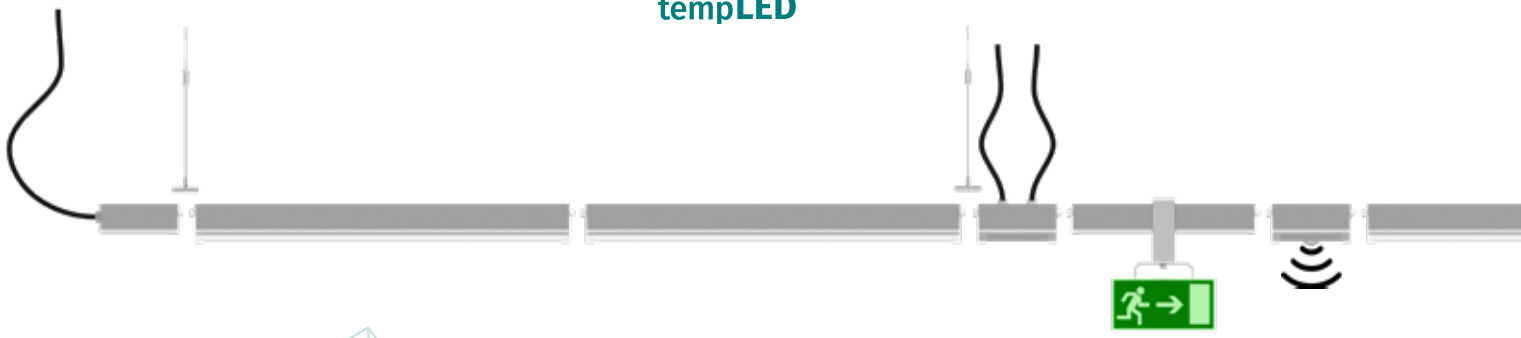


Light distribution curves tempLED RayLine Eco V3

15 | 25 | 40 | 70 | 100



tempLED

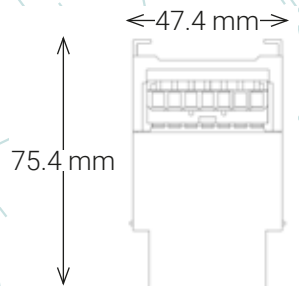
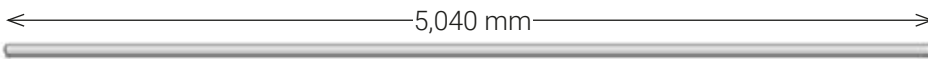
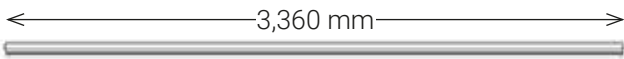
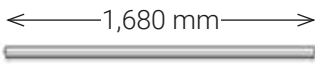


tempLED RayLine Eco V3



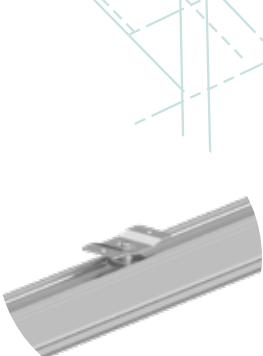
Dimensions tempLED RayLine Eco V3

1,680 mm | 3,360 mm | 5,040 mm

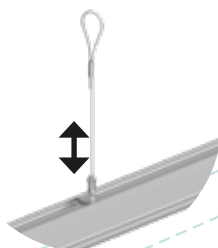


Mounting options tempLED RayLine Eco V3

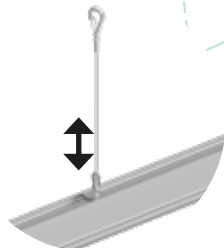
ceiling mounting
adapter



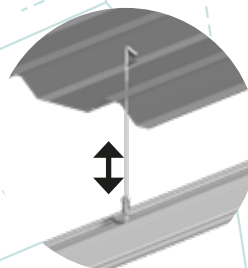
height-adjustable
rope suspension
(0.10 - 4.90 m)
combined with
loop



