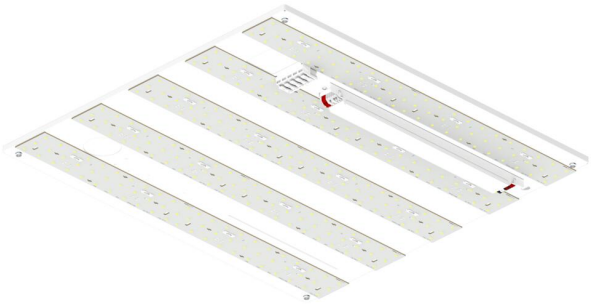
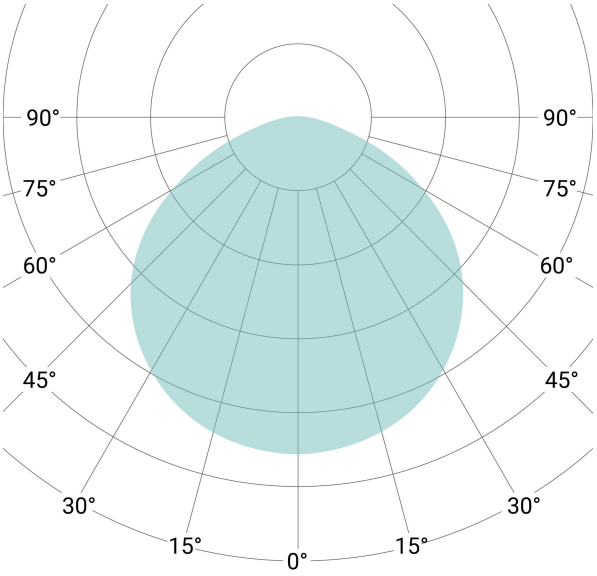
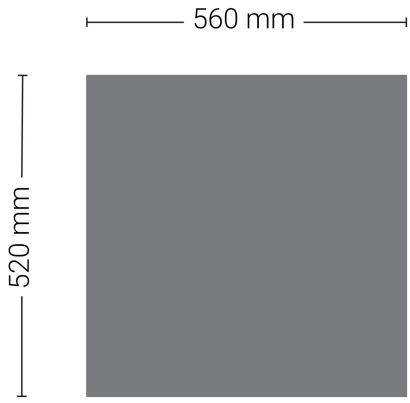
tempLED RayClean Kit 70–120 Yellow Light

CLEANROOM LIGHT, CLEAN ROOM LIGHT, RETROFIT LIGHT

Article number: 72070Y







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Lighting characteristics	
Initial light colour and wavelength	monochromatic yellow light (583 to 595 nanometers)
Initial luminous flux	7,000 lumens
Luminous flux tolerance	10 percent
Initial system efficiency	100 lumens per watt
Beam angle	120 degrees
Light distribution	symmetrical
Photobiological safety	IEC/TR 62778: 1
Compact flicker degree <	1 percent
Stroboscopic visuability measurement <	0.40
Short time flicker (Pst LM) <	1.00

Electrical characteristics	
Power supply AC	from 198 to 240 volts
Supply frequency	50/60 hertz
Power supply DC	from 176 to 250 volts
System performance	70 watts
System performance tolerance	10 percent
Power consumption	0.50 ampere
Maximum inrush current	28.00 ampere
Electrical protection class	I
Temperature classification according to ATEX	T6
Tc - temperature	75 degrees Celsius
Total harmonic distortion <	10 percent
Power factor >	0.95
Life span (L70B10C1) @ Ta 25 °C	100,000 hours
Life span (L90B10C1) @ Ta 25 °C	50,000 hours
Product is suitable for emergency lighting (EL-mark)	yes
Limited surface temperatur (D-mark)	yes (internal powr supply)
Number of poles	3 grid
Temperature monitoring	yes, in the power supply
Overheating protection	yes
Overvoltage protection	yes, integrated in power supply

