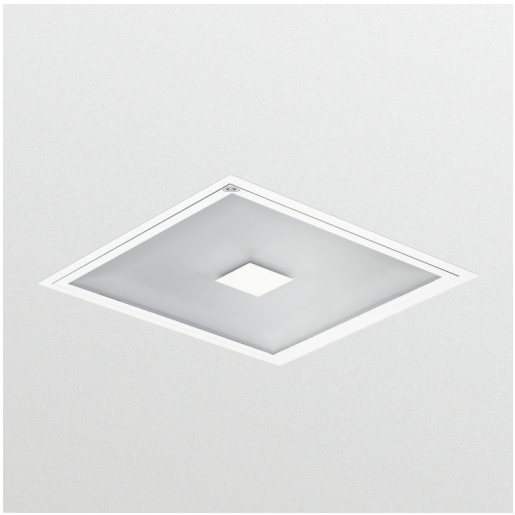


Cleanroom LED

CR444B LED48/840 PSD W60L60 AC-MLO PI

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 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. The luminaire's high colour rendering properties ensure the top class optical performance required in e.g clinical areas in hospitals.

Product data

General Information	
Lamp family code	LED48 [LED Module 4800 lm]
Cap base	- [-]
Light source replaceable	No
Number of gear units	Unit
Driver included	Yes
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value.
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	-
Glow-wire test	Temperature 850 °C, duration 5 s

Cleanroom LED

EU RoHS compliant	Yes

Light Technical

Luminous Flux	3,900 lm
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	120 lm/W
Colour rendering index (CRI)	≥80
Light source colour	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	Aluminium
Optic material	-
Optical cover/lens material	Acrylate
Fixation material	-
Housing Colour	White
Optical cover/lens 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
Sustainability rating	-
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 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	L80

Application Conditions

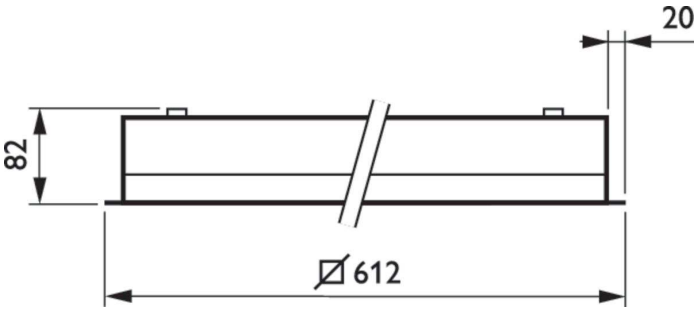
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	No

Product Data

Order product name	CR444B LED48/840 PSD W60L60 AC-MLO PI
Full product name	CR444B LED48/840 PSD W60L60 AC-MLO PI
Full EOC	871794391902400
Order code	91902400
Material no. (12 NC)	910501979303
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8717943919024
Numerator – packs per outer box	1
EAN/UPC - Case	8717943919024

Cleanroom LED

Dimensional drawing



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