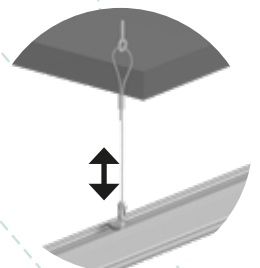
height-adjustable
rope suspension
(0.10 - 4.90 m)
combined with
carabiner hook



height-adjustable
rope suspension
(0.10 - 4.90 m)
combined with
trapezoidal sheet hook



height-adjustable
rope suspension
(0.10 - 4.90 m)
combined with
concrete anchor



General technical data

according to IEC, identical for all types of luminaires



Lighting properties:

| | |
|--|--|
| initial luminous flux: | up to 18,500 lumens |
| luminous flux tolerance: | ± 10 percent |
| initial system efficiency: | up to 210 lumens / watt |
| initial, most similar color temperature: | 2,700 3,000 4,000 5,000 6,500 kelvins ¹ |
| initial color rendering index (CRI): | Ra > 80 Ra > 90 |
| initial color consistency: | < 3 SDCM |
| available symmetric beam angles: | BATWING INTENSE OPAL |
| available asymmetrical beam angles: | ASY (left- and right-sided) DASYS |
| photobiological safety: | IEC/TR 62778: 1 |
| compact flicker degree (CFD): | on request |
| stray light reduction: | yes, with collimator technology |

Electrotechnical properties:

| | |
|---|--|
| power supply AC: | 198 to 240 volts |
| supply frequency: | 50 / 60 hertz |
| power supply DC: | 176 to 250 volts |
| system performance: | 15 to 100 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): | T6 |
| Tc - temperature: | +75 degrees Celsius |
| suitable for emergency light installations: | yes, in accordance with EN 60598-2-22 and IEC 61347-2-13, Annex J through DC detection (0 Hz, pulsating DC), can be switched on/off; on request: dimming to 15 percent of the nominal power in DC mode |

Energy characteristics:

| | |
|--|--|
| Valid for all tempLED RayLine Eco V3 with up to 192 lumens per watt: | This product contains a light source of energy efficiency class B. |
| Valid for all tempLED RayLine Eco V3 from 193 lumens per watt: | This product contains a light source of energy efficiency class A. |

Mounting options:

| | |
|-------------------|--|
| mounting options: | ceiling mounting height-adjustable pendant mounting with rope suspension (0.10 to 4.90 m) |
|-------------------|--|

¹ additional color temperatures on request.

Control and safety properties:

| | |
|------------------------------------|---|
| dimming: | DALI-2 optional |
| minimum dimming level: | 10 percent |
| constant lumen output (CLO): | optional |
| control via the Casambi network: | optional (types with DALI dimming only) ¹ |
| control via the ENLIGHTED network: | optional (types with DALI dimming only) ² |
| emergency light module: | optional ³ |
| human centric lighting: | on request |
| daylight control system: | optional via Casambi ¹ network or SensorSystem ⁴ (types with DALI dimming only) |
| occupancy control: | optional via ENLIGHTED ² or SensorSystem ⁴ (types with DALI dimming only) |

Housing properties:

| | |
|--|--------------------------------|
| standard ambient temperature: | -40 to +50 degrees Celsius |
| optional ambient temperature: | -40 to +70 degrees Celsius |
| standard ingress protection: | IP 44 |
| optional ingress protection: | IP 55 |
| impact resistance level: | IK08 |
| electrical protection class: | I |
| limited surface temperature (D): | yes |
| housing and heat sink material(s): | extruded aluminium profile |
| material of optical system: | impact- and UV-resistant PMMA |
| material of diffuser: | impact resistant polycarbonate |
| luminaire housing color: | aluminum natural ⁵ |
| surface finish: | bare ⁵ |
| supply cable inlet: | cable gland |
| number of poles with through-wiring: | 7 |
| maximum tensile load on the cover profile: | 1.75 kilograms |

Additional information:

| | |
|-----------------------|--|
| certificates: | ENEC in preparation |
| conformities: | CE RoHS DIN 10500 (HACCP IFS) ⁶ |
| lifespan (L70B10C1): | approx. 100,000 hours |
| lifespan (L90B10C1): | approx. 50,000 hours |
| guarantee: | 5 years ⁷ |
| spare part guarantee: | 10 years |
| delivery includes: | prefabricated luminaire |

¹ can only be used at ambient temperatures of max. +50 degrees Celsius. ² can only be used at ambient temperatures from 0 to +50 degrees Celsius.

