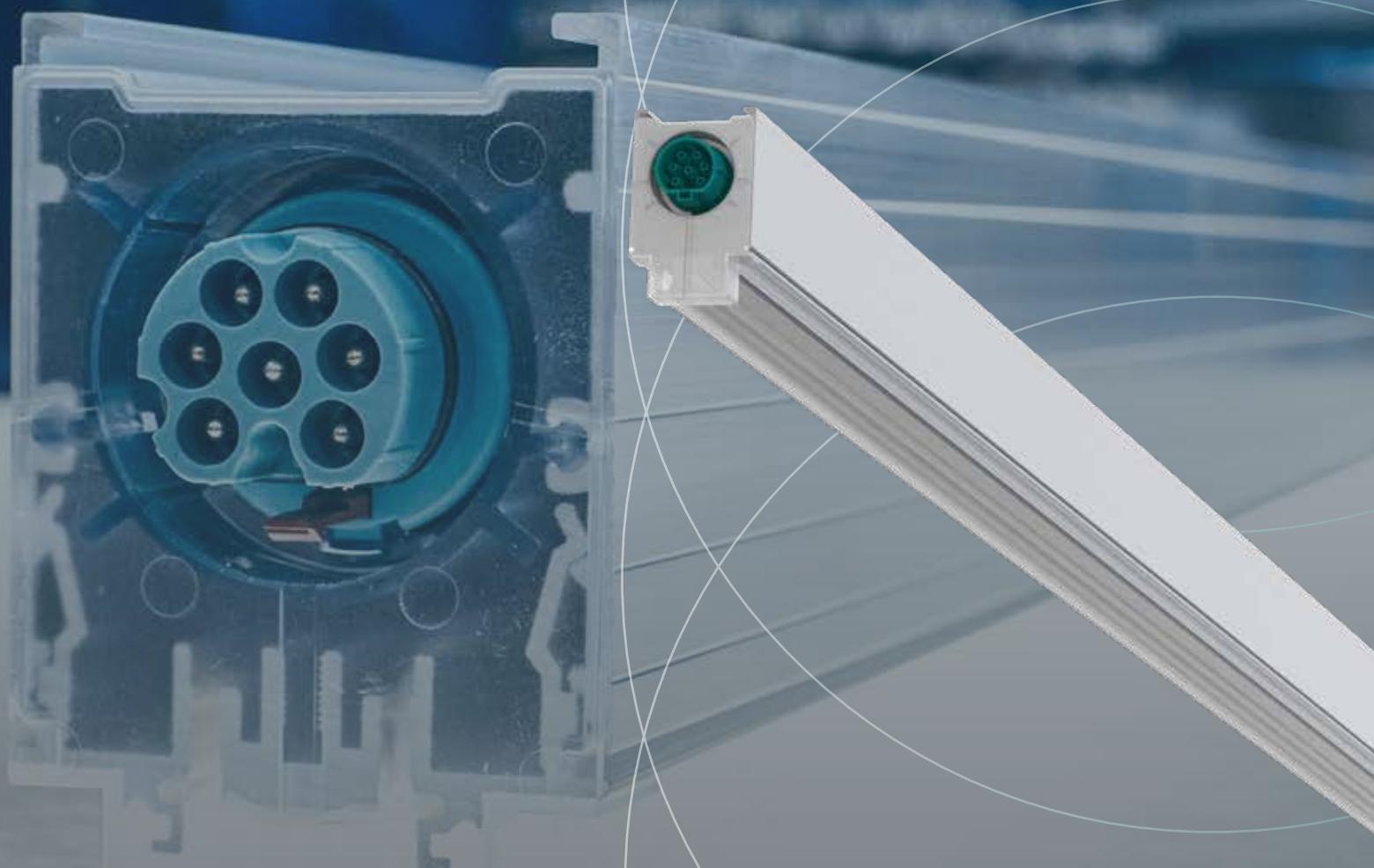


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LINE LIGHTING SYSTEM

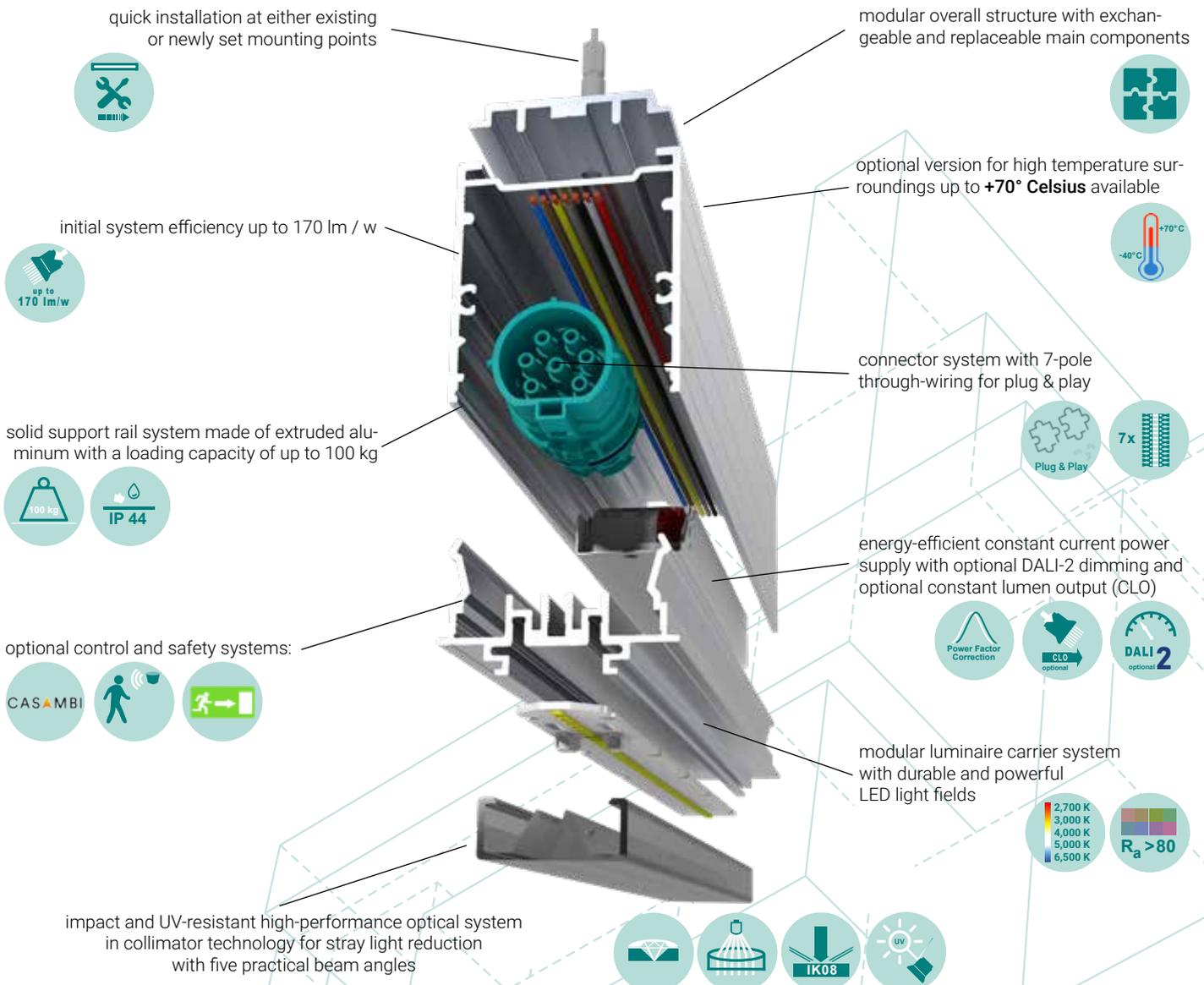
# tempLED RayLine Eco

25 | 40 | 70 | 100

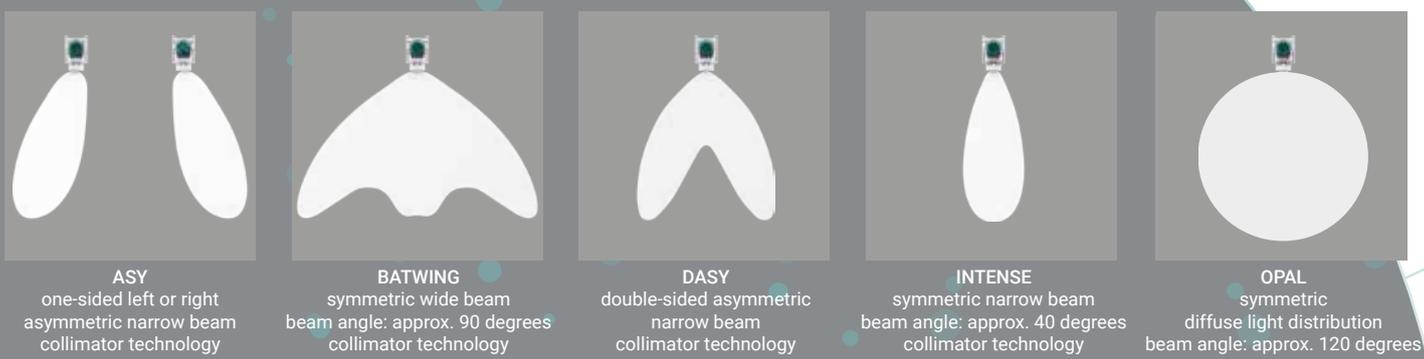
HALL LIGHTS 

HIGH TEMPERATURES 

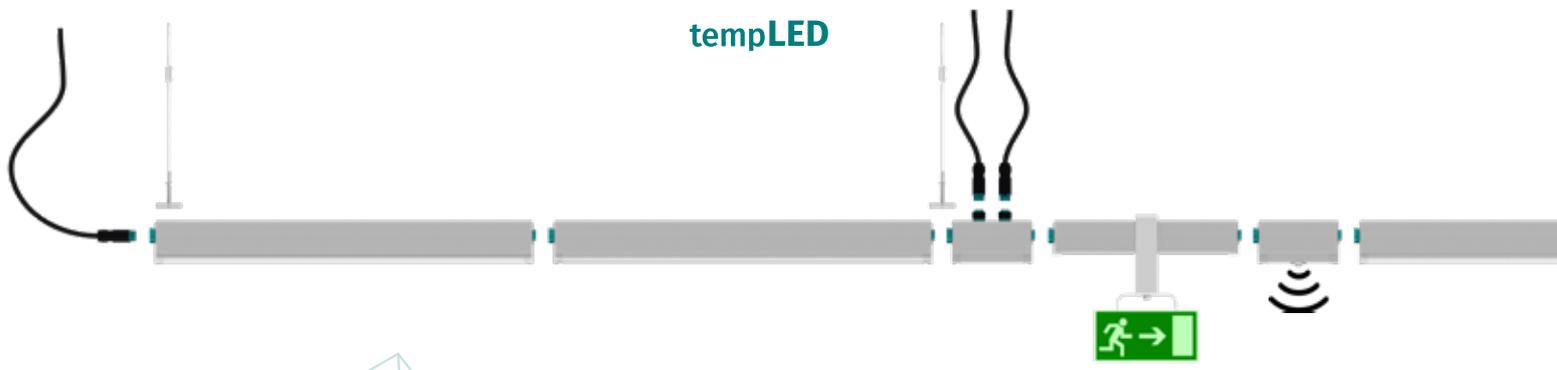
# tempLED



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



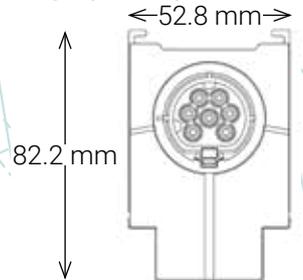
tempLED



### tempLED RayLine Eco



### Dimensions tempLED RayLine Eco

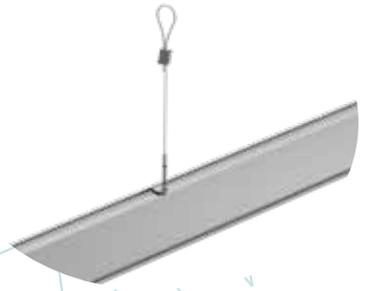
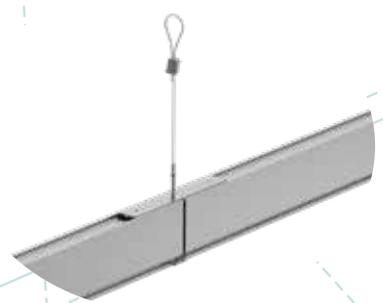


### Mounting options tempLED RayLine Eco

ceiling mounting

height-adjustable rope suspension  
(0.10 - 4.90 m), combined  
with mounting rail connector

height-adjustable rope suspension  
(0.10 - 4.90 m), combined  
