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tempLED

WALL AND CEILING MOUNTED LIGHT

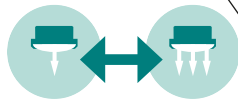
tempLED RayFlat

15 | 20 | 36

OFFICE LIGHTING 

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1 luminaire =
3 selectable
power levels¹



modular overall structure
with exchangeable and repla-
ceable main components



according to standard
IK10 impact resistant
housing made
of polycarbonate



optional control and
safety systems



durable and bright LED light
field with switchable color
temperature between 3,000,
4,000 and 6,000 kelvins

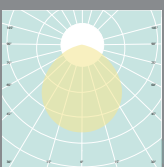


initial system efficiency
up to 145 lm / w



¹ only for luminaires without build-in HF presence detector and without DALI-2 dimming.

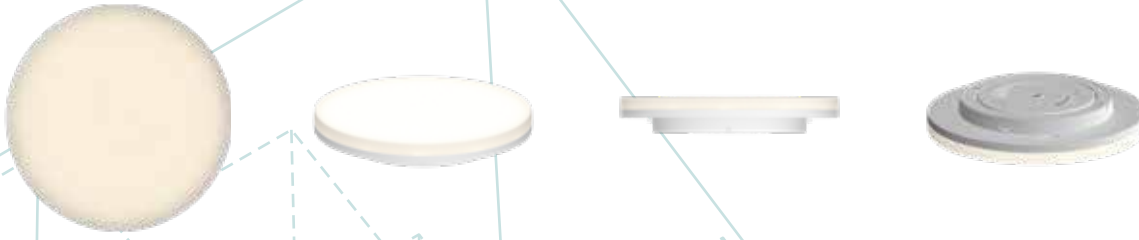
Light distribution curve tempLED RayFlat 15 | 20 | 36



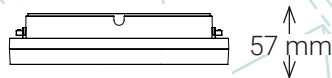
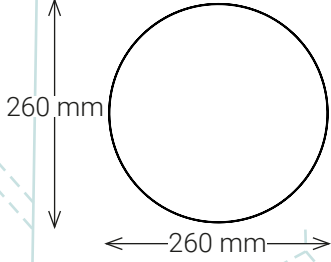
170 degrees symmetrical

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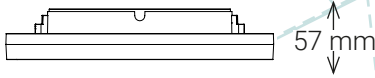
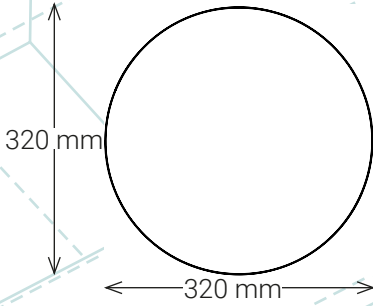
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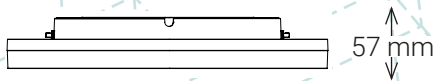
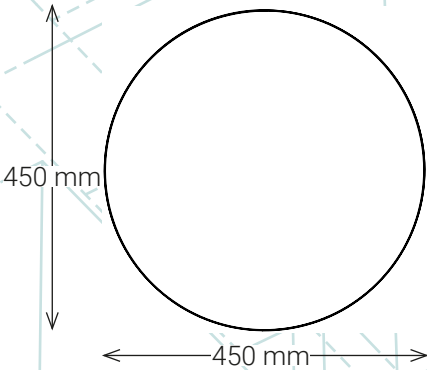
Dimensions tempLED RayFlat 15



Dimensions tempLED RayFlat 20



Dimensions tempLED RayFlat 36



Mounting options tempLED RayFlat 15 | 20 | 36

ceiling mounting



wall mounting



General technical data

according to IEC, identical for all types of luminaires



Lighting properties:

initial luminous flux:	1,160 to 5,220 lumens
luminous flux tolerance:	± 10 percent
initial system efficiency:	up to 145 lumens / watt
initial, most similar color temperature:	switchable between 3,000, 4,000 and 6,000 kelvins
initial color rendering index (CRI):	Ra > 80
initial color consistency:	< 3 SDCM
available symmetrical beam angles:	150 degrees
photobiological safety:	IEC/TR 62778: 0
compact flicker degree (CFD):	1 percent
stroboscopic visibility measurement (SVM):	≤ 0,05
short time flicker (Pst LM):	≤ 0,05

