

Surface-mounted luminaire - Multilayer lighting technology - direct distribution

Sheet steel housing suitable, rectangular cross section; suitable for use in clean rooms and clean room areas per DIN 14644-1; manufactured per IPA provisions, as well as the directives for quality assurance GMP (Good Manufacturing Practice); Housing colour traffic white RAL 9016; Direct light distribution, using CDP microprism made of PMMA and forward-scattering diffuser foil as multi-layer technology; With clear cover made of laminated safety glass; Integrated LED driver design.. Electrical connection and connection of control cable using 5-pole connection terminal with plug-in contacts; Luminous flux in emergency light mode 8583 lm. The aduna clean room luminaire is suitable for direct voltage (0/50Hz), emergency luminaires must have additional marking. Suitable for air purity class ISO 14644-1 Class 2 with excellent to very good results in terms of microbial metabolic potential and chemical resistance.

## CHARACTERISTICS

|                               |                                                                                      |
|-------------------------------|--------------------------------------------------------------------------------------|
| Order number                  | 62123016670                                                                          |
| EAN number                    | 4020863436088                                                                        |
| Commodity code                | 94051190                                                                             |
| Certification mark            | IP 65, Protection class I, F, D, Clean room, HACCP DIN10500/Food/IFS/BRC, Indoor, CE |
| Impact resistance (IK rating) | IK07 (-20°C bis 35°C)                                                                |
| Ambient temperatur            | ta -20°C to 35°C                                                                     |
| Special properties            | Ready for IoT                                                                        |
| Warranty period               | 7 years                                                                              |
| State funding programs        | BEG - Federal funding for efficient buildings (valid only for Germany)               |

## ELECTRICAL ENGINEERING

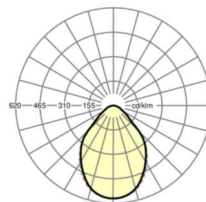
|                                      |                                                            |
|--------------------------------------|------------------------------------------------------------|
| Controller                           | Electronic driver DALI2 (1 pcs.)                           |
| System output                        | 68W                                                        |
| Mains voltage                        | 230V/50Hz                                                  |
| Circuit breakers (inrush current)    | 15 pieces/B10, 24 pieces/B16, 24 pieces/C10, 40 pieces/C16 |
| Energy efficiency class/light source | C                                                          |

## LIGHTING TECHNOLOGY

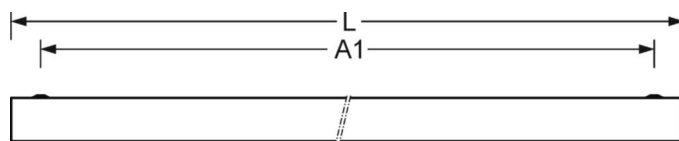
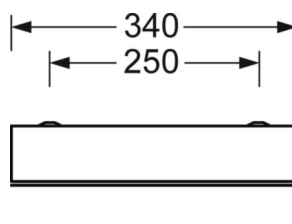
|                                               |                                                                              |
|-----------------------------------------------|------------------------------------------------------------------------------|
| Placement                                     | LED, Colour rendering/Light colour<br>CRI ≥ 80 / 5000K                       |
| Colour tolerance (MacAdam)                    | 3SDCM                                                                        |
| Photobiological safety (Luminaire)            | RG0                                                                          |
| Nominal luminous flux                         | 8583lm                                                                       |
| Nominal luminous flux-emergency lighting mode | 8583lm                                                                       |
| LED service life                              | 80000h L80/B10 (Tq 35°C), 90000h L80/B10 (Tq 25°C), 40000h L90/B10 (Tq 25°C) |
| Luminaire luminous efficiency                 | 127lm/W                                                                      |
| UGR lat./long.                                | 19.0 / 19.0                                                                  |

## DEEP-LINK

<https://www.regiolux.de/en/article/62123016670>



|                |                |
|----------------|----------------|
| Reference      | LED 8600lm 850 |
| ηLB            | 100 %          |
| Φ ↓/↑          | 100 % / 0 %    |
| UGR lat./long. | 19.0 / 19.0    |



**MECHANICS**

|                        |                                                                                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Housing colour         | traffic white RAL 9016                                                                                                                                             |
| Dimensions (LxWxH/DxH) | 1173mm x 340mm x 75mm                                                                                                                                              |
| Ceiling system         | cut-out ceilings [AD]                                                                                                                                              |
| Weight (net)           | 11.5kg                                                                                                                                                             |
| Cable entry KE (X/Y)   | 65mm/150mm                                                                                                                                                         |
| Type of installation   | Ceiling-mounted single installation,<br>Ceiling-mounted trunking installation,<br>Installation in clean room ceilings, Ceiling<br>installation individual mounting |

**Dimensions**

|    |         |                                                                    |
|----|---------|--------------------------------------------------------------------|
| L  | 1173 mm | Length                                                             |
| B  | 340 mm  | Width                                                              |
| H  | 75 mm   | Height                                                             |
| A1 | 1108 mm | Mounting distance single mounting                                  |
| A3 | 65 mm   | Mounting distance between luminaires in a light run arrangement    |
| X  | 65 mm   | Distance cable infeed to the center of the luminaire on the X-axis |
| Y  | 150 mm  | Distance cable infeed to the center of the luminaire on the Y-axis |