with mounting adapter



for the use of newly  
installed mounting points  
or rope suspensions

for the use of already  
existing mounting points  
or rope suspensions

## General technical data

according to IEC, identical for all types of luminaires



### Lighting properties:

initial luminous flux:	approx. 4,080 to 17,000 lumens
luminous flux tolerance:	± 10 percent
initial system efficiency:	up to 170 lumens / watt
initial, most similar color temperature:	2,700   3,000   4,000   5,000   6,500 kelvins <sup>1</sup>
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 25:	This product contains a light source of energy efficiency class C.
Valid for all tempLED RayLine Eco 40 - 100:	This product contains a light source of energy efficiency class B.

### Mounting options:

mounting options:	ceiling mounting height-adjustable pendant mounting with cable suspension (0.10 to 4.90 m) pendant mounting with chain suspension
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<sup>1</sup> 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) <sup>1</sup>
emergency light module:	optional <sup>1</sup>
human centric lighting:	on request
daylight control system:	optional via the Casambi network (types with DALI dimming only) <sup>1</sup>
occupancy control:	optional via motion sensor system (types with DALI dimming only) <sup>1</sup>

**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   IP 65
impact resistance level:	IK08
electrical protection class:	I
limited surface temperatur (D):	yes
housing and heat sink material(s):	extruded aluminum
material of optical system:	impact- and UV-resistant PMMA
