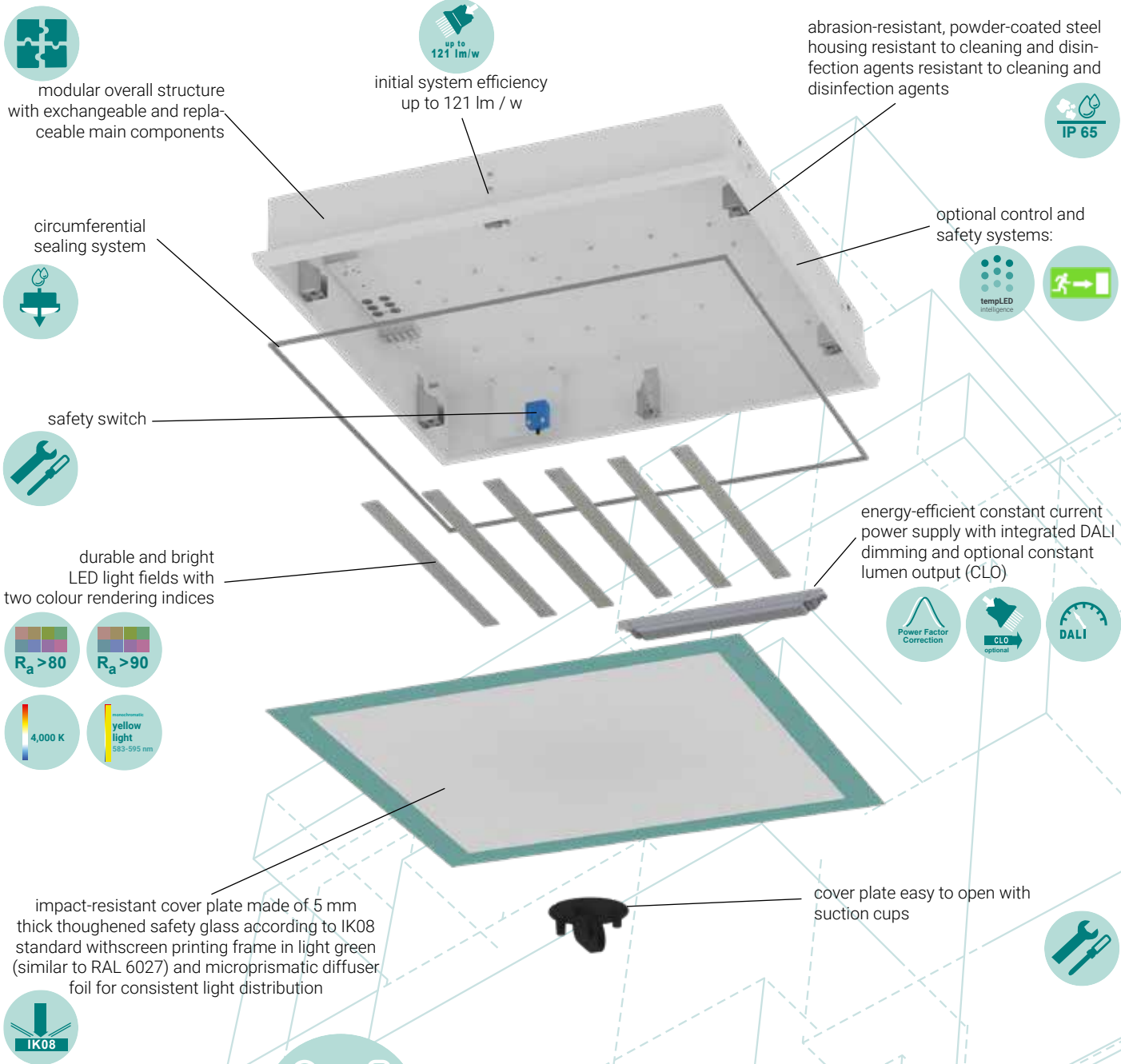


CLEAN ROOM LIGHT

tempLED RayClean Pro V2

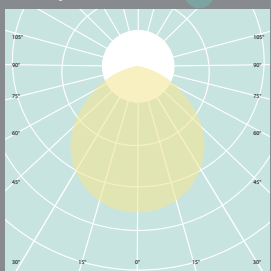
39 | 54

tempLED



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

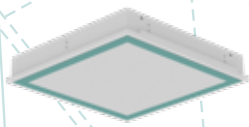
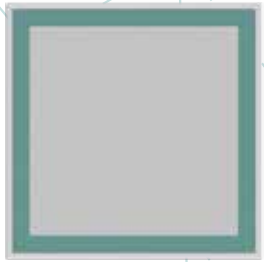
Light distribution curve tempLED RayClean Pro V2 39 | 54



