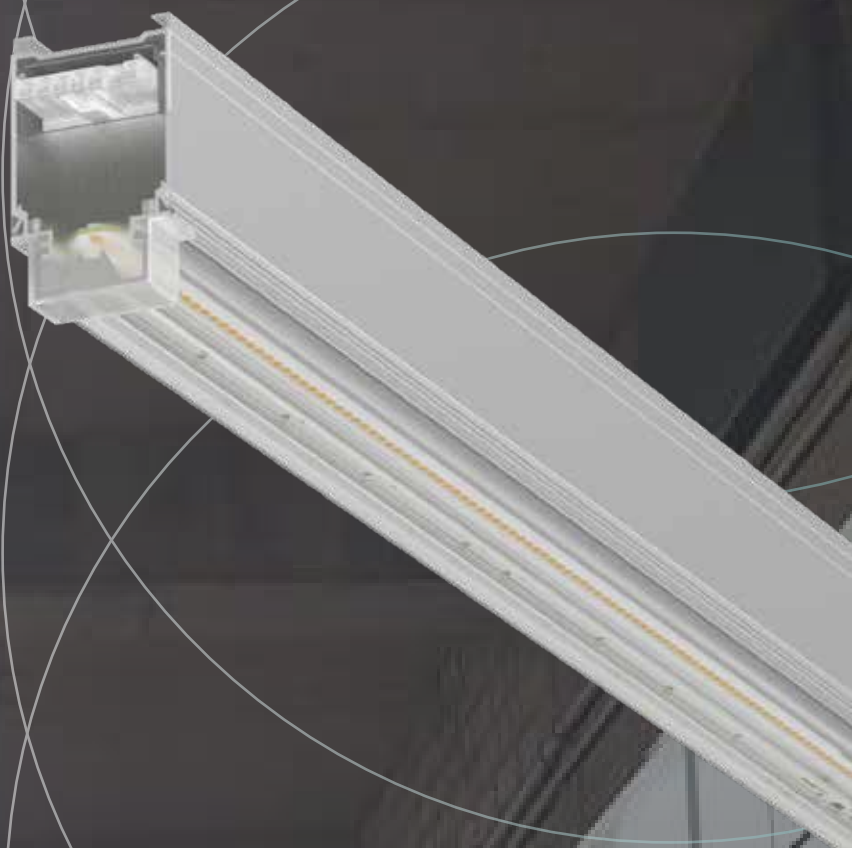


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LINE LIGHTING SYSTEM

tempLED RayLine Eco V2

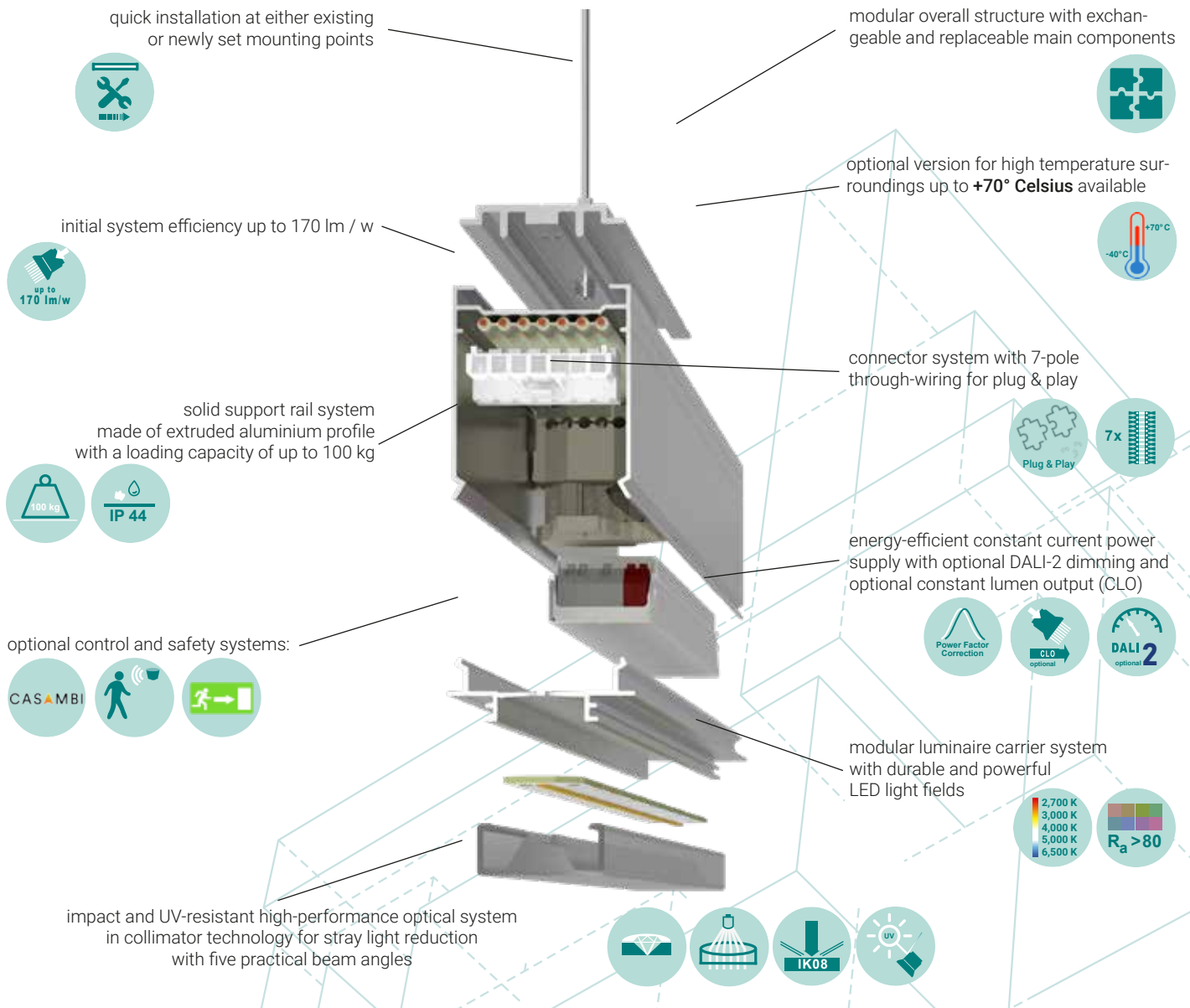
25 | 40 | 70 | 100

HALL LIGHTS 

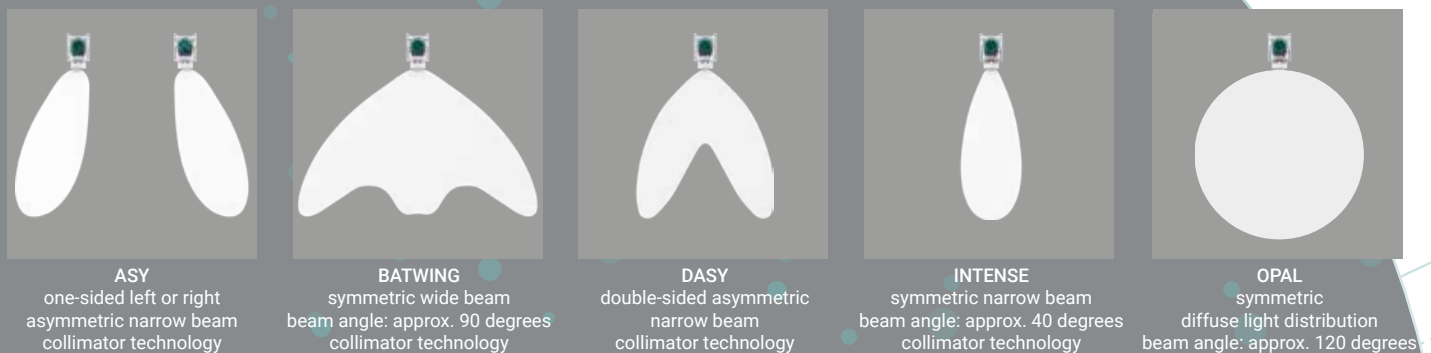
HIGH TEMPERATURES 

Our customer
Hüttenwerke Krupp Mannesmann

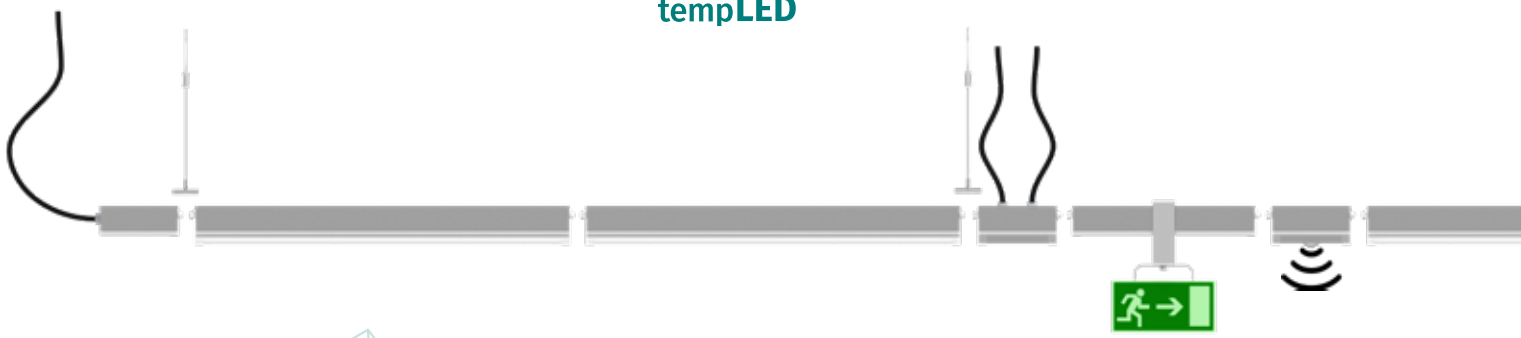
tempLED



Light distribution curves tempLED RayLine Eco V2 25 | 40 | 70 | 100



