# Q40 Surface mounted light

LMA0850-0WQAA



## Downloads

Download STEP-File:
https://api.diana-leuchten.de/uploads/M_LMA_0850_xx_QAA_a3a7e14c9a.STEP

Download 3D-PDF:
https://api.diana-leuchten.de/uploads/M_LMA_0850_xx_QAA_2ffd767e98.PDF

## Mounting

The ZMH00-W850F mounting set, which is not included in the scope of delivery, is required to attach the light.

## Technical details

| | |
|---|---|
| Operating voltage | 22-28 VDC |
| Power | 8 W |
| Connection | M12 plug |
| Protection | IP67 |
| Protection class | III |
| Risk group | 0 |
| Diameter | 40 mm |
| Length (L) | 190 mm |
| Material | anodized aluminium, tempered float glass |
| Beam angle | 100° |
| Light color | 5000 K white |
| UL | Yes |
| IO-Link | No |

Based on complex manufacturing process of LEDs typical values of technical LED-parameters as stated above are only statistical values, which do not comply necessarily with real technical parameters of each single product. Measurement of the light color white according to EN 62471:2008 at standard distance (illuminance = 500 lx). The risk group may vary depending on light color and application. Detailed information and measurement results are available on request.

## Safety note

LED Lighting Systems are able to generate very intense radiation, which can damage eyes by inappropriate use. The LED lights may only be used in accordance with the technical data and safety regulations. The safety and installation notes refer to the whole life cycle of the LED light. In-house regulations and relevant regulations valid for the country of use must be observed. If basically safety and warning requirements are ignored, there is a danger of personal injuries and property damages. We are not liable for any damage resulting from these cases.

• Use the light in perfect technical condition. Perform a professional assembly and electrical connection. • Installation of the LED light only by qualified staff. • The light is designed for a voltage of 24 VDC and should never be operated at other voltage. • Before working on the light, disconnect the power supply. • The light cannot be opened. Unauthorized modifications of the light are prohibited. • The light is fixed with the corresponding fixing elements (available as accessories).

The suitability of the product for the intended purpose of use has to be checked by the customer.

## Care instructions

Before cleaning the light, it must be disconnected from the power supply. If the light is dirty, it can be cleaned with a damp cloth and rubbing alcohol. Restart the light only, when there is no moisture on it. If the LED light fails, it must be checked by the manufacturer and repaired if necessary.

## Disposal information

This product is covered by WEEE Directive 2012/19/EU on waste electrical and electronic equipment. Dispose of the product properly and not as part of the domestic waste. The regulations of the respective country are to be observed. Information is provided by the national authorities.

## Electrical connection

| | | |
|---|---|---|
| PIN 1 | brown | +24 V |
| PIN 2 | white | nc |
| PIN 3 | blue | GND |
| PIN 4 | black | nc |
| PIN 5 | grey | nc |

Light supply voltage is 24 VDC.

c UL us LISTED
LOW VOLTAGE LUMINAIRE
E503650

## Isolux diagrams

Isolux diagrams 50 cm
$E_{v,max}$ = 1617 lx / $E_{v,m}$ = 572 lx

Isolux diagrams 100 cm
$E_{v,max}$ = 427 lx / $E_{v,m}$ = 292 lx

Isolux diagrams 150 cm
$E_{v,max}$ = 195 lx / $E_{v,m}$ = 162 lx

Isolux diagrams 200 cm
$E_{v,max}$ = 112 lx / $E_{v,m}$ = 101 lx

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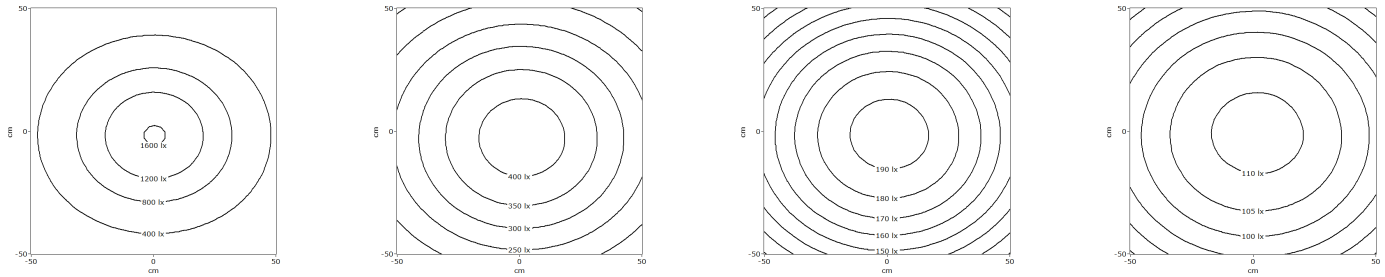


Measurement #sn100317994 from 2024-12-09
Ev,max = maximum illuminance / Ev,m = average illuminance (mean value of all illuminances over the measured measuring range) Due to the complex manufacturing process of light-emitting diodes and low measurement uncertainties, the ISO-Lux diagrams are only approximations, which do not necessarily correspond to the actual ISO-Lux diagrams of each individual product.