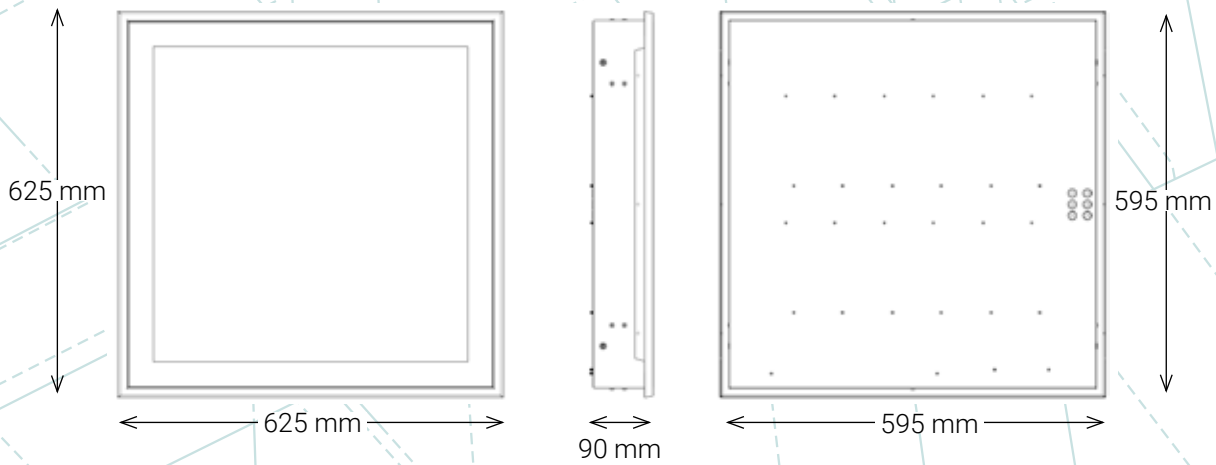
120 degrees symmetrical microprismatic diffuser foil



tempLED RayClean Pro V2 39 | 54



Dimensions tempLED RayClean Pro 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 Pro V2 39 | 54

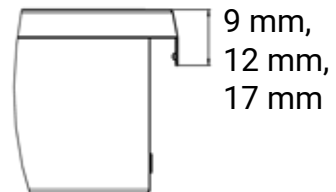
recessed ceiling
mounting



ceiling or wall
mounting



spacing height:



9 mm,
12 mm,
17 mm

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

dimming:	DALI
minimum dimming level:	20 percent
constant lumen output (CLO):	optional
control via the Casambi network:	optional
emergency light module:	optional ¹
human centric lighting:	on request
daylight control system:	optional via the Casambi network

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 / 2 DALI

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
delivery 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 Pro 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 Pro V2 39 - 120	RayClean Pro V2 39 - 120	RayClean Pro V2 39 - 120
article number:	718394	718324	788374
GTIN / EAN:	4260669192683	4260669192669	4260669192676
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
light distribution:	Ra > 80	Ra > 80	Ra > 80
beam angle:	symmetrical	symmetrical	symmetrical
dimming / control:	120 degrees	120 degrees	120 degrees
system performance:	DALI	DALI	DALI
power consumption:	39 W	39 W	39 W
maximum inrush current:	0.17 A	0.17 A	0.17 A
spacing height:	42 A	42 A	42 A
dimensions (L x W x H):	9.00 mm	12.00 mm	17.00 mm
Abmessungen (L x B x H):	625 x 625 x 90 mm	625 x 625 x 90 mm	625 x 625 x 90 mm

tempLED 39




	RayClean Pro V2 39 - 120	RayClean Pro V2 39 - 120	RayClean Pro V2 39 - 120
article number:	719394	719324	719374
GTIN / EAN:	4260669194632	4260669192720	4260669192737
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
light distribution:	Ra > 90	Ra > 90	Ra > 90
beam angle:	symmetrical	symmetrical	symmetrical
dimming / control:	120 degrees	120 degrees	120 degrees
system performance:	DALI	DALI	DALI
power consumption:	39 W	39 W	39 W
maximum inrush current:	0.17 A	0.17 A	0.17 A
spacing height:	42 A	42 A	42 A
dimensions (L x W x H):	9.00 mm	12.00 mm	17.00 mm
Abmessungen (L x B x H):	625 x 625 x 90 mm	625 x 625 x 90 mm	625 x 625 x 90 mm

tempLED 54

	RayClean Pro V2 54 - 120	RayClean Pro V2 54 - 120	RayClean Pro V2 54 - 120
article number:	718594	718524	718574
GTIN / EAN:	4260669192713	4260669192690	4260669192706
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
light distribution:	Ra > 80	Ra > 80	Ra > 80
beam angle:	symmetrical	symmetrical	symmetrical
dimming / control:	120 degrees	120 degrees	120 degrees
system performance:	DALI	DALI	DALI
power consumption:	54 W	54 W	54 W
maximum inrush current:	0.24 A	0.24 A	0.24 A
spacing height:	42 A	42 A	42 A
dimensions (L x W x H):	9.00 mm	12.00 mm	17.00 mm
Abmessungen (L x B x H):	625 x 625 x 90 mm	625 x 625 x 90 mm	625 x 625 x 90 mm

tempLED 54

	RayClean Pro V2 54 - 120	RayClean Pro V2 54 - 120	RayClean Pro V2 54 - 120
article number:	719594	719524	719574
GTIN / EAN:	4260669194663	4260669194649	4260669194656
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
light distribution:	Ra > 90	Ra > 90	Ra > 90
beam angle:	symmetrical	symmetrical	symmetrical
dimming / control:	120 degrees	120 degrees	120 degrees
system performance:	DALI	DALI	DALI
power consumption:	54 W	54 W	54 W
maximum inrush current:	0.24 A	0.24 A	0.24 A
spacing height:	42 A	42 A	42 A
dimensions (L x W x H):	9.00 mm	12.00 mm	17.00 mm
Abmessungen (L x B x H):	625 x 625 x 90 mm	625 x 625 x 90 mm	625 x 625 x 90 mm

tempLED	Accessory catalogue RayClean Pro V2	art.-no.	GTIN / EAN
	Casambi control unit for integrating and controlling the luminaire via the Casambi network, mounted in the luminaire ready for use	799003	4260745235037
	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



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?