tempLED



tempLED RayLine Eco V2



Dimensions tempLED RayLine Eco V2

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

← 1,680 mm →

← 3,360 mm →

← 5,040 mm →

← 47.4 mm →

75.4 mm

Mounting options tempLED RayLine Eco V2

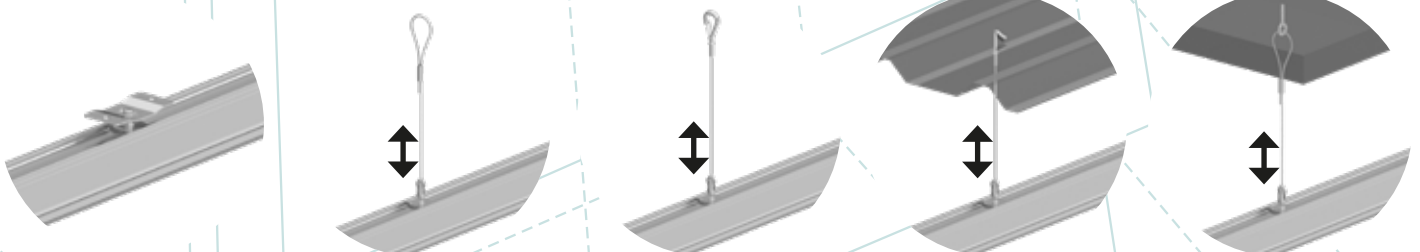
ceiling mounting
adapter

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:	4,080 to 17,000 lumens
luminous flux tolerance:	± 10 percent
initial system efficiency:	from 150 to 170 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
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:	25 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

Energy characteristics:

Valid for all tempLED RayLine Eco V2 25:	This product contains a light source of energy efficiency class C.
Valid for all tempLED RayLine Eco V2 40 - 100:	This product contains a light source of energy efficiency class B.