³ can only be used at ambient temperatures from +5 to +50 degrees Celsius. ⁴ can only be used at ambient temperatures from -20 to +45 degrees Celsius.

⁵ optional luminaire housing colors and finishes: Paintings according to RAL colour chart, powder coatings according to RAL colour chart or synthetic resin coating.

⁶ DIN 10500 only valid for luminaires with opal polycarbonate diffuser.

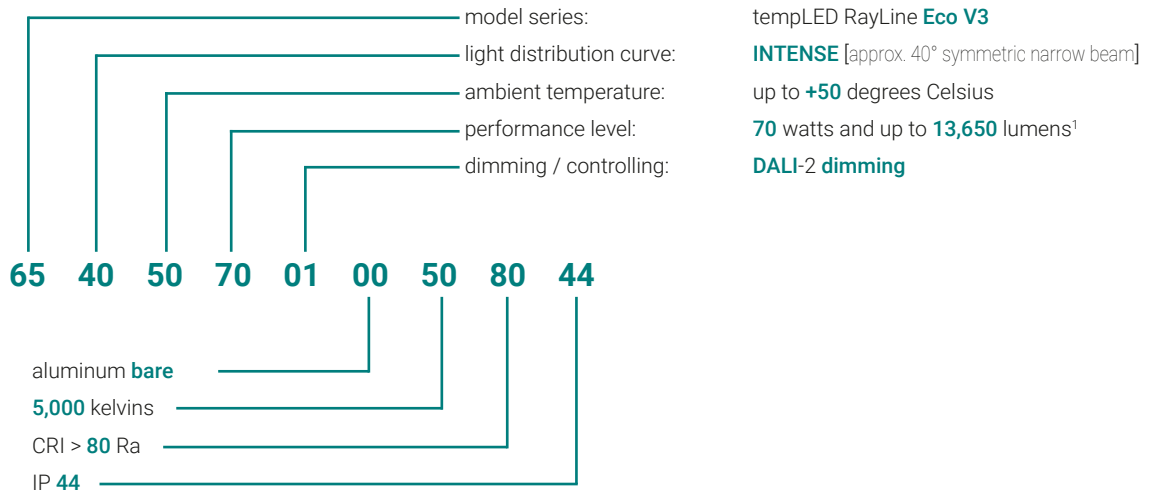
⁷ according to the warranty conditions of tempLED GmbH, excluding accessories.

Logistic information:

| | |
|---|----------------------|
| maximum weight per mounting rail unit with 1.68 meter length: | approx. 2,600 g |
| maximum weight per mounting rail unit with 3.36 meter length: | approx. 5,000 g |
| maximum weight per mounting rail unit with 5.04 meter length: | approx. 7,500 g |
| maximum amount of line meter per wooden box: | 201.60 |
| maximum dimensions per wooden box L x W x H: | 5,131 x 784 x 425 mm |
| maximum net weight per wooden box: | 20,000 g |

tempLED RayLine Eco V3 - this is how you order your line light:

sample article number










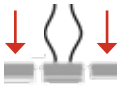
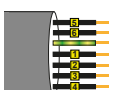










tempLED RayLine Eco V3 - all variants and options at a glance:




article number matrix

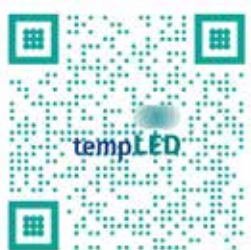
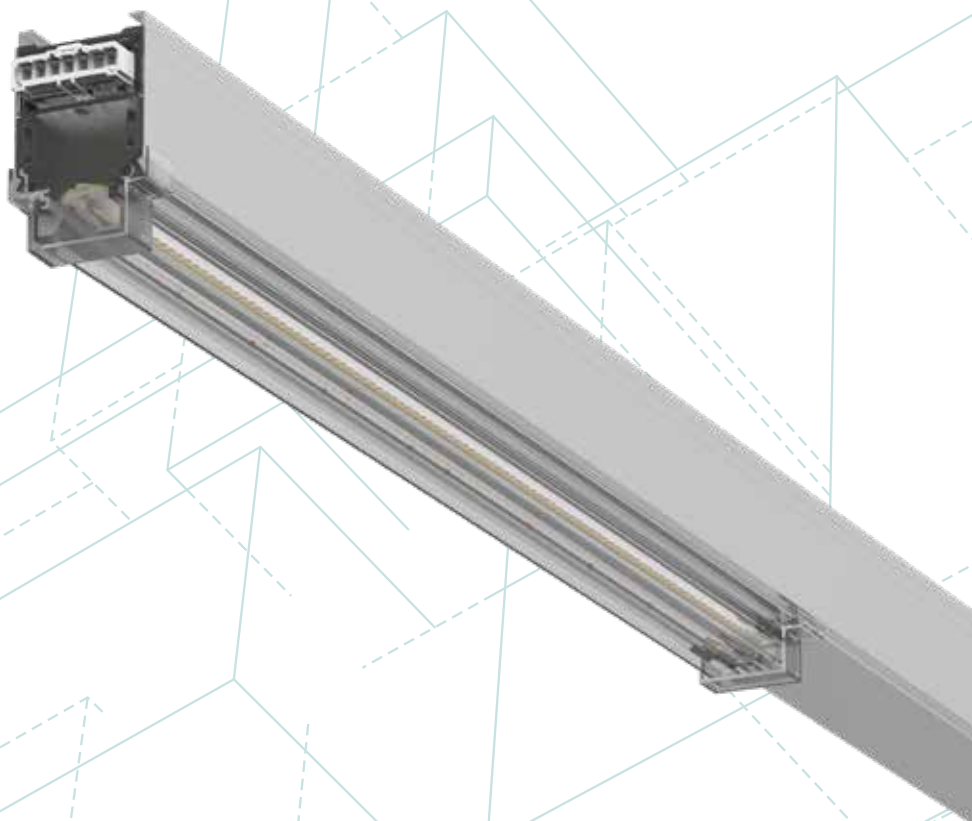
| | | | | | | | | | |
|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---|
| model series: | 65 | | | | | | | | tempLED RayLine Eco V3 7-pole |
| light distribution curve: | | 20 | | | | | | | ASY [left-sided approx. 20° asymmetric narrow beam] |
| | | 21 | | | | | | | ASY [right-sided approx. 20° asymmetric narrow beam] |
| | | 90 | | | | | | | BATWING [approx. 90° symmetric wide beam] |
| | | 22 | | | | | | | DASY [two-sided approx. 2x 20° asymmetric narrow beam] |
| | | 40 | | | | | | | INTENSE [approx. 40° symmetric narrow beam] |
| | | 12 | | | | | | | OPAL [approx. 120° symmetric diffuse light distribution] |
| ambient temperature: | | | 50 | | | | | | -40 to +50 degrees Celsius |
| | | | 70 | | | | | | -40 to +70 degrees Celsius |
| performance level: | | | | 15 | | | | | 15 watts / up to 3,150 lumens ¹ |
| | | | | 25 | | | | | 25 watts / up to 5,000 lumens ¹ |
| | | | | 40 | | | | | 40 watts / up to 8,000 lumens ¹ |
| | | | | 70 | | | | | 70 watts / up to 13,650 lumens ¹ |
| | | | | 99 | | | | | 100 watts / up to 18,500 lumens ¹ |
| controlling / dimming: | | | | | 00 | | | | on / off |
| | | | | | 01 | | | | DALI-2 dimming |
| | | | | | 11 | | | | constant lumen output (CLO) |
| housing color: | | | | | | 00 | | | aluminum bare |
| color temperature: | | | | | | | 27 | | 2,700 kelvins |
| | | | | | | | 30 | | 3,000 kelvins |
| | | | | | | | 40 | | 4,000 kelvins (standard color temperature) |
| | | | | | | | 50 | | 5,000 kelvins |
| | | | | | | | 65 | | 6,500 kelvins |
| color rendering index: | | | | | | | | 80 | CRI > 80 Ra |
| | | | | | | | | 90 | CRI > 90 Ra |
| ingress protection: | | | | | | | | 44 | IP 44 |
| | | | | | | | | 55 | IP 55 |

