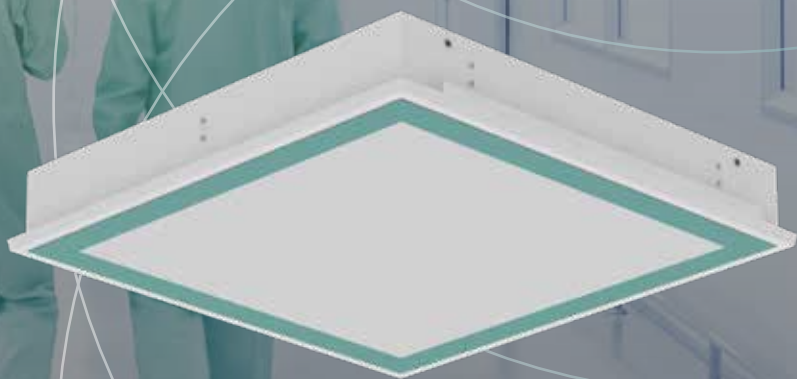




CLEAN ROOM LIGHT

tempLED RayClean V2

39 | 54

tempLED



modular overall structure
with exchangeable and repla-
ceable main components



initial system efficiency
up to 121 lm / w

abrasion-resistant, powder-coated steel
housing resistant to cleaning and disin-
fection agents resistant to cleaning and
disinfection agents



optional control and
safety systems:

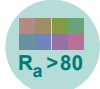


circumferential
sealing system



safety switch

durable and bright
LED light fields with
two colour rendering indices



energy-efficient constant current
power supply with optional cons-
tant lumen output (CLO)



impact-resistant cover plate made of 5 mm
thick toughened safety glass according to IK08
standard withscreen printing frame in light green
(similar to RAL 6027) and microprismatic diffuser
foil for consistent light distribution

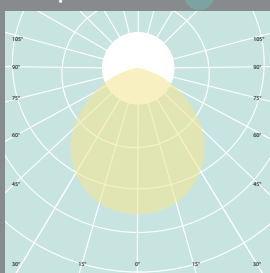


cover plate easy to open with
suction cups



Customised solutions are possible at any time.
Please feel free to contact us.

Light distribution curve tempLED RayClean V2 39 | 54

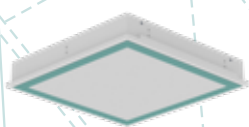
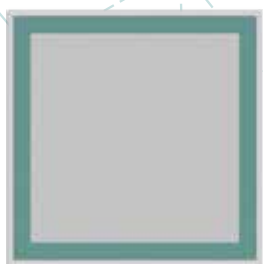


120 degrees symmetrical
microprismatic diffuser foil



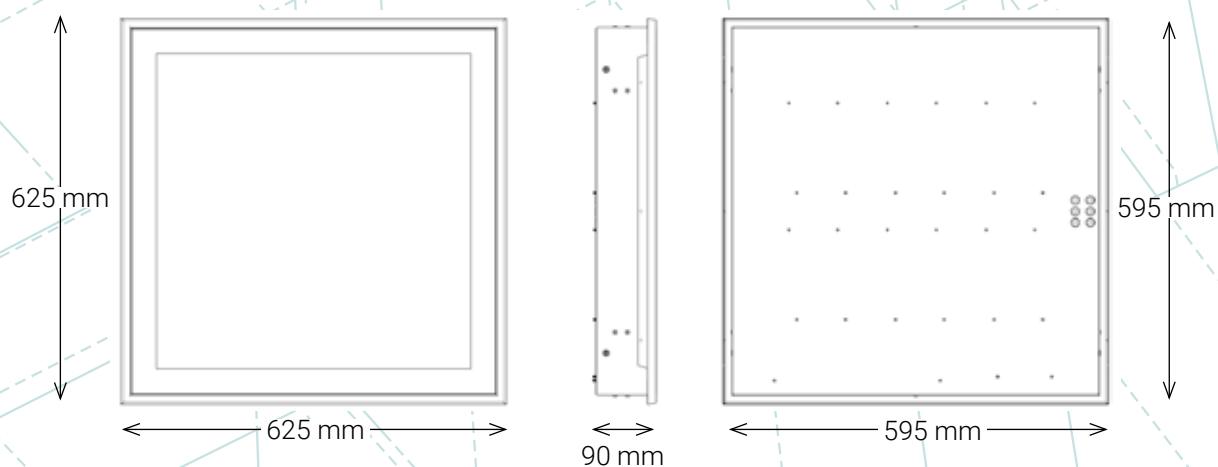
tempLED RayClean V2

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Dimensions tempLED RayClean V2

