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RECESSED CEILING SPOTLIGHT SYSTEM

tempLED RayDown

8 | 20

OFFICE LIGHTING 

tempLED



initial system efficiency up to 120 lm / w



high-performance heat sink with chimney effect

solid and powder-coated aluminium luminaire housing



durable and bright LED light field



according to standard IK05 impact resistant diffuser made of polycarbonate for glare free lighting



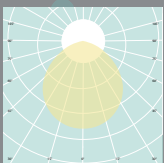
quick and easy snap-in installation with spring clips



optional control and safety systems:

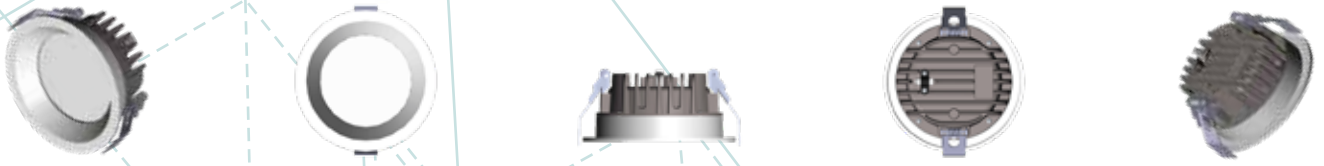


Light distribution curve tempLED RayDown 8 | 20

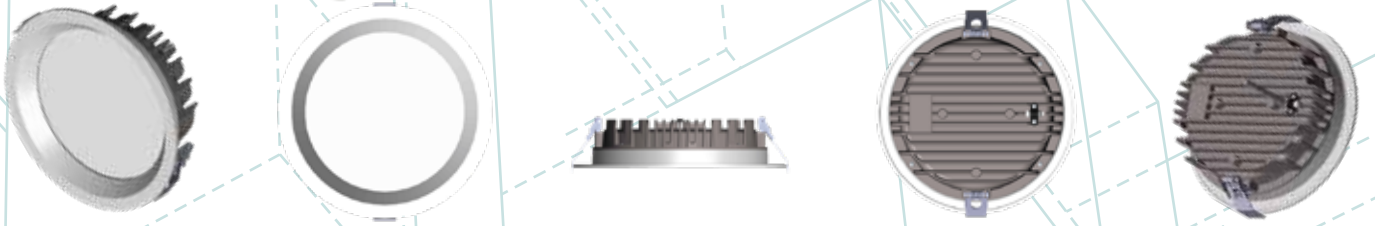


100 degrees symmetrical

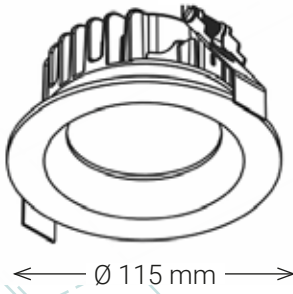
example pictures tempLED RayDown
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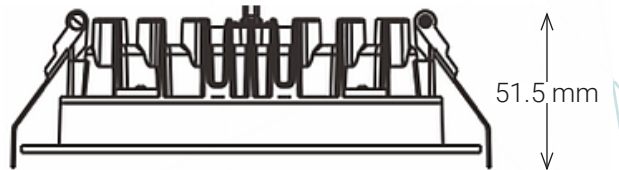
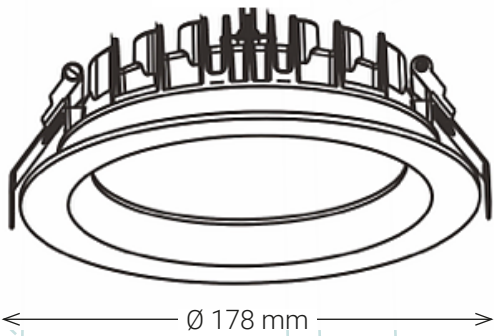
example pictures tempLED RayDown
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Dimensions tempLED RayDown
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Dimensions tempLED RayDown
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General technical data

according to IEC, identical for all types of luminaires



Lighting properties:

initial luminous flux:	960 to 2,400 lumens
luminous flux tolerance:	± 10 percent
initial system efficiency:	up to 120 lumens / watt
initial, most similar color temperature:	4.000 kelvins ¹
initial color rendering index (CRI):	Ra > 80
initial color consistency:	< 6 SDCM
available symmetrical beam angles:	100 degrees
photobiological safety:	IEC/TR 62778: 1
compact flicker degree (CFD):	1 percent
stroboscopic visibility measurement (SVM):	0,001
short time flicker (Pst LM):	0,007

Electrotechnical properties:

power supply AC:	220 to 240 volts
supply frequency:	50 / 60 hertz
system performance:	8 and 20 watts
system performance tolerance:	± 10 percent
power factor:	> 0,90
overvoltage protection:	yes
overheating protection:	yes
temperature monitoring:	yes
total harmonic distortion (THD):	< 18 percent
temperature classification (ATEX):	T5
Tc - temperature:	+90 degrees Celsius

Energy characteristics:

Valid for all tempLED RayDowns: This product contains a light source of energy efficiency class E.

