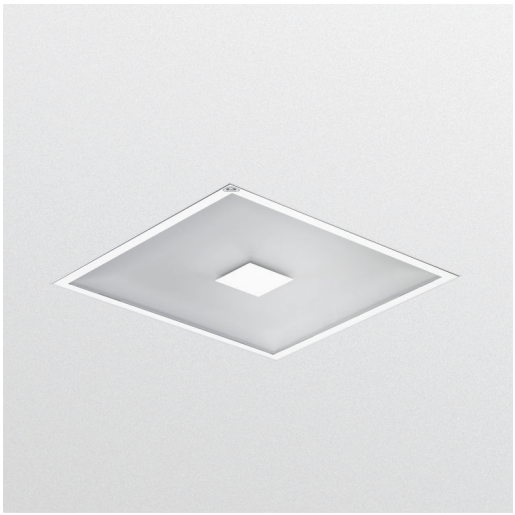


# Cleanroom LED

## CR434B LED48/840 PSD W60L60 AC-MLO PI SC

Led Cleanroom mod. 600 lay-in, 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** | CR434B [Led Cleanroom mod. 600 lay-in] |
| **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** | 596 mm |
| **Overall width** | 596 mm |
| **Overall height** | 74 mm |
| **Dimensions (Height x Width x Depth)** | 74 x 596 x 596 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 50000 h** | 5 % |
| **Lumen maintenance at median useful life* 50000 h** | L80 |

## Application Conditions

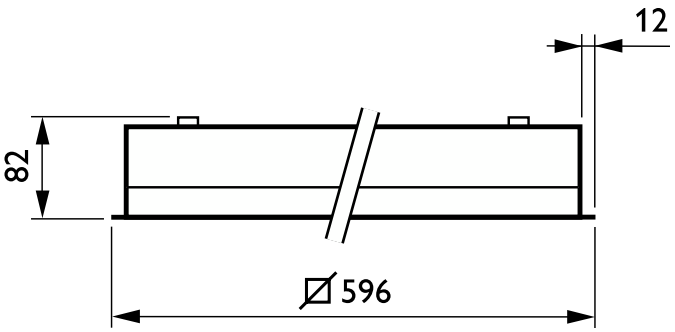
| | |
|---|---|
| **Performance ambient temperature Tq** | 25 °C |
| **Maximum dim level** | 1% |
| **Suitable for random switching** | No |

## Product Data

| | |
|---|---|
| **Order product name** | CR434B LED48/840 PSD W60L60 AC-MLO PI SC |
| **Full product name** | CR434B LED48/840 PSD W60L60 AC-MLO PI SC |
| **Full product code** | 871794391983300 |
| **Order code** | 910501984203 |
| **Material Nr. (12NC)** | 910501984203 |
| **Numerator - Quantity Per Pack** | 1 |
| **EAN/UPC - Product/Case** | 8717943919833 |
| **Numerator - Packs per outer box** | 1 |
| **EAN/UPC - Case** | 8717943919833 |

# Cleanroom LED

## Dimensional drawing




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