39 | 54



optional dimensions: 620 x 620 x 90 mm 310 x 1,245 x 90 mm 310 x 1,545 x 90 mm 620 x 1,245 x 90 mm

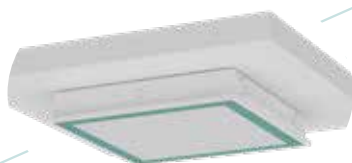
Mounting options tempLED RayClean V2

39 | 54

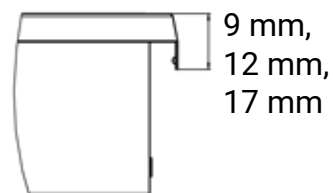
recessed ceiling
mounting



ceiling or wall
mounting



spacing height:



General technical data

according to IEC, identical for all types of luminaires



Lighting properties:

initial luminous flux:	4,040 to 6,350 lumens
luminous flux tolerance:	± 10 percent
initial system efficiency:	up to 121 lumens / watt
initial, most similar color temperature:	4,000 kelvins ¹
optional available special light colors:	monochromatic yellow light on request
initial color rendering index (CRI):	Ra > 80 Ra > 90
initial color consistency:	< 3 SDCM
available symmetrical beam angles:	120 degrees
photobiological safety:	IEC/TR 62778: 0
compact flicker degree (CFD):	< 2 percent
stroboscopic visibility measurement (SVM):	0,01
short time flicker (Pst LM):	0,03

Electrotechnical properties:

power supply AC:	198 to 240 volts
supply frequency:	50 / 60 hertz
power supply DC:	176 to 250 volts
system performance:	39 to 54 watts
system performance tolerance:	± 10 percent
power factor:	> 0,98
overvoltage protection:	yes
overheating protection:	yes
temperature monitoring:	yes
total harmonic distortion (THD):	< 12 percent
temperature classification (ATEX):	T6
Tc - temperature:	+75 degrees Celsius

Energy characteristics:

Valid for all tempLED RayClean V2 with 39 watts:	This product contains a light source of energy efficiency class E.
Valid for all tempLED RayClean V2 with 54 watts and Ra > 80:	This product contains a light source of energy efficiency class E.
Valid for all tempLED RayClean V2 with 54 watts and Ra > 90:	This product contains a light source of energy efficiency class F.

Mounting options:

standard mounting options:	recessed ceiling mounting
optional mounting options:	ceiling or wall mounting

¹ additional color temperatures on request.

Control and safety properties:

constant lumen output (CLO):	optional
emergency light module:	optional ¹

Housing properties:

ambient temperature:	–20 to +50 degrees Celsius
ingress protection:	IP 65
impact resistance level:	IK08
electrical protection class:	I
limited surface temperatur (D):	yes
sealing system:	circumferential
housing and heat sink material(s):	steel
cover plate material:	5 mm impact-resistant toughened safety glass ²
cover plate finish:	screen printing in light green according to RAL 6027 with diffuser foil
luminaire housing color:	signal white according to RAL 9003 ³
surface finish:	powder coating ³
supply cable inlet:	rubber grommet
supply cable connection:	luminaire connector
number of poles:	3 grid

Additional information:

certificates:	ENEC
conformities:	CE and RoHS
clean room class according to EN ISO 14644-1:	3
lifespan (L70B10C1):	approx. 100,000 hours
lifespan (L90B10C1):	approx. 50,000 hours
guarantee:	5 years ⁴
spare part guarantee:	10 years
delievery includes:	luminaire with mounting brackets

¹ can only be used at ambient temperatures from +5 to +50 degrees Celsius.

² 6 mm laminated safety glass on request.

³ optional luminaire housing colors and finishes: Paintings according to RAL colour chart, powder coatings according to RAL colour chart or synthetic resin coating.

⁴ according to the warranty conditions of tempLED GmbH, excluding accessories.

