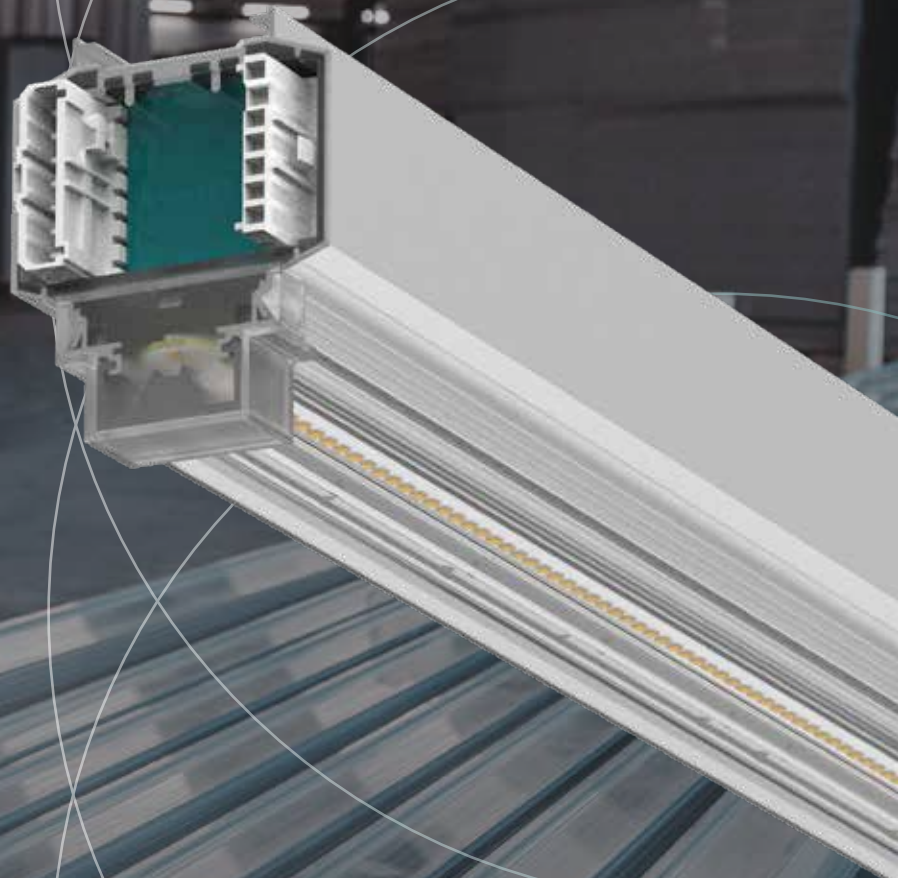


www.tempLED.de



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LINE LIGHTING SYSTEM

# tempLED RayLine Max V2

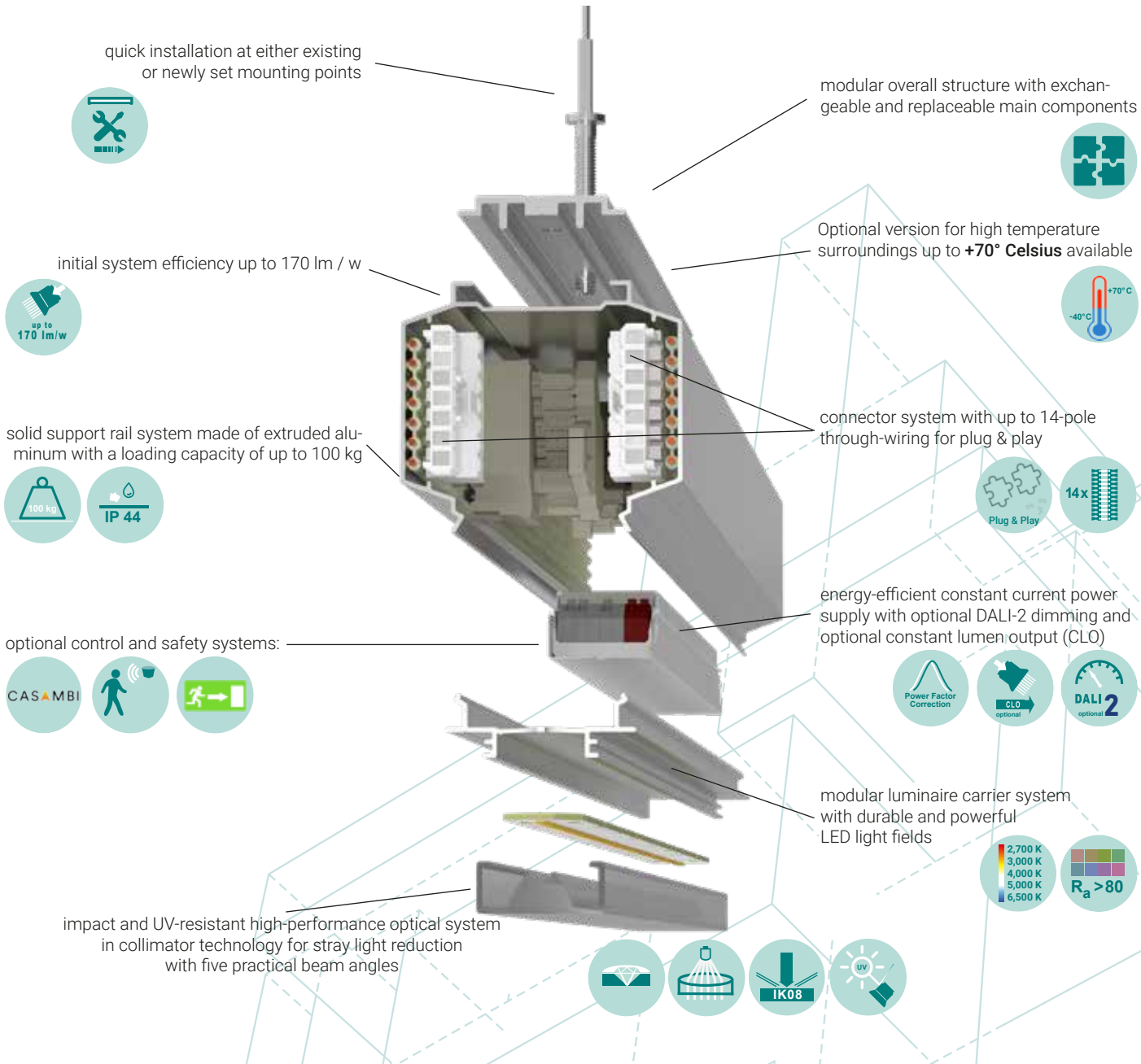
25 | 40 | 70 | 100

HALL LIGHTS 

HIGH TEMPERATURES 

Our customer  
Dinkhauser

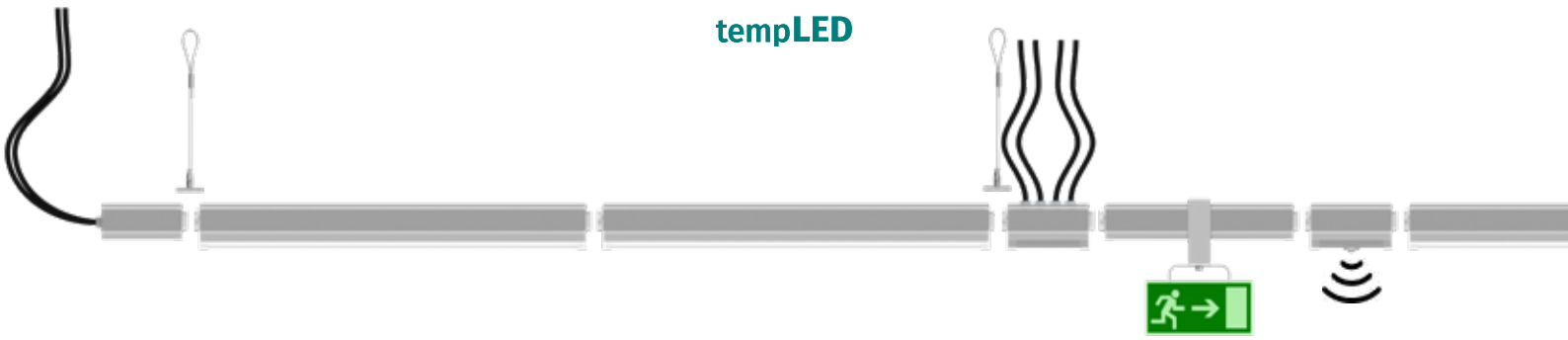
# tempLED



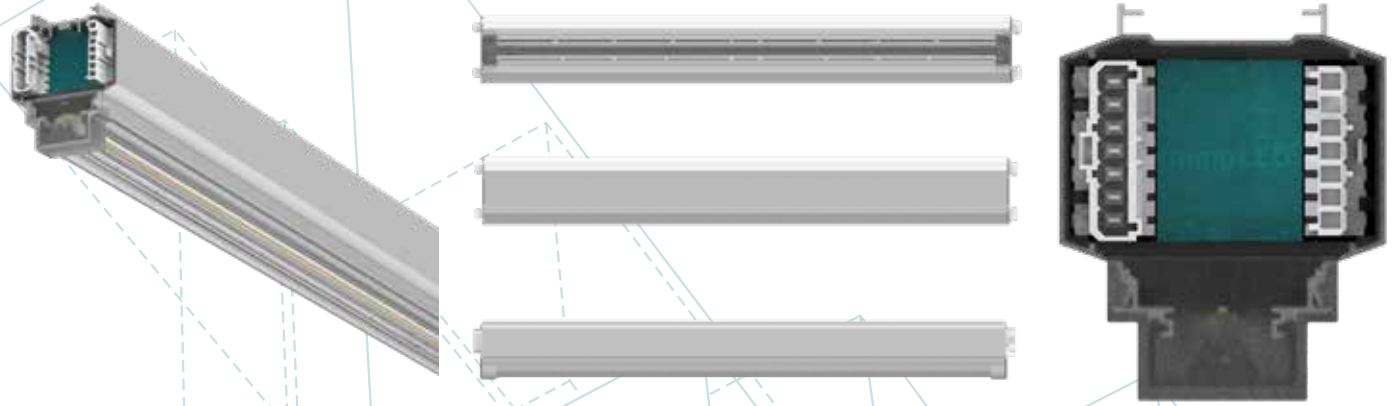