material of diffuser:	impact- and UV-resistant polycarbonate
luminaire housing color:	aluminium natural <sup>2</sup>
surface finish:	bare   anodized <sup>2</sup>
supply cable inlet:	connector system
number of poles with through-wiring:	7

**Additional information:**

certificates:	ENEC in preparation
conformities:	CE and RoHS
lifespan (L70B10C1):	approx. 100,000 hours
lifespan (L90B10C1):	approx. 50,000 hours
guarantee:	5 years <sup>3</sup>
spare part guarantee:	10 years
delievery includes:	prefabricated luminaire

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

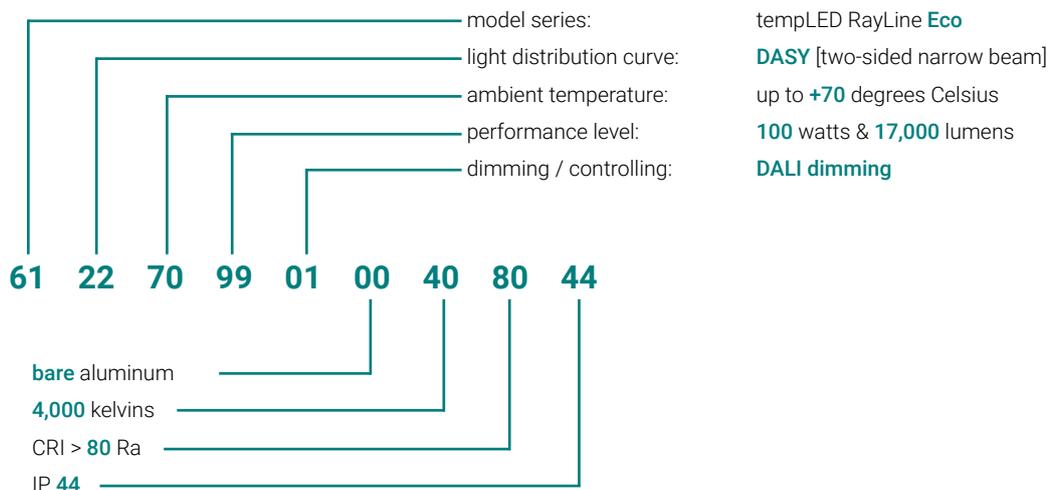
<sup>2</sup> optional luminaire housing colors and finishes: Paintings according to RAL colour chart, powder coatings according to RAL colour chart or synthetic resin coating.