Logistic information:

luminaire:	RayClean V2
number of luminaires per package:	1
number of luminaires per pallet:	24
net weight of the luminaire:	11,000 g
gross weight per package:	12,000 g
package dimensions L x W x H:	670 x 680 x 100 mm

tempLED 39

	RayClean V2 39 - 120	RayClean Pro 39 - 120	RayClean Pro 39 - 120
article number:	708394	708324	708374
GTIN / EAN:	4260669199781	4260669194670	4260669199774
initial luminous flux:	4,750 lm	4,750 lm	4,750 lm
initial system efficiency:	121 lm/w	121 lm/w	121 lm/w
initial, most similar color temperature:	4,000 K	4,000 K	4,000 K
initial color rendering index (CRI):	Ra > 80	Ra > 80	Ra > 80
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	120 degrees	120 degrees	120 degrees
dimming / control:	none	none	none
system performance:	39 W	39 W	39 W
power consumption:	0.17 A	0.17 A	0.17 A
maximum inrush current:	42 A	42 A	42 A
spacing height:	9.00 mm	12.00 mm	17.00 mm
dimensions (L x W x H):	625 x 625 x 90 mm	625 x 625 x 90 mm	625 x 625 x 90 mm

tempLED 39

	RayClean V2 39 - 120	RayClean V2 39 - 120	RayClean V2 39 - 120
article number:	709394	709324	709374
GTIN / EAN:	4260745230988	4260669199828	4260669199835
initial luminous flux:	4,040 lm	4,040 lm	4,040 lm
initial system efficiency:	103 lm/w	103 lm/w	103 lm/w
initial, most similar color temperature:	4,000 K	4,000 K	4,000 K
initial color rendering index (CRI):	Ra > 90	Ra > 90	Ra > 90
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	120 degrees	120 degrees	120 degrees
dimming / control:	DALI	DALI	DALI
system performance:	39 W	39 W	39 W
power consumption:	0.17 A	0.17 A	0.17 A
maximum inrush current:	42 A	42 A	42 A
spacing height:	9.00 mm	12.00 mm	17.00 mm
dimensions (L x W x H):	625 x 625 x 90 mm	625 x 625 x 90 mm	625 x 625 x 90 mm

tempLED 54

	RayClean V2 54 - 120	RayClean V2 54 - 120	RayClean V2 54 - 120
article number:	708594	708524	708574
GTIN / EAN:	4260669199811	4260669199798	4260669199804
initial luminous flux:	6,350 lm	6,350 lm	6,350 lm
initial system efficiency:	117 lm/w	117 lm/w	117 lm/w
initial, most similar color temperature:	4,000 K	4,000 K	4,000 K
initial color rendering index (CRI):	Ra > 80	Ra > 80	Ra > 80
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	120 degrees	120 degrees	120 degrees
dimming / control:	DALI	DALI	DALI
system performance:	54 W	54 W	54 W
power consumption:	0.24 A	0.24 A	0.24 A
maximum inrush current:	42 A	42 A	42 A
spacing height:	9.00 mm	12.00 mm	17.00 mm
dimensions (L x W x H):	625 x 625 x 90 mm	625 x 625 x 90 mm	625 x 625 x 90 mm

tempLED 54

	RayClean V2 54 - 120	RayClean V2 54 - 120	RayClean V2 54 - 120
article number:	709594	709524	709574
GTIN / EAN:	4260745235013	4260745231374	4260745235006
initial luminous flux:	5,400 lm	5,400 lm	5,400 lm
initial system efficiency:	100 lm/w	100 lm/w	100 lm/w
initial, most similar color temperature:	4,000 K	4,000 K	4,000 K
initial color rendering index (CRI):	Ra > 90	Ra > 90	Ra > 90
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	120 degrees	120 degrees	120 degrees
dimming / control:	DALI	DALI	DALI
system performance:	54 W	54 W	54 W
power consumption:	0.24 A	0.24 A	0.24 A
maximum inrush current:	42 A	42 A	42 A
spacing height:	9.00 mm	12.00 mm	17.00 mm
dimensions (L x W x H):	625 x 625 x 90 mm	625 x 625 x 90 mm	625 x 625 x 90 mm

tempLED

Accessory catalogue RayClean V2

art.-no.

GTIN / EAN

**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 +5 to +50 degrees Celsius, mounted in the luminaire ready for use

799004

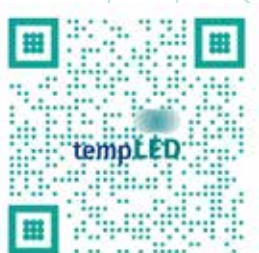
4260745235044

**suction cup**

for easy and safe opening and closing of the cover plate

799005

4260745235051



Direct link to the tempLED
download portal



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

When will you start?