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OFFICE- AND WORKPLACE LIGHT

tempLED RaySquare

36 | 54

MULTI-PURPOSE LIGHTS 

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 dimming or optional constant lumen output (CLO)



UGR up to <16

UGR up to <16

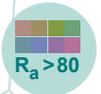
optional control and safety systems:



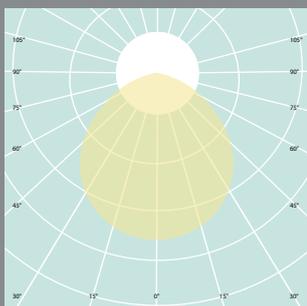
impact-resistant cover plate made of PMMA



durable and bright LED light field



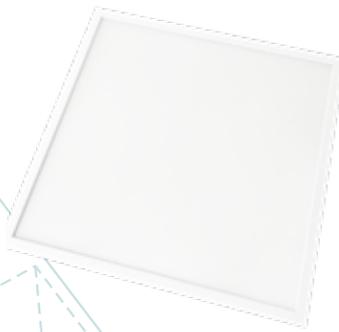
Light distribution curve tempLED RaySquare 36 | 54



100 degrees symmetrical

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Dimensions tempLED RaySquare

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620 mm



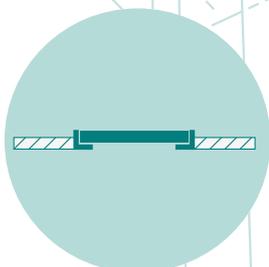
620 mm

Overall heights:
luminaires without dimming: 10 mm
luminaires with DALI dimming: 15 mm

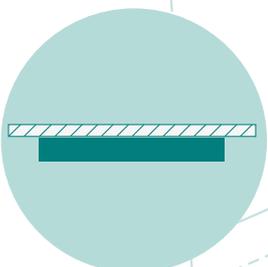
Mounting options tempLED RaySquare

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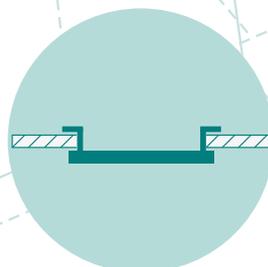
recessed ceiling mouting



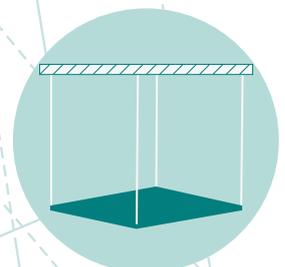
wall or ceiling mounting*



mounting in plaster ceiling*



pendant mounting*



* requires separate mounting accessories

General technical data

according to IEC, identical for all types of luminaires



Lighting properties:

initial luminous flux:	approx. 4,500 to 6,480 lumens
luminous flux tolerance:	± 10 percent
initial system efficiency:	up to 130 lumens / watt
initial, most similar color temperature:	4,000 kelvins ¹
initial color rendering index (CRI):	Ra > 80
initial color consistency:	< 5 SDCM
unified glare rating (UGR):	up to < 16
available symmetrical beam angles:	100 degrees
photobiological safety:	IEC/TR 62778: 1
compact flicker degree (CFD):	on request

Electrotechnical properties:

power supply AC:	220 to 240 volts
supply frequency:	50 / 60 hertz
system performance:	36 to 54 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):	T5
Tc - temperature:	+85 degrees Celsius

Energy characteristics:

Valid for all tempLED RaySquare 36:	This product contains a light source of energy efficiency class D.
Valid for all tempLED RaySquare 54:	This product contains a light source of energy efficiency class E.

Mounting options:

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

¹ additional color temperatures on request.