Certificates	
ENEC certification	in preparation

Conformities	
CE conformity	yes
RoHS conformity	yes

Luminaire housing characteristics	
Ambient temperature	from -40 to 50 degrees Celsius
Ingress protection	IP 00
Impact resistance level	IK00
Luminaire housing material	steel plate
Luminaire housing finish	powder coating
Luminaire housing color	pure white (RAL9010)
Supply cable inlet	luminaire connection terminal

Mounting characteristics	
Standard mounting options	retrofit mounting, magnetic quick-mounting system

Control characteristics

Logistical characteristics	
EAN/GTIN	4260669192881
Packaging unit	1 unit
Number of luminaires per package	1 unit
Scope of delievery	luminaire
Net weight	3,100 gram
Gross weight per package	4,100 gram
Number of luminaires per pallet	20 unit
Length of the luminaire	560.00 millimeters
Width of the luminaire	520.00 millimeters
Height of the luminaire	20.00 millimeters
Luminaire box length	640.00 millimeters
Luminaire box width	640.00 millimeters
Luminaire box height	120.00 millimeters
Product availability	order item

Accessories for this product

Figure	Description	Item no.	EAN / GTIN
	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 on the luminaire ready for use.	720900	4260745237321

Tender text

Initial light colour and wavelength: monochromatic yellow light (583 to 595 nanometers) ; Initial luminous flux: 7,000 lumens;
Luminous flux tolerance: 10 percent; Initial system efficiency: 100 lumens per watt; Beam angle: 120 degrees;
Light distribution: symmetrical ; Photobiological safety: IEC/TR 62778: 1 ; Compact flicker degree <: 1 percent;
Stroboscopic visuability measurement <: 0.40 ; Short time flicker (Pst LM) <: 1.00 ; Power supply AC: from 198 to 240 volts;
Supply frequency: 50/60 hertz; Power supply DC: from 176 to 250 volts; System performance: 70 watts;
System performance tolerance: 10 percent; Power consumption: 0.50 ampere; Maximum inrush current: 28.00 ampere;
Electrical protection class: I ; Temperature classification according to ATEX: T6 ; Tc - temperature: 75 degrees Celsius;
Total harmonic distortion <: 10 percent; Power factor >: 0.95 ; Life span (L70B10C1) @ Ta 25 °C: 100,000 hours;
Life span (L90B10C1) @ Ta 25 °C: 50,000 hours; Product is suitable for emergency lighting (EL-mark): yes ;
Limited surface temperatur (D-mark): yes (internal powr supply) ; Number of poles: 3 grid ;
Temperature monitoring: yes, in the power supply ; Overheating protection: yes ;
Overvoltage protection: yes, integrated in power supply ; ENEC certification: in preparation ; CE conformity: yes ; RoHS conformity: yes ;
Ambient temperature: from -40 to 50 degrees Celsius; Ingress protection: IP 00 ; Impact resistance level: IK00 ;
Luminaire housing material: steel plate ; Luminaire housing finish: powder coating ; Luminaire housing color: pure white (RAL9010) ;
Supply cable inlet: luminaire connection terminal ; Standard mounting options: retrofit mounting, magnetic quick-mounting system ;
EAN/GTIN: 4260669192881 ; Packaging unit: 1 unit; Number of luminaires per package: 1 unit; Scope of delievery: luminaire ;
Net weight: 3,100 gram; Gross weight per package: 4,100 gram; Number of luminaires per pallet: 20 unit;
Length of the luminaire: 560.00 millimeters; Width of the luminaire: 520.00 millimeters; Height of the luminaire: 20.00 millimeters;
Luminaire box length: 640.00 millimeters; Luminaire box width: 640.00 millimeters; Luminaire box height: 120.00 millimeters;
Product availability: order item ;

Footnotes

Subject to changes and errors. Images are for illustrative purposes only.
Magnetic mounting grid: 520 x 480 mm.
Optional housing finishes: paint finishes according to the RAL colour chart, powder coatings according to the RAL colour chart, or synthetic resin coating.
Guarantee according to the warranty terms and conditions of tempLED GmbH; excluding accessories.