



OFFICE- AND WORKPLACE LIGHT

# tempLED RaySquare V2

36

# tempLED



modular overall structure with exchangeable and replaceable main components



solid luminaire housing



initial system efficiency up to 130 lm / w



variable mounting possibilities

energy-efficient constant current power supply with optional DALI-2 dimming or optional constant lumen output (CLO)



Power Factor Correction



CLO optional



DALI 2 optional

UGR up to <19

UGR up to <19

optional control and safety systems:



impact-resistant cover plate made of PS



durable and bright LED light field

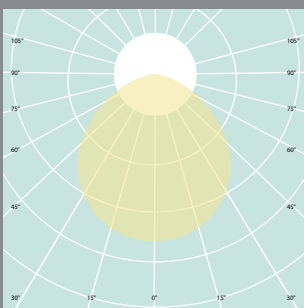


4,000 K



R<sub>a</sub> > 80

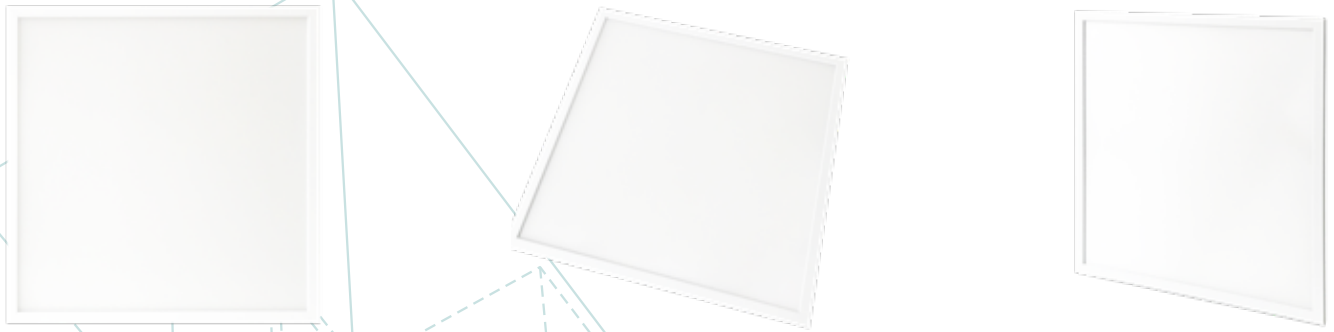
## Light distribution curve tempLED RaySquare V2 36



120 degrees symmetrical

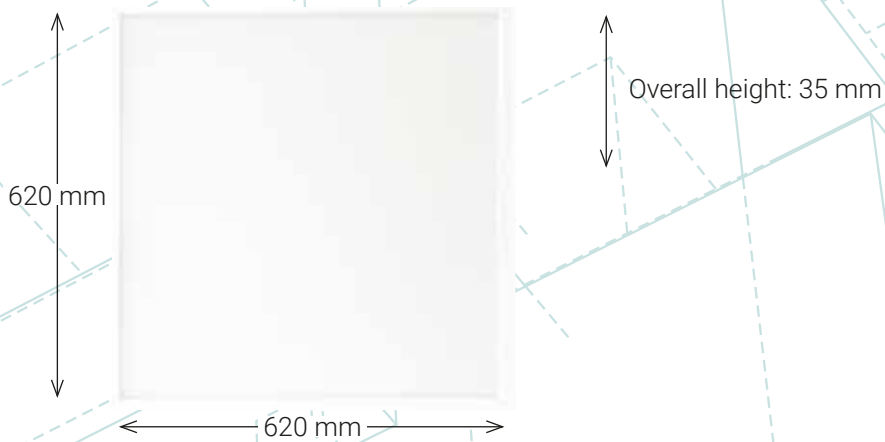
## tempLED RaySquare V2

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## Dimensions tempLED RaySquare V2

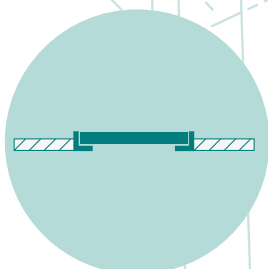
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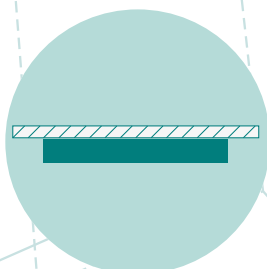
## Mounting options tempLED RaySquare V2