<sup>3</sup> according to the warranty conditions of tempLED GmbH, excluding accessories.

**Logistic information:**

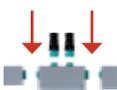
maximum weight per mounting rail unit with 1,68 meter length:	4,400 g
maximum weight per mounting rail unit with 3,36 meter length:	8,600 g
maximum weight per mounting rail unit with 5,04 meter length:	12,900 g
amount of line meter per wooden box:	approx. 200
dimensions per wooden box L x W x H:	5,150 x 796 x 442 mm
net weight per wooden box:	20,000 g

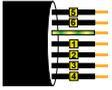
**tempLED RayLine Eco - this is how you order your line luminaire:**  
sample article number



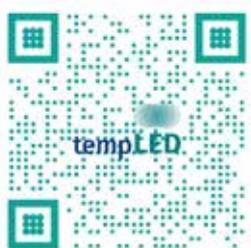
**tempLED RayLine Eco - all variants and options at a glance:**  
article number matrix

model series:	<b>61</b>								tempLED RayLine <b>Eco</b> 7-pole
light distribution curve:		<b>20</b>							<b>ASY</b> [left-sided asymmetric narrow beam]
		<b>21</b>							<b>ASY</b> [right-sided asymmetric narrow beam]
		<b>90</b>							<b>BATWING</b> [approx. 90° symmetric wide beam]
		<b>22</b>							<b>DASY</b> [two-sided asymmetric narrow beam]
		<b>40</b>							<b>INTENSE</b> [approx. 40° symmetric narrow beam]
		<b>12</b>							<b>OPAL</b> [approx. 120° symmetric diffuse light distribution]
ambient temperature:			<b>50</b>						-40 to <b>+50 degrees</b> Celsius
			<b>70</b>						-40 to <b>+70 degrees</b> Celsius
performance level:				<b>25</b>					<b>25</b> watts / approx. <b>4,080</b> lumens
				<b>40</b>					<b>40</b> watts / approx. <b>6,800</b> lumens
				<b>70</b>					<b>70</b> watts / approx. <b>11,900</b> lumens
				<b>99</b>					<b>100</b> watts / approx. <b>17,000</b> lumens
controlling / dimming:					<b>00</b>				<b>on / off</b>
					<b>01</b>				<b>DALI-2 dimming</b>
					<b>11</b>				constant lumen output ( <b>CLO</b> )
housing color:						<b>00</b>			<b>bare</b> aluminium
						<b>01</b>			<b>anodized</b> aluminium
color temperature:							<b>27</b>		<b>2,700</b> kelvins
							<b>30</b>		<b>3,000</b> kelvins
							<b>40</b>		<b>4,000</b> kelvins
							<b>50</b>		<b>5,000</b> kelvins
							<b>65</b>		<b>6,500</b> kelvins
color rendering index:								<b>80</b>	CRI > <b>80</b> Ra
ingress protection:								<b>44</b>	IP <b>44</b>
								<b>55</b>	IP <b>55</b>
								<b>65</b>	IP <b>65</b>