Control and safety properties:

dimming:	DALI optional
minimum dimming level:	10 percent
constant lumen output (CLO):	optional
emergency light module:	optional
human centric lighting:	on request (types with DALI dimming only)

Housing properties:

ambient temperature:	-20 to +50 degrees Celsius
ingress protection:	IP 40
impact resistance level:	IK04
electrical protection class:	II
limited surface temperatur (D):	yes
housing and heat sink material(s):	steel
cover plate material:	impact-resistant PMMA
cover plate finish:	light directing foil
luminaire housing color:	white according to RAL 9012 ¹
surface finish:	powder coating ¹
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:	TÜV Rheinland
conformities:	CE and RoHS
lifespan (L70B10C1):	approx. 50,000 hours
guarantee:	5 years ²
spare part guarantee:	10 years
delievery includes:	luminaire

¹ optional luminaire housing colors and finishes: Paintings according to RAL colour chart, powder coatings according to RAL colour chart or synthetic resin coating.

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

Logistic information:

luminaire:	RaySquare 36 54
number of luminaires per package:	1
number of luminaires per pallet:	54
net weight of the luminaire:	4,000 g
gross weight per package:	4,800 g
package dimensions L x W x H:	680 x 680 x 43 mm

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	RaySquare 36 - 100			
article number:	860104	860304	860114	860314
GTIN / EAN:	4260669191648	4260491844040	4260669191655	4260491844057
initial luminous flux:	approx. 4,500 lm	approx. 4,680 lm	approx. 4,500 lm	approx. 4,680 lm
initial system efficiency:	approx. 125 lm/w	approx. 130 lm/w	approx. 125 lm/w	approx. 130 lm/w
unified glare rating (UGR):	< 16	< 19	< 16	< 19
initial, most similar color temperature:	4,000 K	4,000 K	4,000 K	4,000 K
light distribution:	symmetrical	symmetrical	symmetrical	symmetrical
beam angle:	100 degrees	100 degrees	100 degrees	100 degrees
dimming / control:	none	none	DALI	DALI
system performance:	36 W	36 W	36 W	36 W
power consumption:	0.16 A	0.16 A	0.16 A	0.16 A
maximum inrush current:	5.50 A	5.50 A	5.50 A	5.50 A
dimensions (L x W x H):	620 x 620 x 10 mm	620 x 620 x 10 mm	620 x 620 x 15 mm	620 x 620 x 15 mm

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ITEM

tempLED 54

	RaySquare 54 - 100			
article number:	860204	860404	860214	860414
GTIN / EAN:	4260669191662	4260491844064	4260669191679	4260491844071
initial luminous flux:	approx. 6,210 lm	approx. 6,480 lm	approx. 6,210 lm	approx. 6,480 lm
initial system efficiency:	approx. 115 lm/w	approx. 120 lm/w	approx. 115 lm/w	approx. 120 lm/w
unified glare rating (UGR):	< 16	< 19	< 16	< 19
initial, most similar color temperature:	4,000 K	4,000 K	4,000 K	4,000 K
light distribution:	symmetrical	symmetrical	symmetrical	symmetrical
beam angle:	100 degrees	100 degrees	100 degrees	100 degrees
dimming / control:	none	none	DALI	DALI
system performance:	54 W	54 W	54 W	54 W
power consumption:	0.24 A	0.24 A	0.24 A	0.24 A
maximum inrush current:	12 A	12 A	12 A	12 A
dimensions (L x W x H):	620 x 620 x 10 mm	620 x 620 x 10 mm	620 x 620 x 15 mm	620 x 620 x 15 mm

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ITEM

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Accessory catalogue RaySquare

art.-no.

GTIN / EAN

**mounting frame**

for mounting the tempLED RaySquare on walls and ceilings

860900

4260669191686

**rope suspension**

4-point rope suspension with a maximum suspension depth of 1.20 m

860901

4260669191696

**plaster ceiling mounting spring**

quick release device for mounting the tempLED RaySquare in plasterboard ceilings delivered as a set of 4

860902

4260669191709

**emergency light module**

with automatic detection of failure and return of supply voltage, display of functional status, battery type: LiFePO4, running time either approx. 1 hour with an output power of approx. 6 watts or approx. 3 hours with an output power of approx. 3 watts, recharging time: approx. 24 hours, mounted on the luminaire ready for use

932284

4260745230285