Electrotechnical properties:

power supply AC:	220 to 240 volts
supply frequency:	50 / 60 hertz
power supply DC (valid for models without build-in HF presence detector only):	176 to 250 volts
system performance:	8 to 36 watts
system performance tolerance:	± 10 percent
power factor:	> 0,90
overvoltage protection:	yes
overheating protection:	yes
temperature monitoring:	yes
total harmonic distortion (THD):	< 15 percent
temperature classification (ATEX):	T6
Tc - temperature:	+85 degrees celsius

Energy characteristics:

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

standard mounting options:	wall and ceiling mounting
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Control properties:

dimming:	DALI-2 optional
presence detection:	optional with direct build-in HF presence detector
emergency light module:	on request ¹

Housing properties:

ambient temperature:	-20 to +40 degrees celsius
ingress protection:	IP 54
impact resistance level:	IK10
electrical protection class:	II
limited surface temperatur (D):	yes
housing material:	polycarbonate
diffuser material:	polycarbonate
diffuser finish:	opal
luminaire housing color:	pue white according to RAL 9010
supply cable in- and outlet:	cable gland
number of poles (for models without dimming):	2 grid
number of poles (for models with DALI dimming):	2 grid / 2 DALI

Additional information:

certificates:	ENEC in preparation
conformities:	CE RoHS
lifespan (L70B10C1):	approx. 50,000 hours
lifespan (L90B10C1):	approx. 30,000 hours
guarantee:	5 years ²
spare part guarantee:	10 years
delievery includes:	luminaire


¹ can only be used at ambient temperatures from +5 to +40 degrees Celsius.

² according to the warranty conditions of tempLED GmbH, excluding accessories.


Logistic information:


luminaire:	RayFlat 15	RayFlat 20	RayFlat 36
number of luminaires per package:	1	1	1
number of luminaires per master carton:	10	10	5
number of luminaires per pallet:	300	300	80
weight of the luminaire:	780 g	1,070 g	2,190 g
weight per package:	930 g	1,240 g	2,390 g
package dimensions L x W x H:	275 x 65 x 275 mm	335 x 65 x 335 mm	465 x 465 x 85 mm
weight per master carton:	10,170 g	13,850 g	13,240 g
master carton dimensions L x W x H:	560 x 360 x 305 mm	690 x 360 x 360 mm	490 x 480 x 445 mm

tempLED 15

	RayFlat 15 - 150 CCT	RayFlat 15 - 150 CCT DALI	RayFlat 15 - 150 CCT HF
article number:	830022	830023	830021
GTIN / EAN:	4262493351014	4262493351021	4262493351007
initial luminous flux at 3,000 K:	1,040 lm 1,300 lm 1,950 lm	1,950 lm	1,950 lm
initial luminous flux at 4,000 K:	1,160 lm 1,450 lm 2,175 lm	2,175 lm	2,175 lm
initial luminous flux at 6,000 K:	1,096 lm 1,370 lm 2,055 lm	2,055 lm	2,055 lm
initial system efficiency at 3,000 K:	130 lm/W	130 lm/W	130 lm/W
initial system efficiency at 4,000 K:	145 lm/W	145 lm/W	145 lm/W
initial system efficiency at 6,000 K:	137 lm/W	137 lm/W	137 lm/W
initial, most similar color temperature:	switchable between 3,000, 4,000 and 6,000 K	switchable between 3,000, 4,000 and 6,000 K	switchable between 3,000, 4,000 and 6,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	150 degrees	150 degrees	150 degrees
dimming / control:	none	DALI-2	 build-in HF presence detector ¹
system performance:	switchable between 8 / 10 / 15 W	15 W	15 W
power consumption:	up to 0.07 A	0.07 A	0.07 A
maximum inrush current:	5 A	5 A	22 A
dimensions (Ø x H):	260 x 57 mm	260 x 57 mm	260 x 57 mm