¹ The specified maximum initial luminous flux depends on the selected colour temperature, the selected colour rendering index and the selected optical system.

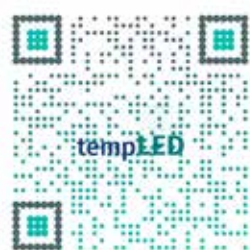
| tempLED | System components catalogue RayLine Eco V3 | art.-no. | GTIN / EAN |
|---|---|----------------------------|---|
|  | rail connector for connecting two mounting rails including a fastening point for steel cable suspension and two rotary knob screws, length: 280 mm, material: aluminium, finish: aluminum bare | 065500 | 4260745235396 |
|  | mounting adapter for flexible and freely selectable assembly of new or already installed rope suspensions on the RayLine V3 mounting rails, material: steel, finish: hot-dip galvanized | 065501 | 4260745235402 |
|  | ceiling mounting adapter for direct mounting of RayLine V3 mounting rails on ceilings, flexible alignment, distance to surface: approx. 20 mm, material: steel, finish: hot-dip galvanized, delivered as a set with mounting adapter 065501 | 065502 | 4260745235419 |
|  | screw hook, size M6 for direct mounting of RayLine V3 mounting rails on newly installed or already existing chain suspensions, max. opening: 15 mm, with safety lock, material: steel, finish: nickel-plated, for use with 065500 or 065501 | 090129 | 4260745233767 |
|  | rope suspension with loop material: steel, finish: galvanized, for use with 065500 or 065501 rope length: 1.00 m , adjustable suspension length: from 0.10 to 0.90 m rope length: 3.00 m , adjustable suspension length: from 0.10 to 2.90 m rope length: 5.00 m , adjustable suspension length: from 0.10 to 4.90 m | 065520 065521 065522 | 4260745235631 4260745235648 4260745235655 |
|  | rope suspension with carabiner hook material: steel, finish: galvanized, for use with 065500 or 065501 rope length: 1.00 m , adjustable suspension length: from 0.10 to 0.90 m rope length: 3.00 m , adjustable suspension length: from 0.10 to 2.90 m rope length: 5.00 m , adjustable suspension length: from 0.10 to 4.90 m | 065523 065524 065525 | 4260745235662 4260745235679 4260745235686 |
|  | rope suspension with trapezoidal sheet hook material: steel, finish: galvanized, for use with 065500 or 065501 rope length: 1.00 m , adjustable suspension length: from 0.10 to 0.90 m rope length: 3.00 m , adjustable suspension length: from 0.10 to 2.90 m rope length: 5.00 m , adjustable suspension length: from 0.10 to 4.90 m | 065526 065527 065528 | 4260745235693 4260745235709 4260745235716 |
|  | rope suspension with concrete anchor material: steel, finish: galvanized, for use with 065500 or 065501 rope length: 1.00 m , adjustable suspension length: from 0.10 to 0.90 m rope length: 3.00 m , adjustable suspension length: from 0.10 to 2.90 m rope length: 5.00 m , adjustable suspension length: from 0.10 to 4.90 m | 065529 065530 065531 | 4260745235723 4260745235730 4260745235747 |
|  | start or end feed as a kit, 7-pole set for self-assembly, for feeding in at the beginning or the end of the RayLine Eco V3 line lighting system, one cable gland integrated at the front in size M32 without connection cable integrated in a mounting rail, length: 140 mm, material: aluminium, finish: aluminum bare start feed end feed | 065503 065504 | 4260745235426 4260745235433 |
|  | center feed as a kit, 2 x 7-pole set for self-assembly, for feeding in in the center of the RayLine Eco V3 line lighting system, two cable glands integrated on the top in size M25 without connection cables integrated in a mounting rail, length: 280 mm, material: aluminium, finish: aluminum bare without through-wiring with through-wiring | 065505 065536 | 4260745235440 4260745236805 |
|  | supply cable, 7-pole, suitable for all feed systems 7-pole connection cable, ready-for-use, for tempLED RayLine line lighting systems, cable version: oilflex CL110 7G2.5, outer diameter: 11.1 mm, cable colour: grey, required quantities: 1x each for the start and end feeds and 2x each for the center feeds length: 1.00 meter length: 3.00 meters length: 5.00 meters | 699038 699039 699040 | 4260745233088 4260745233095 4260745233101 |
|  | connection cable set as a kit, 7-pole connection cable set for self-assembly between two linear luminaire systems for self-assembly, for example for bridging roof beams of roof girders, ventilation shafts, cable stays or similar on-site installations, cable version: oilflex CL110 7G2.5, outer diameter: 11.1 mm, cable colour: grey, delivery includes one start- and one end feed for self-assembly length: 1.00 meter length: 3.00 meters length: 5.00 meters | 065537 065538 065539 | 4260745236836 4260745236843 4260745236850 |