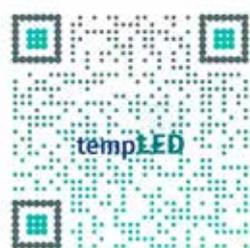
tempLED	System components catalogue RayLine Eco	art.-no.	GTIN / EAN
	<b>mounting rail 1.68</b> , 7-pole single mounting rail for the RayLine Eco line lighting system, length: 1.68 m, wiring: 7 x 2.5 mm <sup>2</sup> , material: aluminum <b>finish: aluminum bare</b> <b>finish: aluminum anodized</b>	061100 061103	4260745234900 4260745234931
	<b>mounting rail 3.36</b> , 7-pole single mounting rail for the RayLine Eco line lighting system, length: 3.36 m, wiring: 7 x 2.5 mm <sup>2</sup> , material: aluminum <b>finish: aluminum bare</b> <b>finish: aluminum anodized</b>	061101 061104	4260745234917 4260745234948
	<b>mounting rail 5.04</b> , 7-pole single mounting rail for the RayLine Eco line lighting system, length: 5.04 m, wiring: 7 x 2.5 mm <sup>2</sup> , material: aluminum <b>finish: aluminum bare</b> <b>finish: aluminum anodized</b>	061102 061105	4260745234924 4260745234955
	<b>rail connector</b> for connecting two mounting rails including a fastening point for steel cable suspension and two rotary knob screws, length: 280 mm, material: aluminum <b>finish: aluminum bare</b> <b>finish: aluminum anodized</b>	699001 699002	4260669193284 4260669199019
	<b>mounting adapter</b> for flexible and freely selectable assembly of new or already installed rope suspensions on the RayLine mounting rails, material: steel, finish: hot-dip galvanized	699009	4260669192744
	<b>ceiling mounting adapter</b> for direct mounting of RayLine 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 699009	699515	4260745233750
	<b>screw hook</b> , 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 699001, 699002 or 699009	090129	4260745233767
	<b>rope suspension</b> , 1 meter rope length: 1.00 m, adjustable suspension length: from 0.10 to 0.90 m, material: steel, finish: natural, for use with 699001, 699002 or 699009	699005	4260669192799
	<b>rope suspension</b> , 3 meters rope length: 1.00 m, adjustable suspension length: from 0.10 to 2.90 m, material: steel, finish: natural, for use with 699001, 699002 or 699009	699006	4260669192805
	<b>rope suspension</b> , 5 meters rope length: 1.00 m, adjustable suspension length: from 0.10 to 4.90 m, material: steel, finish: natural, for use with 699001, 699002 or 699009	699007	4260669192812
	<b>initial feed</b> , 7-pole set for feeding in at the beginning of the RayLine Eco - line lighting system, consisting of 7-pole socket with screw connection and handle, delivery without supply cable	699034	4260745233040
	<b>end feed</b> , 7-pole set for feeding in at the end of the RayLine Eco - line lighting system, consisting of 7-pole plug with screw connection and handle, delivery without supply cable	699035	4260745233057
	<b>midpoint feed</b> , 2 x 7-pole set for feeding in the middle of the RayLine Eco - line lighting system, with mounting rail and blind cover, length 280 mm, material: aluminium, , 1x socket and 1x plug on top, with two plug connectors, delivery without supply cables <b>finish: aluminum bare</b> <b>finish: aluminum anodized</b>	699036 699037	4260745233064 4260745233071

