



Cleanroom LED

CR444B LED88/840 PSD W30L120 AC-MLO PI

Led Cleanroom mod. 600 lay-out, LED Module 8800 lm, 840 neutral white, Power supply unit with DALI interface, Acrylate micro-lens optic, Push-in connector 5-pole

Customers operating highly hygienic facilities require special IP65, easy-to-clean, dust-free luminaires that meet all lighting requirements and norms. Moreover, to ensure the integrity of these areas (and stay within budget), they also need to minimize costly downtime and maintenance. With the latest LED engine on board, this LED cleanroom luminaire represents the ideal solution, delivering market-leading energy performance – far beyond fluorescent solutions – over 50,000 hours of maintenance-free operation. This means extremely low operational cost over the total lifetime of the luminaire, and so an excellent financial return on investment.

Product data

General Information		Product family code	CR444B [Led Cleanroom mod. 600 lay-out]
Lamp family code	LED88 [LED Module 8800 lm]	Lighting Technology	LED
Cap-Base	- [-]	Value ladder	Specification
Light source replaceable	No	CE mark	Yes
Number of gear units	1 unit	Warranty period	5 years
Driver included	Yes	Flammability mark	For mounting on normally flammable surfaces
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value.		
Service tag	Yes	ENEC mark	-
		Glow-wire test	Temperature 850 °C, duration 5 s
		EU RoHS compliant	Yes
Light Technical			
Luminous Flux	6,300 lm		
Correlated Color Temperature (Nom)	4000 K		

Cleanroom LED

Luminous Efficacy (rated) (Nom)	115 lm/W
Color rendering index (CRI)	≥80
Number of light sources	1
Light source color	840 neutral white
Optic type	-
Optical cover type	Acrylate micro-lens optic
Luminaire light beam spread	120°
Unified glare rating CEN	19

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	4.5 A
Inrush time	1 ms
Power Consumption	56 W
Power Factor (Fraction)	0.95
Connection	Push-in connector 5-pole
Cable	-
Number of products on MCB of 16 A type B	24

Temperature

Ambient temperature range	-20 to +40 °C
---------------------------	---------------

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

Mechanical and Housing

Housing Material	Steel
Reflector material	Aluminum
Optic material	-
Optical cover material	Acrylate
Fixation material	-
Housing Color	White
Optical cover finish	Textured
Overall length	1,212 mm
Overall width	312 mm

Overall height	74 mm
Dimensions (Height x Width x Depth)	74 x 312 x 1212 mm

Approval and Application

Ingress protection code	IP64 [Dust penetration-protected, splashproof]
Mech. impact protection code	IK02/05
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L80

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	No

Product Data

Order product name	CR444B LED88/840 PSD W30L120 AC-MLO PI
Full product name	CR444B LED88/840 PSD W30L120 AC-MLO PI
Full product code	871794391906200
Order code	910501979703
Material Nr. (12NC)	910501979703
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8717943919062
Numerator - Packs per outer box	1
EAN/UPC - Case	8717943919062

Cleanroom LED

Dimensional drawing