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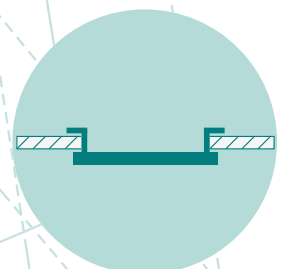
recessed ceiling mouting



wall or ceiling mounting\*



mounting in plaster ceiling\*



\* requires separate mounting accessories

## General technical data

according to IEC, identical for all types of luminaires



### Lighting properties:

initial luminous flux:	4,680 lumens
luminous flux tolerance:	± 10 percent
initial system efficiency:	up to 130 lumens / watt
initial, most similar color temperature:	4,000 kelvins <sup>1</sup>
initial color rendering index (CRI):	Ra > 80
initial color consistency:	< 6 SDCM
unified glare rating (UGR):	up to < 19
available symmetrical beam angles:	120 degrees
photobiological safety:	IEC/TR 62778: 1
compact flicker degree (CFD):	1 percent
stroboscopic visibility measurement (SVM):	≤ 0,4
short time flicker (Pst LM):	≤ 1

### Electrotechnical properties:

power supply AC:	220 to 240 volts
supply frequency:	50 / 60 hertz
system performance:	36 watts
system performance tolerance:	± 10 percent
power factor:	> 0.90
overvoltage protection:	yes
overheating protection:	yes
temperature monitoring:	yes
total harmonic distortion (THD):	< 20 percent
temperature classification (ATEX):	T5
Tc - temperature:	+90 degrees Celsius

### Energy characteristics:

Valid for all tempLED RaySquare V2:	This product contains a light source of energy efficiency class D.
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### Mounting options:

standard mounting options:	recessed ceiling mouting
optional mounting options:	wall and ceiling mounting mouting in plaster ceiling

<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
emergency light module:	optional <sup>1</sup>
human centric lighting:	on request

**Housing properties:**

ambient temperature:	-20 to +45 degrees Celsius
ingress protection:	IP 20
impact resistance level:	IK04
electrical protection class:	II
housing and heat sink material(s):	aluminum
cover plate material:	impact-resistant PS
cover plate finish:	light directing foil
luminaire housing color:	traffic white according to RAL 9016 <sup>2</sup>
surface finish:	powder coating <sup>2</sup>
supply cable connection type:	luminaire connector
number of poles (valid for types without dimming only):	2 grid
number of poles (valid for types with DALI dimming only):	2 grid / 2 DALI

**Additional information:**

certificates:	ENEC in preparation
conformities:	CE and RoHS
lifespan (L90B10C1):	approx. 40,000 hours
lifespan (L70B10C1):	approx. 100,000 hours
guarantee:	5 years <sup>3</sup>
spare part guarantee:	10 years
delievery includes:	luminaire and power supply

<sup>1</sup> can only be used at ambient temperatures from +5 to +45 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:**

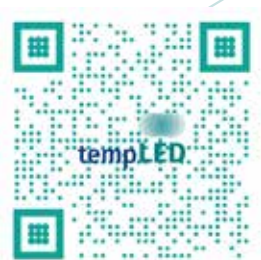
luminaire:	RaySquare V2
number of luminaires per package:	1
number of luminaires per master carton:	5
number of luminaires per pallet:	50
weight of the luminaire:	2,200 g
weight per package:	3,000 g
package dimensions L x W x H:	680 x 630 x 50 mm
weight per master carton:	15,000 g
master carton dimensions L x W x H:	710 x 660 x 280 mm



## tempLED 36

	RaySquare V2 36 - 120	RaySquare V2 36 - 120 DALI
article number:	861124	861224
GTIN / EAN:	4260491848758	4260491848765
initial luminous flux:	4,680 lm	4,680 lm
initial system efficiency:	130 lm/w	130 lm/w
unified glare rating (UGR):	< 19	< 19
initial, most similar color temperature:	4,000 K	4,000 K
light distribution:	symmetrical	symmetrical
beam angle:	120 degrees	120 degrees
dimming / control:	none	DALI-2
system performance:	36 W	36 W
power consumption:	0.16 A	0.16 A
maximum inrush current:	27 A	20 A
dimensions (L x W x H):	620 x 620 x 35 mm	620 x 620 x 35 mm

tempLED	Accessory catalogue RaySquare V2	art.-no.	GTIN / EAN
	<b>mounting frame</b> for mounting the tempLED RaySquare V2 on walls and ceilings, material: aluminum, dimensions: 620 x 620 x 70 mm	861900	4260491848772
	<b>installation frame</b> with springs, for mounting the tempLED RaySquare V2 within plasterboard ceilings, material: aluminum, dimensions: 635 x 635 x 25 mm	861901	4260491848789
	<b>emergency light module</b> 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, not compatible with mounting frame 861900	861903	4260491848802



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?