| tempLED | Accessory catalogue RayLine Eco V3 | art.-no. | GTIN / EAN |
|---|---|----------------------------|---|
|  | <p>universal adapter for mounting e.g. hall lights on the RayLine Eco V3 line lighting system, maximum load capacity: 25 kg, material: steel, finish: hot-dip galvanized</p> | 065510 | 4260745235495 |
|  | <p>small universal adapter for mounting e.g. information signs and traffic mirrors on the RayLine Eco V3 line lighting system, maximum load capacity: 3 kg, material: steel, finish: hot-dip galvanized</p> | 065511 | 4260745235501 |
|  | <p>universal power output, 5-pole universal power supply output for the RayLine Eco V3 line lighting system, 5-pole socket, maximum load capacity: 230 VAC / 50-60 Hz - 10 A integrated in a mounting rail, length: 140 mm, material: aluminium, finish: aluminum bare with pin assignment 1 / 2 / 5 / 6 with pin assignment 1 / 2 / 3 / 4 with pin assignment 3 / 4 / 5 / 6</p> | 065512 065532 065533 | 4260745235518 4260745235822 4260745235839 |
|  | <p>integrated universal power output, 5-pole technical data similar to the universal power output, but for fully integrated installation in a free blind module of the tempLED RayLine Eco V3 line lighting system with pin assignment 1 / 2 / 5 / 6 with pin assignment 1 / 2 / 3 / 4 with pin assignment 3 / 4 / 5 / 6</p> | 065544 065545 065546 | 4260745237765 4260745237833 4260745237840 |
|  | <p>motion- and photoelectric SensorSystem tempLED RayControl combined motion detector and photoelectric sensor system for the tempLED RayLine Eco V3 line lighting system with integrated DALI/DALI-2 dimming, power supply and data exchange via the DALI control cables, maximum cable length: 300 meters, can be used at ambient temperatures from -20 to +45 degrees Celsius</p> | | |
| | <p>SensorSystem MASTER motion detector with passive infrared (PIR) technology, detection range: 360 degrees, detection angle: 20 degrees, maximum mounting height: 17 meters, detection area: maximum 18 x 18 meters (at 17 meter mounting height), photoelectric sensor with measuring range from 2 to 2,000 lux, combined with a SensorSystem ControlBox to supply power to the sensors and evaluate the sensor signals, control and parameterisation via Bluetooth 4.0 and manufacturer's apps for Android and iOS, Bluetooth range: max. 15 meters, maximum controllable number of DALI light modules: 32, maximum additional number of sensors that can be evaluated and supplied: 3, integrated real-time clock (RTC) with 72-hour power blackout backup integrated in a mounting rail, length: 280 mm, material: aluminium, finish: aluminum bare</p> | 065540 | 4260745237819 |
| | <p>SensorSystem SLAVE motion detector with passive infrared (PIR) technology, detection range: 360 degrees, detection angle: 20 degrees, maximum mounting height: 17 meters, detection area: maximum 18 x 18 meters (at 17 meter mounting height), photoelectric sensor with measuring range from 2 to 2,000 lux, power supply and evaluation either via the SensorSystem ControlBox or the SensorSystem MASTER via the DALI control lines integrated in a mounting rail, length: 140 mm, material: aluminium, finish: aluminum bare</p> | 065541 | 4260745237826 |
| | <p>integrated SensorSystem MASTER technical data similar to SensorSystem MASTER, but for fully integrated installation in a free blind module of the tempLED RayLine Eco V3 line lighting system</p> | 065542 | 4260745237802 |
| | <p>integrated SensorSystem SLAVE technical data similar to SensorSystem SLAVE, but for fully integrated installation in a free blind module of the tempLED RayLine Eco V3 line lighting system</p> <p>important notice: the tempLED RayControl (integrated) SensorSystem SLAVE can only be operated in conjunction with a(n) (integrated) SensorSystem MASTER or an external DALI/DALI-2 network with an appropriate power supply (10 to 22.5 VDC, 6 mA each).</p> | 065543 | 4260745237758 |
|  | <p>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 watts, recharging time: approx. 24 hours, can only be used at ambient temperatures of +5 to +50 degrees Celsius, mounted in the luminaire ready for use important notice: line lights with integrated DALI/DALI-2 dimming enable data exchange and control (e.g. status messages and test function) via an external DALI/DALI-2 network.</p> | 065534 | 4260745236683 |
|  | <p>emergency power module for centralized battery systems operation module without monitoring and addressing for centralized battery systems, controlling via centralized monitoring system, maximum switching capacity: 500 watts, can only be used at ambient temperatures of max. +50 degrees Celsius, mounted in the luminaire ready for use</p> | 699015 | 4260669198999 |