## Light distribution curves tempLED RayLine Max V2 25 | 40 | 70 | 100



tempLED



### tempLED RayLine Max V2



### Dimensions tempLED RayLine Max V2

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

1,680 mm



3,360 mm



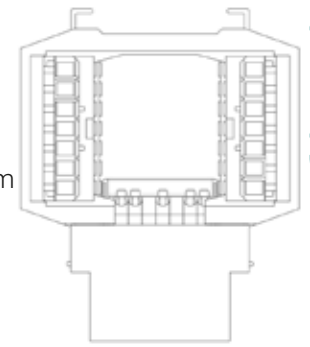
5,040 mm



70.8 mm

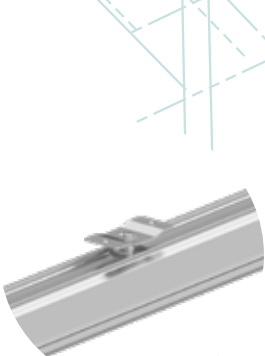


84.2 mm

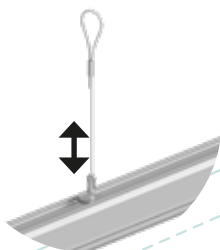


### Mounting options tempLED RayLine Max V2

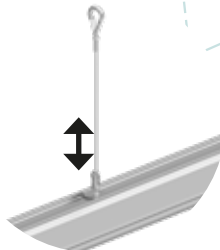
ceiling mounting  
adapter



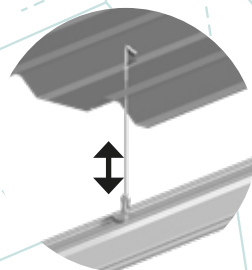
height-adjustable  
rope suspension  
(0.10 - 4.90 m)  
combined with  
loop



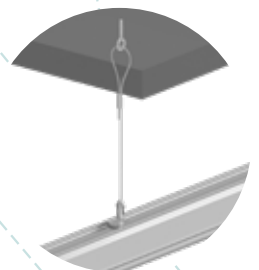
height-adjustable  
rope suspension  
(0.10 - 4.90 m)  
combined with  
carabiner hook



