



# ArcForm

## RC660B LED44S/840 PSD W60L60 MO-PC PI

ArcForm, LED Module, system flux 4400 lm, 840 neutral white, Power supply unit with DALI interface, MESO optic in polycarbonate cover, Plug-in connector 3-pole Wieland/Adels compatible and 2-pole control signal for light regulation

More and more customers are looking for lighting solutions that support the architecture of the building and the types of activity taking place in certain zones. A luminaire with soft light and a gentle appearance is perfect for those places where additional quality of light adds value. With the cleanly designed ArcForm, the optical system using MesoOptics technology creates soft, comfortable lighting, with a full luminous surface. The luminaire's wide beam shape means that the light distribution is uniform throughout the entire space, rather than directional. And the LED boards and optics offer significant energy savings compared to a similar conventional solution.

### Product data

| General Information      |  |                     |   |
|--------------------------|--|---------------------|---|
| Lamp family code         | LED44S [LED Module, system flux 4400 lm]   |                     | B10. Therefore, the median useful life (B50) value also represents the B10 value. |
| Cap-Base                 | - [-]  | Product family code | RC660B [ArcForm]  |
| Light source replaceable | No   | Lighting Technology | LED   |
| Number of gear units     | 1 unit   | Glow-wire test      | Temperature 850 °C, duration 5 s  |
| 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 | CE mark             | Yes   |
|                          |  | ENEC mark           | ENEC mark   |
|                          |  | Warranty period     | 5 years   |
|                          |  | EU RoHS compliant   | Yes   |

|  |  |
|--|--|
| <b>Light Technical</b>                   |  |
| Luminous Flux                            | 4,400 lm   |
| Correlated Color Temperature (Nom)       | 4000 K   |
| Luminous Efficacy (rated) (Nom)          | 122 lm/W   |
| Color rendering index (CRI)              | >80  |
| Number of light sources                  | 1  |
| Light source color                       | 840 neutral white  |
| Optic type                               | -  |
| Optical cover type                       | MESO optic in polycarbonate cover  |
| Luminaire light beam spread              | 120°   |
| Unified glare rating CEN                 | Not applicable   |
| <b>Operating and Electrical</b>          |  |
| Input Voltage                            | 220 to 240 V   |
| Line Frequency                           | 50 to 60 Hz  |
| Inrush current                           | 5 A  |
| Inrush time                              | 1 ms   |
| Power Consumption                        | 36 W   |
| Power Factor (Fraction)                  | 0.93   |
| Connection                               | Plug-in connector 3-pole Wieland/Adels compatible and 2-pole control signal for light regulation |
| Cable                                    | -  |
| Number of products on MCB of 16 A type B | 20   |
| <b>Temperature</b>                       |  |
| Ambient temperature range                | +10 to +40 °C  |
| <b>Controls and Dimming</b>              |  |
| Dimmable                                 | Yes  |
| Driver/power unit/transformer            | Power supply unit with DALI interface  |
| Control interface                        | DALI   |
| Constant light output                    | No   |
| <b>Mechanical and Housing</b>            |  |
| Housing Material                         | Steel  |
| Reflector material                       | Aluminum   |
| Optic material                           | -  |
| Optical cover material                   | Polycarbonate  |
| Fixation material                        | -  |
| Housing Color                            | White  |

|   |                                       |
|---|---------------------------------------|
| Optical cover finish                                    | Clear                                 |
| Overall length  | 597 mm                                |
| Overall width   | 597 mm                                |
| Overall height  | 161 mm                                |
| Dimensions (Height x Width x Depth)                     | 161 x 597 x 597 mm                    |
| <b>Approval and Application</b>                         |                                       |
| Ingress protection code                                 | IP40 [Wire-protected]                 |
| Mech. impact protection code                            | IK02 [0.2 J standard]                 |
| Protection class IEC                                    | Safety class I                        |
| <b>Initial Performance (IEC Compliant)</b>              |                                       |
| Luminous flux tolerance                                 | +/-10%                                |
| Initial chromaticity                                    | (0.38, 0.38) SDCM <3                  |
| Power consumption tolerance                             | +/-10%                                |
| <b>Over Time Performance (IEC Compliant)</b>            |                                       |
| Control gear failure rate at median useful life 50000 h | 5 %                                   |
| Lumen maintenance at median useful life* 50000 h        | L80                                   |
| <b>Application Conditions</b>                           |                                       |
| Performance ambient temperature Tq                      | 25 °C                                 |
| Maximum dim level                                       | 1%                                    |
| Suitable for random switching                           | No                                    |
| <b>Product Data</b>                                     |                                       |
| Order product name                                      | RC660B LED44S/840 PSD W60L60 MO-PC PI |
| Full product name                                       | RC660B LED44S/840 PSD W60L60 MO-PC PI |
| Full product code                                       | 871829127384400                       |
| Order code  | 910502014903                          |
| Material Nr. (12NC)                                     | 910502014903                          |
| Numerator - Quantity Per Pack                           | 1                                     |
| EAN/UPC - Product/Case                                  | 8718291273844                         |
| Numerator - Packs per outer box                         | 1                                     |
| EAN/UPC - Case  | 8718291273844                         |

Dimensional drawing