Mounting options:

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

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
emergency light module:	optional ²
human centric lighting:	on request
daylight control system:	optional via Casambi ¹ network or SensorSystem ³ (types with DALI dimming only) ³
occupancy control:	optional via SensorSystem ³ (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 temperatur (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 ⁴
surface finish:	bare ⁴
supply cable inlet:	cable gland
number of poles with through-wiring:	7

Additional information:

certificates:	ENEC in preparation
conformities:	CE RoHS DIN 10500 (HACCP IFS) ⁵
lifespan (L70B10C1):	approx. 100,000 hours
lifespan (L90B10C1):	approx. 50,000 hours
guarantee:	5 years ⁶
spare part guarantee:	10 years
delievery 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 +5 to +50 degrees Celsius.

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

⁴ optional luminaire housing colors and finishes: Paintings according to RAL colour chart, powder coatings according to RAL colour chart or synthetic resin coating.

⁵ DIN 10500 only valid for luminaires with opal polycarbonate diffuser.

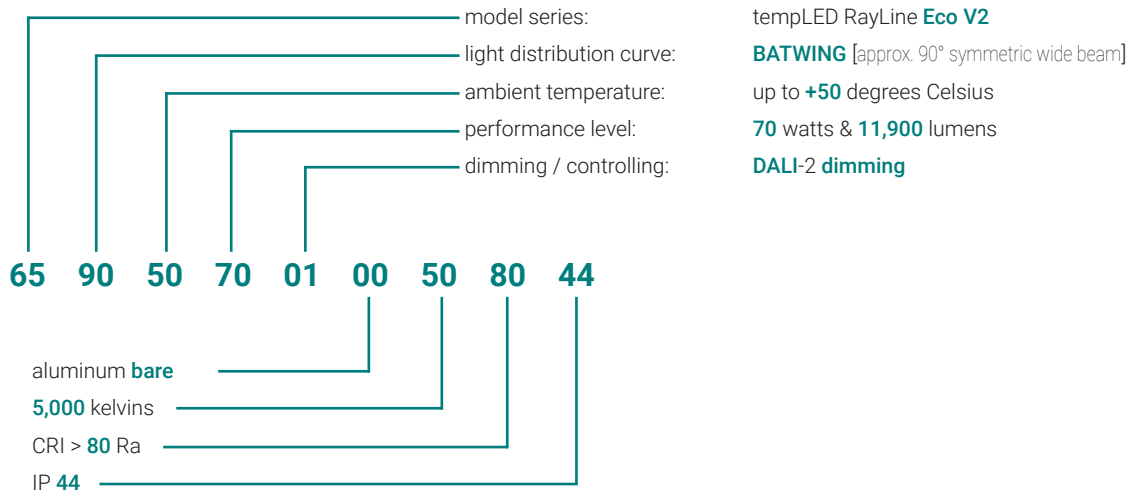
⁶ according to the warranty conditions of tempLED GmbH, excluding accessories.

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 V2 - this is how you order your line light:

sample article number



housing color:

color temperature:

color rendering index:

ingress protection:

aluminum **bare**

5,000 kelvins










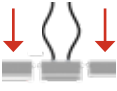


CRI > **80** Ra








IP **44**

tempLED RayLine Eco V2 - all variants and options at a glance:

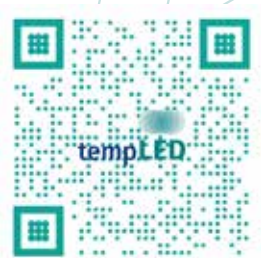
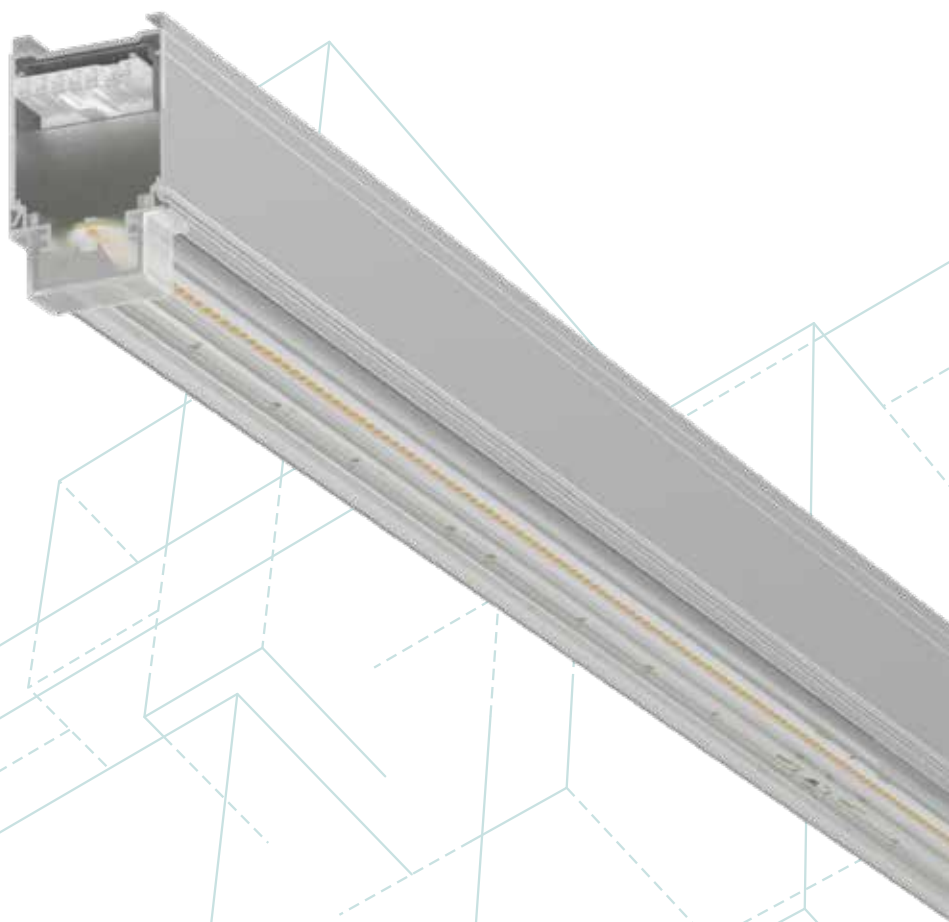
article number matrix

model series:	65								tempLED RayLine Eco V2 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:			25						25 watts / 4,080 lumens
			40						40 watts / 6,800 lumens
			70						70 watts / 11,900 lumens
			99						100 watts / 17,000 lumens
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
ingress protection:								44	IP 44
								55	IP 55

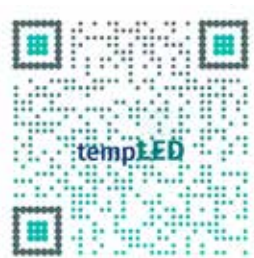
tempLED	System components catalogue RayLine Eco V2	art.-no.	GTIN / EAN
	rail connector for connecting two mounting rails including a fastening point for steel cable suspension and two rotary knob screws, length: 280 mm, material: aluminium, finish: aluminum bare	065500	4260745235396
	mounting adapter for flexible and freely selectable assembly of new or already installed rope suspensions on the RayLine mounting rails, material: steel, finish: hot-dip galvanized	065501	4260745235402
	ceiling mounting adapter for direct mounting of RayLine V2 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 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 carabinder 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 V2 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 V2 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 V2 line lighting systems, cable version: oilflex CL110 7G2.5, outer diameter: 11.1 mm, cable colour: black, 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: black, 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 V2	art.-no.	GTIN / EAN
	<p>universal adapter for mounting e.g. hall lights on the RayLine Eco V2 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 V2 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 V2 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 V2 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 V2 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 V2 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 V2 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 V2	art.-no.	GTIN / EAN
CASAMBI	Casambi control unit type 10 for integrating and controlling the RayLine Eco V2 line lighting system via the Casambi network: suitable for all RayLine Eco V2 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 V2 line lighting system via the Casambi network: suitable for all RayLine Eco V2 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



Direct link to the tempLED download portal



Direct link to the tempLED-product configurator



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