| tempLED | Accessory catalogue RayLine Eco V3 | art.-no. | GTIN / EAN |
|---|--|----------|---------------|
|  CASAMBI | Casambi control unit type 10 for integrating and controlling the RayLine Eco V3 line lighting system via the Casambi network: suitable for all RayLine Eco V3 line lights with integrated DALI/DALI-2 dimming, maximum controllable, number of DALI light modules: 10, can only be used at ambient temperatures of max. +50 degrees Celsius integrated in a mounting rail, length: 280 mm, material: aluminium, finish: aluminum bare | 065515 | 4260745235549 |
|  CASAMBI | Casambi control unit type 60 for integrating and controlling the RayLine Eco V3 line lighting system via the Casambi network: suitable for all RayLine Eco V3 line lights with integrated DALI/DALI-2 dimming, maximum controllable, number of DALI light modules: 60, can only be used at ambient temperatures of max. +50 degrees Celsius integrated in a mounting rail, length: 280 mm, material: aluminium, finish: aluminum bare | 065516 | 4260745235556 |
|  ENLIGHTED | ENLIGHTED control unit for controlling the tempLED RayLine Eco V3 line lighting system via the ENLIGHTED network; suitable for all tempLED RayLine Eco V3 line lights with integrated DALI/DALI-2 dimming, integrated motion detector with passive infrared (PIR) technology, detection angle: 360 degrees, maximum mounting height: 12 meters, detection area: maximum 28 x 28 meters (at 12 meter mounting height), integrated daylight sensor, maximum controllable number of luminaire mounting rails: 1 (optionally with 1.68, 3.36 or 5.04 meters), Bluetooth 4.0 - wireless network for data exchange between sensor and gateway with 128-bit AES encryption and a maximum range of 46 meters in free field, can only be used at ambient temperatures of 0 to +50 degrees Celsius integrated in a mounting rail, length: 140 mm, material: aluminium, finish: blank Important note: On-site commissioning and programming by specialised personnel required. | 777046 | 4260745238779 |



Direct link to the tempLED
download portal



Direct link to the tempLED-
product configurator



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

When will you start?