Mounting options:

standard mounting options: recessed ceiling mounting

¹ additional color temperatures on request.

Control and safety properties:

dimming:	DALI-2 or TRIAC optional
minimum dimming level:	20 percent
constant lumen output (CLO):	optional
emergency light module:	optional ¹
human centric lighting:	on request

Housing properties:

ambient temperature:	-20 to +45 degrees celsius
ingress protection (in installed condition):	IP 54
impact resistance level:	IK05
electrical protection class:	II
housing and heat sink material(s):	die-cast aluminum
spring clips material and finish:	natural steel
cover plate material:	impact-resistant polycarbonate
cover plate finish:	opaque
luminaire housing color:	pure white according to RAL 9010 ²
surface finish:	powder coating ²
supply cable connection type	2x0,50 qmm
supply cable length to the power supply:	30 centimeters
supply cable length between power supply and luminaire:	30 centimeters
supply cable connection type:	open cable end
number of poles:	2 grid 2 grid / 2 DALI

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 ³
spare part guarantee:	10 years
delivery includes:	luminaire, power supply, 2x spring clips

¹ can only be used at ambient temperatures from +5 to +45 degrees Celsius.

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

³ according to the warranty conditions of tempLED GmbH, excluding accessories.


Logistic information:

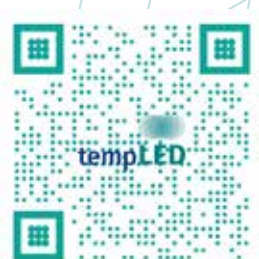
luminaire:	RayDown 8	RayDown 20
number of luminaires per package:	1	1
number of luminaires per master carton:	36	18
number of luminaires per pallet:	600	360
weight of the luminaire:	480 g	780 g
weight per package:	550 g	850 g
package dimensions L x W x H:	120 x 120 x 90 mm	195 x 220 x 70 mm
weight per master carton:	19,800 g	15,300 g
master carton dimensions L x W x H:	500 x 380 x 260 mm	610 x 430 x 240 mm

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tempLED	RayDown 8 - 100	RayDown 8 - 100	RayDown 8 - 100
article number:	880101	880102	880103
GTIN / EAN:	4260745235761	4260745235778	4260745235785
initial luminous flux:	960 lm	960 lm	960 lm
initial system efficiency:	120 lm/W	120 lm/W	120 lm/W
initial, most similar color temperature:	4,000 K	4,000 K	4,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	100 degrees	100 degrees	100 degrees
dimming / control:	none	DALI-2	TRIAC
system performance:	8 W	8 W	8 W
power consumption:	0.035 A	0.035 A	0.035 A
maximum inrush current:	10 A	4 A	10 A
dimensions (Ø x H):	115 x 51.5 mm	115 x 51.5 mm	115 x 51.5 mm
hole cut out Ø:	90 to 105 mm	90 to 105 mm	90 to 105 mm
MOQ:	500	500	500

tempLED	RayDown 20 - 100	RayDown 20 - 100	RayDown 20 - 100
article number:	880104	880105	880106
GTIN / EAN:	4260745235792	4260745235808	4260745235815
initial luminous flux:	2,400 lm	2,400 lm	2,400 lm
initial system efficiency:	120 lm/W	120 lm/W	120 lm/W
initial, most similar color temperature:	4,000 K	4,000 K	4,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	100 degrees	100 degrees	100 degrees
dimming / control:	none	DALI-2	TRIAC
system performance:	20 W	20 W	20 W
power consumption:	0.090 A	0.090 A	0.090 A
maximum inrush current:	60 A	4,5 A	60 A
dimensions (Ø x H):	178 x 51.5 mm	178 x 51.5 mm	178 x 51.5 mm
hole cut out Ø:	150 to 165 mm	150 to 165 mm	150 to 165 mm
MOQ:	500	500	500

tempLED	Accessory catalogue RayDown	art.-no.	GTIN / EAN
	emergency light module with automatic detection of failure and return of supply voltage, display of functional status, for installation in the suspended ceiling, space requirement: approx. 350 x 120 x 75 mm, battery type: LiFePO4, running time approx. 3 hours with an output power of approx. 3,5 watts, recharging time: approx. 24 hours, can only be used at ambient temperatures from +5 to +45 degrees Celsius	880900	4260745237338



Direct link to the tempLED download portal



LED is sustainable.
LED is the future.

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

When will you start?