tempLED 20

	RayFlat 20 - 150 CCT	RayFlat 20 - 150 CCT DALI	RayFlat 20 - 150 CCT HF
article number:	830025	830026	830024
GTIN / EAN:	4262493351618	4262493351625	4262493351038
initial luminous flux at 3,000 K:	1,300 lm 1,950 lm 2,600 lm	2,600 lm	2,600 lm
initial luminous flux at 4,000 K:	1,450 lm 2,175 lm 2,900 lm	2,900 lm	2,900 lm
initial luminous flux at 6,000 K:	1,370 lm 2,055 lm 2,740 lm	2,740 lm	2,740 lm
initial system efficiency at 3,000 K:	130 lm/W	130 lm/W	130 lm/W
initial system efficiency at 4,000 K:	145 lm/W	145 lm/W	145 lm/W
initial system efficiency at 6,000 K:	137 lm/W	137 lm/W	137 lm/W
initial, most similar color temperature:	switchable between 3,000, 4,000 and 6,000 K	switchable between 3,000, 4,000 and 6,000 K	switchable between 3,000, 4,000 and 6,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	150 degrees	150 degrees	150 degrees
dimming / control:	none	DALI-2	 build-in HF presence detector ¹
system performance:	switchable between 10 / 15 / 20 W	20 W	20 W
power consumption:	up to 0.09 A	0.09 A	0.09 A
maximum inrush current:	5 A	5 A	22 A
dimensions (Ø x H):	320 x 57 mm	320 x 57 mm	320 x 57 mm


 ¹ HF presence detector, sensor frequency: 5.80 GHz ± 75 MHz, transmission power: < 0.3 mW, maximum mounting height: 4 meters, detection range: 6 x 6 meters (at 4 meters installation height), detection angle: 360 degrees, light sensor for activating the HF presence detector at 25 lux (can be switched off), programmable via DIP switch.


tempLED 36

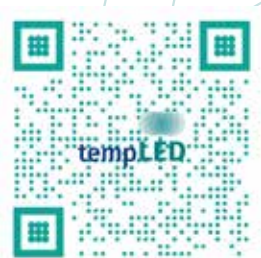
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	RayFlat 36 - 150 CCT	RayFlat 36 - 150 CCT DALI	RayFlat 36 - 150 CCT HF
article number:	830028	830029	830027
GTIN / EAN:	4262493351649	4262493351656	4262493351632
initial luminous flux at 3,000 K:	3,640 lm 4,160 lm 4,680 lm	4,680 lm	4,680 lm
initial luminous flux at 4,000 K:	4,060 lm 4,640 lm 5,220 lm	5,220 lm	5,220 lm
initial luminous flux at 6,000 K:	3,836 lm 4,384 lm 4,932 lm	4,932 lm	4,932 lm
initial system efficiency at 3,000 K:	130 lm/W	130 lm/W	130 lm/W
initial system efficiency at 4,000 K:	145 lm/W	145 lm/W	145 lm/W
initial system efficiency at 6,000 K:	137 lm/W	137 lm/W	137 lm/W
initial, most similar color temperature:	switchable between 3,000, 4,000 and 6,000 K	switchable between 3,000, 4,000 and 6,000 K	switchable between 3,000, 4,000 and 6,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	150 degrees	150 degrees	150 degrees
dimming / control:	none	DALI-2	 build-in HF presence detector ¹
system performance:	switchable between 28 / 32 / 36 W	36 W	36 W
power consumption:	up to 0.16 A	0.16 A	0.16 A
maximum inrush current:	5 A	5 A	22 A
dimensions (Ø x H):	450 x 57 mm	450 x 57 mm	450 x 57 mm

 ¹ HF presence detector, sensor frequency: 5.80 GHz ± 75 MHz, transmission power: < 0.3 mW, maximum mounting height: 4 meters, detection range: 6 x 6 meters (at 4 meters installation height), detection angle: 360 degrees, light sensor for activating the HF presence detector at 25 lux (can be switched off), programmable via DIP switch.



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?