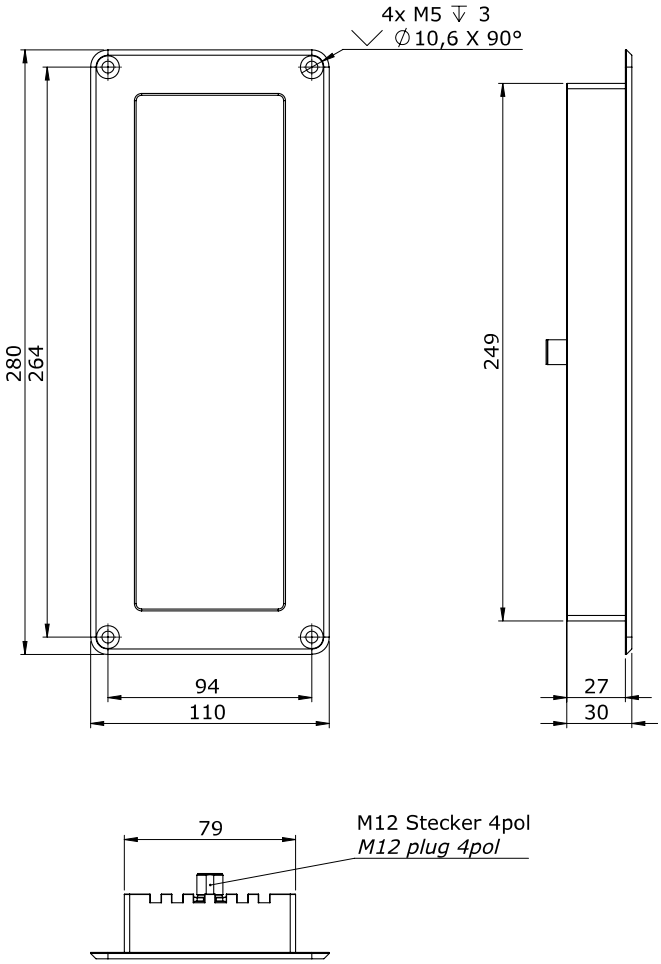
E110 Recessed light

LME0444-0012A

Dimensioned drawing



Technical details

Operating voltage	22-28 VDC
Power	20 W / 10 W ECO MODE
Connection	M12 plug backside
Connection (optional)	Available with M12 plug frontside or backside.
Protection	IP68
Protection class	III
Risk group	0
Length (L)	280 mm
Material	tempered float glass, anodized aluminum
Beam angle	6°
Light color	5000 K white
UL	No
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.

Downloads

Download STEP-File:
https://api.diana-leuchten.de/uploads/M_LME_0444_xxxx_A_d44e99cd07.STEP

Download 3D-PDF:
https://api.diana-leuchten.de/uploads/M_LME_0444_00xx_A_73560bbbd6.PDF

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.

Mounting

The light can be fixed to the flange with four M5 countersunk screws.

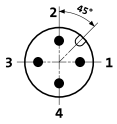
Disposal information

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.

E110 Recessed light

LME0444-0012A

Electrical connection



input (M12 plug, 4-pin)

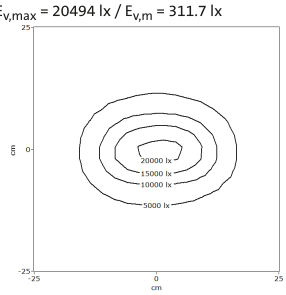
PIN 1	brown	ECO +24V (10mA)
PIN 2	white	nc
PIN 3	blue	GND
PIN 4	black	+24V

Light supply voltage is 24 VDC.

Isolux diagrams

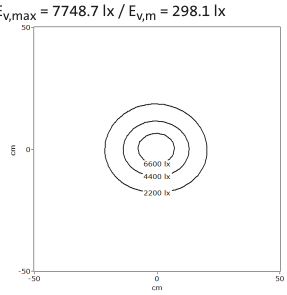
Isolux diagrams 50 cm

$E_{v,max}$ = 20494 lx / $E_{v,m}$ = 311.7 lx



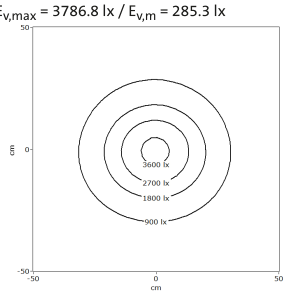
Isolux diagrams 100 cm

$E_{v,max}$ = 7748.7 lx / $E_{v,m}$ = 298.1 lx



Isolux diagrams 150 cm

$E_{v,max}$ = 3786.8 lx / $E_{v,m}$ = 285.3 lx



Measurement # from 2015-08-18
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.