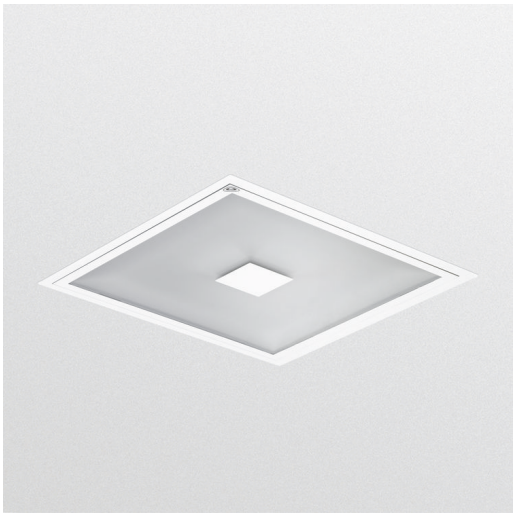


Cleanroom LED

CR444B LED48/840 PSD W60L60 AC-MLO PI SC

Led Cleanroom mod. 600 lay-out, LED Module 4800 lm, 840 neutral white, Power supply unit with DALI interface, Acrylate micro-lens optic, Push-in connector 5-pole

Customers operating highly hygienic facilities – in hospitals, laboratories, and certain production environments, e.g. in the food industry – require special IP65, easy-to-clean, dust-free luminaires that meet all applicable lighting requirements and norms. 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. The luminaire's high color rendering properties ensure the top-class optical performance required in e.g. clinical areas in hospitals and other areas where it is crucial to be able to distinguish between colors, such as in the graphical and clothing industries.

Product data

General Information	
Lamp family code	LED48 [LED Module 4800 lm]
Cap-Base	- [-]
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
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
Product family code	CR444B [Led Cleanroom mod. 600 lay-out]
Lighting Technology	LED
Value ladder	Specification
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	-

Cleanroom LED

Glow-wire test	Temperature 850 °C, duration 5 s
EU RoHS compliant	Yes

Light Technical

Luminous Flux	3,900 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	120 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	16

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	22 A
Inrush time	0.275 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	Steel
Housing Color	White
Optical cover finish	Textured
Overall length	612 mm
Overall width	612 mm
Overall height	74 mm
Dimensions (Height x Width x Depth)	74 x 612 x 612 mm

Approval and Application

Ingress protection code	IP64/65 Dust penetration-protected, splashproof/ Jet-proof
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

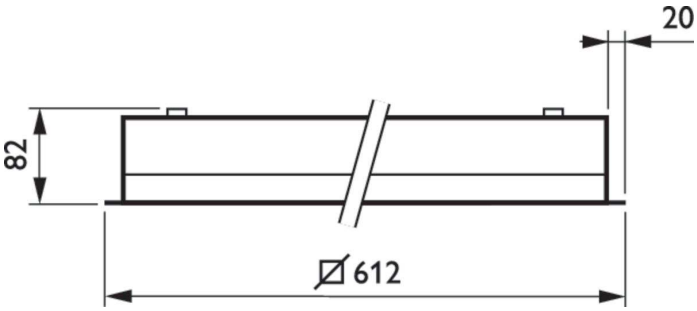
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	No

Product Data

Order product name	CR444B LED48/840 PSD W60L60 AC-MLO PI SC
Full product name	CR444B LED48/840 PSD W60L60 AC-MLO PI SC
Full product code	871794391986400
Order code	910501984503
Material Nr. (12NC)	910501984503
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8717943919864
Numerator - Packs per outer box	1
EAN/UPC - Case	8717943919864

Cleanroom LED

Dimensional drawing



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