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 <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)   DAS
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
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 Max V2 25:	This product contains a light source of energy efficiency class C.
Valid for all tempLED RayLine Max 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 cable suspension (0.10 to 4.90 m)
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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>
control via the ENLIGHTED network:	optional (types with DALI dimming only) <sup>2</sup>
emergency light module:	optional <sup>3</sup>
human centric lighting:	on request
daylight control system:	optional via Casambi <sup>1</sup> network or SensorSystem <sup>4</sup> (types with DALI dimming only)
occupancy control:	optional via ENLIGHTED <sup>2</sup> or SensorSystem <sup>4</sup> (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 <sup>5</sup>
surface finish:	bare <sup>5</sup>
supply cable inlet:	cable glands
standard number of poles with through-wiring:	10
optional number of poles with through-wiring:	12   14

**Additional information:**

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

<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 0 to +50 degrees Celsius.

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

<sup>5</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>6</sup> DIN 10500 only valid for luminaires with opal polycarbonate diffuser.

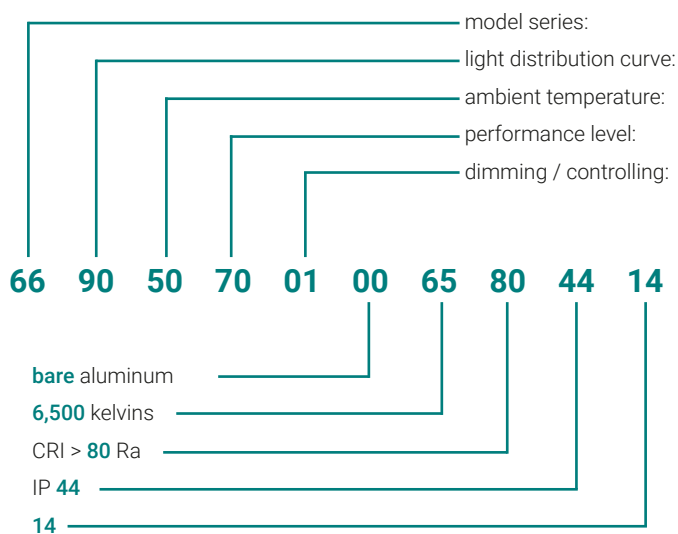
<sup>7</sup> according to the warranty conditions of tempLED GmbH, excluding accessories.

**Logistic information:**

maximum weight per mounting rail unit with 1,68 meter length:	approx. 4,200 g
maximum weight per mounting rail unit with 3,36 meter length:	approx. 8,000 g
maximum weight per mounting rail unit with 5,04 meter length:	approx. 12,000 g
amount of line meter per wooden box:	105,84
dimensions per wooden box L x W x H:	5,131 x 784 x 425 mm
net weight per wooden box:	20,000 g

## tempLED RayLine Max V2 - this is how you order your line light:

sample article number



tempLED RayLine **Max V2**

**BATWING** [approx. 90° wide beam]

up to **+50** degrees Celsius

**70** watts & **11,900** lumens

**DALI-2 dimming**

housing color:

**bare** aluminum

color temperature:

**6,500** kelvins

color rendering index:

CRI > **80** Ra

ingress protection:

IP **44**










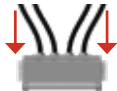
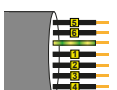

number of poles:

**14**

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




article number matrix

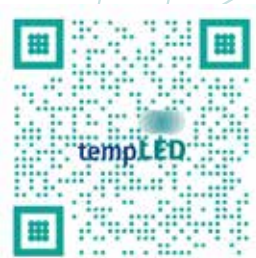
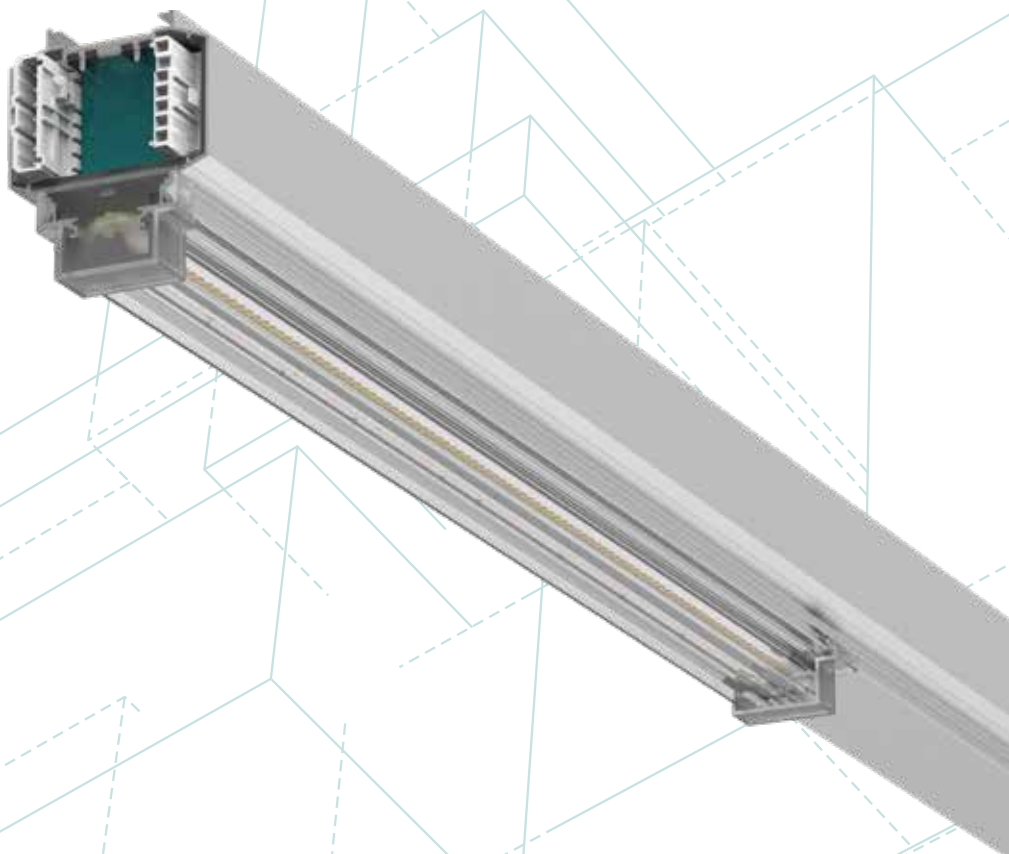
model series:	<b>66</b>									tempLED RayLine <b>Max V2</b>
light distribution curve:	<b>20</b>									<b>ASY</b> [left-sided approx. 20° asymmetric narrow beam]
	<b>21</b>									<b>ASY</b> [right-sided approx. 20° asymmetric narrow beam]
	<b>90</b>									<b>BATWING</b> [approx. 90° symmetric wide beam]
	<b>22</b>									<b>DASY</b> [two-sided approx. 2x20° 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 / <b>4,080</b> lumens
				<b>40</b>						<b>40</b> watts / <b>6,800</b> lumens
				<b>70</b>						<b>70</b> watts / <b>11,900</b> lumens
				<b>99</b>						<b>100</b> watts / <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>				aluminium <b>bare</b>
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 (standard color temperature)
							<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>
number of poles:									<b>10</b>	<b>10-pole</b> with through-wiring
									<b>12</b>	<b>12-pole</b> with through-wiring
									<b>14</b>	<b>14-pole</b> with through-wiring

