

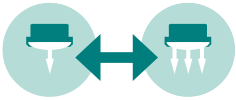
RETROFIT WALL AND CEILING MOUNTED LIGHT

tempLED RayFlat Kit

15 | 25

tempLED

1 luminaire =
3 selectable
power levels¹



optional control and
safety systems



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



modular overall structure
with exchangeable and repla-
ceable main components



magnetic quick
assembly system



impact-resistant

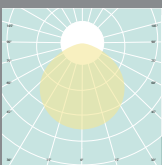


initial system efficiency
up to 120 lm / w



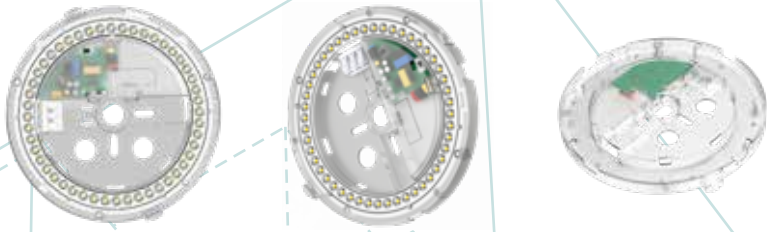
¹ only for luminaires without DALI-2 dimming.

Light distribution curve tempLED RayFlat Kit 15 | 25

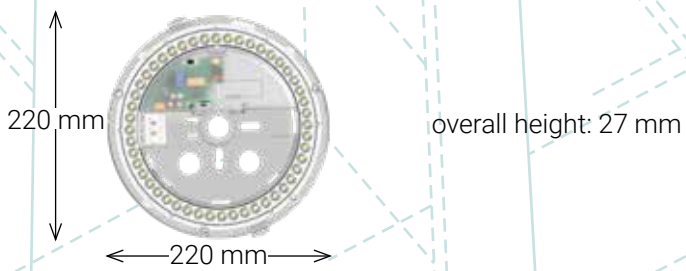


170 degrees symmetrical

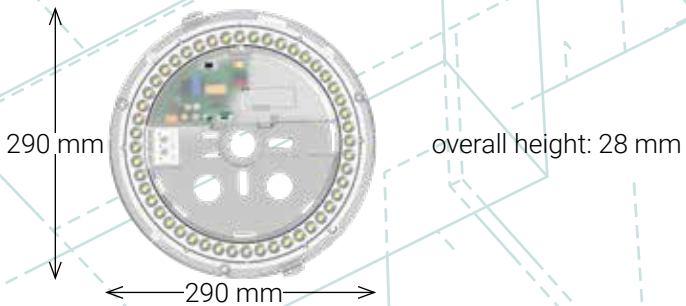
tempLED RayFlat Kit
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Dimensions tempLED RayFlat Kit
15



Dimensions tempLED RayFlat Kit
25



Mounting options tempLED RayFlat Kit
15 | 25

magnetic quick assembly system



screw mounting



General technical data

according to IEC, identical for all types of luminaires



Lighting properties:

initial luminous flux:	from up to 1,080 up to 3,000 lumens
luminous flux tolerance:	± 10 percent
initial system efficiency:	up to 120 lumens / watt
initial, most similar color temperature:	switchable between 3,000 kelvins and 4,000 kelvins ¹
initial color rendering index (CRI):	Ra > 80
initial color consistency:	< 3 SDCM
available symmetrical beam angles:	170 degrees
photobiological safety:	IEC/TR 62778: 0
compact flicker degree (CFD):	1 percent
stroboscopic visibility measurement (SVM):	≤ 0,4
short time flicker (Pst LM):	≤ 1,0

Electrotechnical properties:

power supply AC:	220 to 240 volts
supply frequency:	50 / 60 hertz
system performance:	15 to 25 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 Kit:	This product contains a light source of energy efficiency class E.
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Mounting options:

standard mounting options:	magnetic quick assembly system, screw mounting
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¹ additional color temperatures on request.

Control properties:

dimming:	DALI-2 optional
presence control:	optional via HF presence detector (types without DALI dimming only)
emergency light module:	optional ¹

Housing properties:

ambient temperature:	-20 to +40 degrees celsius
ingress protection:	IP 00
impact resistance level:	IK03
electrical protection class:	II
limited surface temperatur (D):	yes
luminaire carrier material:	polycarbonate
luminaire carrier color:	traffic white according to RAL 9016 and clear
number of poles (for models without dimming):	2 grid
number of poles (for models with DALI-2 dimming):	2 grid / 2 DALI

Additional information:

certificates:	ENEC in preparation
conformities:	CE RoHS
lifespan (L70B10C1):	approx. 100,000 hours
lifespan (L90B10C1):	approx. 50,000 hours
guarantee:	5 years ²
spare part guarantee:	10 years
delievery includes:	luminaire

¹ can only be used at ambient temperatures from 0 to +40 degrees Celsius.