tempLED	System components and accessory catalogue RayLine Eco	art.-no.	GTIN / EAN
	<p><b>supply cable</b>, 7-pole, suitable for all feed systems 7-pole connection cable, ready-for-use, for tempLED RayLine line lighting systems, cable version: H07RN-F 7G2.5, cable colour: black, required quantities: 1x each for the start and end feeds and 2x each for the midpoint feeds <b>length: 1.00 meter</b> <b>length: 3.00 meters</b> <b>length: 5.00 meters</b></p>	699038 699039 699040	4260745233088 4260745233095 4260745233101
	<p><b>connection cable set</b>, 7-pole connection cable set between two line lighting systems, e.g. for bridging roof beams, ventilation shafts, cable stays or similar on-site installations, cable version: H07RN-F 7G2.5 with 7-pole plug ingoing and 7-pole socket outgoing, cable colour: black, cable length: 5.00 m</p>	095027	4260745233590
	<p><b>cable route 1.68</b> cable route for the RayLine Eco line lighting system, length: 1.68 m, side panel height: 60 mm, material: aluminum <b>finish: aluminum bare</b> <b>finish: aluminum anodized</b></p>	060076 060079	4260669195073 4260669193055
	<p><b>cable route 3.36</b> cable route for the RayLine Eco line lighting system, length: 3.36 m, side panel height: 60 mm, material: aluminum <b>finish: aluminum bare</b> <b>finish: aluminum anodized</b></p>	060077 060080	4260669195066 4260669193062
	<p><b>cable route 5.04</b> cable route for the RayLine Eco line lighting system, length: 5.04 m, side panel height: 60 mm, material: aluminum <b>finish: aluminum bare</b> <b>finish: aluminum anodized</b></p>	060078 060081	4260669195059 4260669193079
	<p><b>universal adapter</b> for mounting e.g. hall lights on the RayLine Eco line lighting system, maximum load capacity: 25 kg, material: steel, finish: hot-dip galvanized</p>	699018	4260669199156
	<p><b>small universal adapter</b> for mounting e.g. information signs and traffic mirrors on the RayLine Eco line lighting system, maximum load capacity: 3 kg, material: steel, finish: hot-dip galvanized</p>	699025	4260669199446
	<p><b>universal power output</b>, 5-pole universal power supply output for the RayLine Eco line lighting system, 5-pole socket, maximum load capacity: 230 VAC / 50-60 Hz - 10 A, length: 280 mm, material: aluminum <b>finish: aluminum bare</b> <b>finish: aluminum anodized</b></p>	699019 699020	4260669199279 4260669199286
	<p><b>motion detector system MASTER</b> motion detector in PIR technology for the RayLine Eco line lighting system, detection area: 360 degrees, detection range: approx. 36 meters tangential and approx. 14 meters radial, integrated daylight sensor, guidance light function, suitable for all RayLine Eco line lights with integrated DALI dimming, maximum controllable number of DALI light modules: 30, can only be used at ambient temperatures of max. +50 degrees Celsius, length: 280 mm, material: aluminum <b>finish: aluminum bare</b> <b>finish: aluminum anodized</b></p>	699043 699044	4260491848611 4260491848628
	<p><b>motion detector system SLAVE</b> motion detector in PIR technology for the RayLine Eco line lighting system to expand the surveillance area, detection area: 360 degrees, detection range: approx. 36 meters tangential and approx. 14 meters radial, can only be used in combination with a motion detector system MASTER, can only be used at ambient temperatures of max. +50 degrees Celsius, length: 280 mm, material: aluminum <b>finish: aluminum bare</b> <b>finish: aluminum anodized</b></p>	699045 699046	4260491848635 4260491848642
	<p><b>smart remote for motion detector system</b> IR remote control for user-friendly configuration of the tempLED RayLine Eco motion detector system MASTER via common smartphones with Android or iOS operating system and Bluetooth connection., power supply via 2x AAA battery (not included)</p>	932322	4260745234986

tempLED	Accessory catalogue RayLine Eco	art.-no.	GTIN / EAN
	<b>emergency light module</b> 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 in the luminaire ready for use	699014	4260669198982
	<b>emergency power module for centralized battery systems</b> 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	932271	4260491849953
	<b>Casambi control unit type 10</b> for integrating and controlling the RayLine Eco line lighting system via the Casambi network: suitable for all RayLine Eco line lights with integrated DALI dimming, maximum controllable number of DALI light modules: 10, can only be used at ambient temperatures of max. +50 degrees Celsius, length: 280 mm, material: aluminum <b>finish: aluminum bare</b> <b>finish: aluminum anodized</b>	699012 699021	4260669198968 4260669199293
	<b>Casambi control unit type 60</b> for integrating and controlling the RayLine Eco line lighting system via the Casambi network: suitable for all RayLine Eco line lights with integrated DALI dimming, maximum controllable number of DALI light modules: 60, can only be used at ambient temperatures of max. +50 degrees Celsius, length: 280 mm, material: aluminum <b>finish: aluminum bare</b> <b>finish: aluminum anodized</b>	699022 699023	4260669199309 4260669199316



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