tempLED	System components catalogue RayLine Max V2	art.-no.	GTIN / EAN
	<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: aluminium, finish: aluminum bare	065500	4260745235396
	<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	065501	4260745235402
	<b>ceiling mounting adapter</b> 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
	<b>screw hook, size M6</b> 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
	<b>rope suspension with loop</b> material: steel, finish: galvanized, for use with 065500 or 065501 <b>rope length: 1.00 m</b> , adjustable suspension length: from 0.10 to 0.90 m <b>rope length: 3.00 m</b> , adjustable suspension length: from 0.10 to 2.90 m <b>rope length: 5.00 m</b> , adjustable suspension length: from 0.10 to 4.90 m	065520 065521 065522	4260745235631 4260745235648 4260745235655
	<b>rope suspension with carabiner hook</b> material: steel, finish: galvanized, for use with 065500 or 065501 <b>rope length: 1.00 m</b> , adjustable suspension length: from 0.10 to 0.90 m <b>rope length: 3.00 m</b> , adjustable suspension length: from 0.10 to 2.90 m <b>rope length: 5.00 m</b> , adjustable suspension length: from 0.10 to 4.90 m	065523 065524 065525	4260745235662 4260745235679 4260745235686
	<b>rope suspension with trapezoidal sheet hook</b> material: steel, finish: galvanized, for use with 065500 or 065501 <b>rope length: 1.00 m</b> , adjustable suspension length: from 0.10 to 0.90 m <b>rope length: 3.00 m</b> , adjustable suspension length: from 0.10 to 2.90 m <b>rope length: 5.00 m</b> , adjustable suspension length: from 0.10 to 4.90 m	065526 065527 065528	4260745235693 4260745235709 4260745235716
	<b>rope suspension with concrete anchor</b> material: steel, finish: galvanized, for use with 065500 or 065501 <b>rope length: 1.00 m</b> , adjustable suspension length: from 0.10 to 0.90 m <b>rope length: 3.00 m</b> , adjustable suspension length: from 0.10 to 2.90 m <b>rope length: 5.00 m</b> , adjustable suspension length: from 0.10 to 4.90 m	065529 065530 065531	4260745235723 4260745235730 4260745235747
	<b>start or end feed as a kit, 14-pole</b> set for self-assembly, for feeding in at the beginning or the end of the RayLine Max V2 line lighting system, two cable glands integrated at the front in size M32 without connection cable integrated in a mounting rail, length: 140 mm, material: aluminium, finish: aluminum bare <b>start feed</b> <b>end feed</b>	066501 066502	4260745237741 4260745237864
	<b>center feed as a kit, 2 x 14-pole</b> set for self-assembly, for feeding in in the center of the RayLine Max V2 line lighting system, four 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 <b>without through-wiring</b> <b>with through-wiring</b>	066503 066504	4260745237611 4260745237628
	<b>supply cable, 7-pole, suitable for all feed systems</b> 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: grey, required quantities: 1x each for the start and end feeds and 2x each for the center feeds <b>length: 1.00 meter</b> <b>length: 3.00 meters</b> <b>length: 5.00 meters</b>	699038 699039 699040	4260745233088 4260745233095 4260745233101
	<b>connection cable set as a kit, 2 x 7-pole</b> 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 <b>length: 1.00 meter</b> <b>length: 3.00 meters</b> <b>length: 5.00 meters</b>	066516 066517 066518	4260745237710 4260745237727 4260745237734

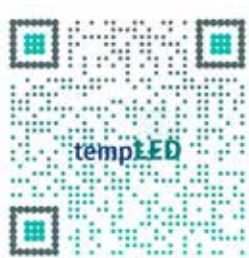




tempLED	Accessory catalogue RayLine Max V2	art.-no.	GTIN / EAN
	<b>Casambi control unit type 10</b> for integrating and controlling the RayLine Max V2 line lighting system via the Casambi network: suitable for all RayLine Max V2 line lights with integrated DALI/DALI-2 dimming, maximum controllable, number 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	066511	4260745237666
	<b>Casambi control unit type 60</b> for integrating and controlling the RayLine Max V2 line lighting system via the Casambi network: suitable for all RayLine Max 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	066512	4260745237673
	<b>ENLIGHTED control unit</b> for controlling the tempLED RayLine Max V2 line lighting system via the ENLIGHTED network; suitable for all tempLED RayLine Max V2 line lights with integrated DALI/DALI-2 dimming, integrated motion detector with passive infrared (PIR) technology, detection range: 360 degrees, maximum mounting height: 12 meters, detection area: maximum 28 x 28 meters (at 12 meter mounting height), integrated daylight sensor, controllable number of luminaire mounting rails: 1 (optionally with 1.68, 3.36 or 5.04 meters), Bluetooth 4.0 - mesh network at 2,400-2,483.5 MHz with 128-bit AES encryption, mesh network range: approx. 46 x 46 meters (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 <b>Important note:</b> On-site commissioning and programming by specialised personnel required.	777047	4260745238786



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download portal



Direct link to the tempLED-  
product configurator



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LED is the future.

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