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

Logistic information:

luminaire:	RayFlat Kit 15	RayFlat Kit 25
number of luminaires per package:	---	---
number of luminaires per master carton:	8	8
number of luminaires per pallet:	576	256
weight of the luminaire:	250 g	400 g
weight per package:	---	---
package dimensions L x W x H:	---	---
weight per master carton:	2,560 g	4,100 g
master carton dimensions L x W x H:	255 x 255 x 275 mm	355 x 355 x 275 mm



tempLED 15

	RayFlat Kit 15 - 170 CCT	RayFlat Kit 15 - 170 CCT DALI
article number:	830005	830007
GTIN / EAN:	4262493351045	4262493351069
initial luminous flux at 3,000 K:	1,080 lm 1,296 lm 1,620 lm	1,620 lm
initial luminous flux at 4,000 K:	1,200 lm 1,440 lm 1,800 lm	1,800 lm
initial system efficiency at 3,000 K:	108 lm/W	108 lm/W
initial system efficiency at 4,000 K:	120 lm/W	120 lm/W
initial, most similar color temperature:	switchable between 3,000 K and 4,000 K	switchable between 3,000 K and 4,000 K
light distribution:	symmetrical	symmetrical
beam angle:	170 degrees	170 degrees
dimming / control:	none	DALI-2
system performance:	switchable between 10 W 12 W 15 W	15 W
power consumption:	up to 0.07 A	0.07 A
maximum inrush current:	16 A	17 A
dimensions (Ø x H):	220 x 27 mm	220 x 27 mm

tempLED 15

	RayFlat Kit 15 - 170 CCT EL	RayFlat Kit 15 - 170 CCT DALI EL
article number:	830001	830003
GTIN / EAN:	4262493351090	4262493351694
initial luminous flux at 3,000 K:	1,080 lm 1,296 lm 1,620 lm	1,620 lm
initial luminous flux at 4,000 K:	1,200 lm 1,440 lm 1,800 lm	1,800 lm
initial system efficiency at 3,000 K:	108 lm/W	108 lm/W
initial system efficiency at 4,000 K:	120 lm/W	120 lm/W
initial, most similar color temperature:	switchable between 3,000 K and 4,000 K	switchable between 3,000 K and 4,000 K
light distribution:	symmetrical	symmetrical
beam angle:	170 degrees	170 degrees
dimming / control:	emergency light module ¹	DALI-2 and emergency light module ¹
system performance:	switchable between 10 W 12 W 15 W	15 W
power consumption:	up to 0.07 A	0.07 A
maximum inrush current:	16 A	17 A
dimensions (Ø x H):	220 x 27 mm	220 x 27 mm

¹ 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. 3,5 watts, recharging time: approx. 24 hours, can only be used at ambient temperatures from 0 to +40 degrees Celsius integrated in the luminaire housing ready-to-use.

tempLED

Accessory catalogue RayFlat Kit

art.-no.

GTIN / EAN



HF presence detector for recessed installation suitable only for luminaires without DALI-2 dimming
 sensor frequency: 5.80 GHz ± 75 MHz, transmission power: < 1 mW, maximum mounting height:
 3 meters, detection range: 6 x 6 meters (at 3 meters mounting height), detection angle:
 360 degrees, light sensor for activating the RF presence detector, power supply:
 220 - 240 VAC, 50/60 Hz, programmable via integrated DIP switch

830050

4262493351083



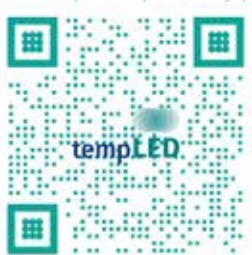
tempLED 25

	RayFlat Kit 25 - 170 CCT	RayFlat Kit 25 - 170 CCT DALI
article number:	830006	830008
GTIN / EAN:	4262493351052	4262493351076
initial luminous flux at 3,000 K:	1,620 lm 2,160 lm 2,700 lm	2,700 lm
initial luminous flux at 4,000 K:	1,800 lm 2,400 lm 3,000 lm	3,000 lm
initial system efficiency at 3,000 K:	108 lm/W	108 lm/W
initial system efficiency at 4,000 K:	120 lm/W	120 lm/W
initial, most similar color temperature:	switchable between 3,000 K and 4,000 K	switchable between 3,000 K and 4,000 K
light distribution:	symmetrical	symmetrical
beam angle:	170 degrees	170 degrees
dimming / control:	none	DALI-2
system performance:	switchable between 15 W 20 W 25 W	25 W
power consumption:	up to 0.12 A	0.12 A
maximum inrush current:	19 A	20 A
dimensions (Ø x H):	290 x 28 mm	290 x 28 mm

tempLED 25

	RayFlat Kit 25 - 170 CCT EL	RayFlat Kit 25 - 170 CCT DALI EL
article number:	830002	830004
GTIN / EAN:	4262493351106	4262493351700
initial luminous flux at 3,000 K:	1,620 lm 2,160 lm 2,700 lm	2,700 lm
initial luminous flux at 4,000 K:	1,800 lm 2,400 lm 3,000 lm	3,000 lm
initial system efficiency at 3,000 K:	108 lm/W	108 lm/W
initial system efficiency at 4,000 K:	120 lm/W	120 lm/W
initial, most similar color temperature:	switchable between 3,000 K and 4,000 K	switchable between 3,000 K and 4,000 K
light distribution:	symmetrical	symmetrical
beam angle:	170 degrees	170 degrees
dimming / control:	emergency light module ¹	DALI-2 and emergency light module ¹
system performance:	switchable between 15 W 20 W 25 W	25 W
power consumption:	up to 0.12 A	0.12 A
maximum inrush current:	19 A	20 A
dimensions (Ø x H):	290 x 28 mm	290 x 28 mm

¹ 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. 3,5 watts, recharging time: approx. 24 hours, can only be used at ambient temperatures from 0 to +40 degrees Celsius integrated in the luminaire housing ready-to-use.



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?