

Illumination / Illumination accessories

Baumer ZVI-RL-80/141-IR

Article number: 11731493

Overview

- Flashable infrared LED ring light
- Infrared (850 nm)
- Radiation angle 90°
- Integrated LED controller with 4 operating modes
- IP54



Picture similar

CE Rohs

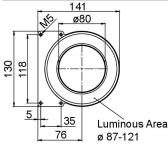
Technical data

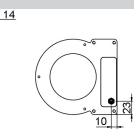
General data	
Manufacturer	Baumer
Illumination data	
Color / Peak wavelength	infrared (850 nm)
Beam angle	90°
Operating modes	steady light steady light with brightness control flashed light with PNP sourcing flashed light with NPN sourcing
Recommended illumination distance	150 mm 300 mm
Electrical data	
Connectors	M8/4-pin male connector
Operating voltage	24 VDC
Maximum flash duration	20 ms
Power consumption	approx. 9 W (steady light) approx. 25 W (flashed light)

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Mechanical data Construction design ring light Dimensions 141 mm x 130 mm x 14 mm 80 mm Inner diameter Dimensions luminous area inner diameter 87 mm outer diameter 121 mm Material of cover glass PMMA (acrylic glass) Material of housing aluminum (anodized, black) Weight ≤ 300 g **Environmental conditions** 0 ... +30 °C Operating temperature $0 \dots$ +45 °C with thermal connection Conformity CE RoHS Humidity 30 ... 70 % Protection class IP 54

Dimension drawing





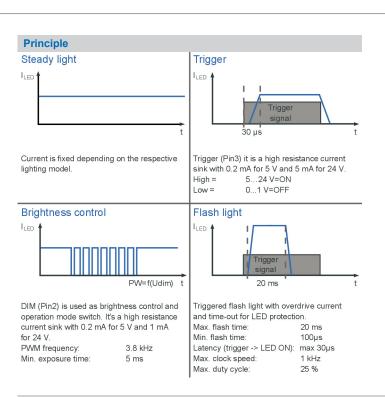
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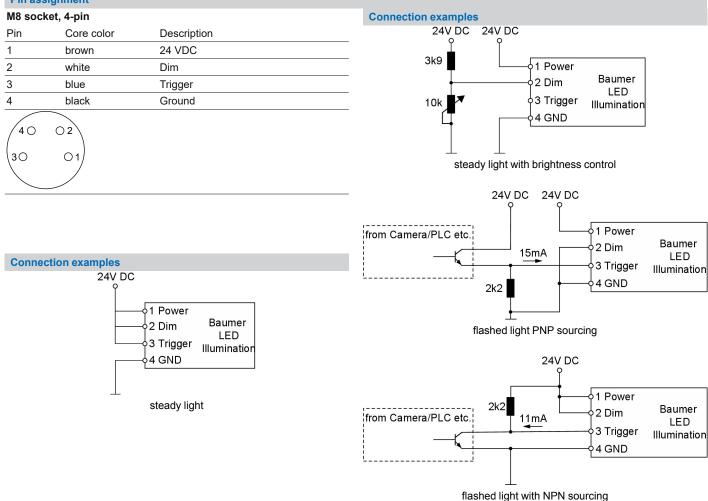
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Pin assignment



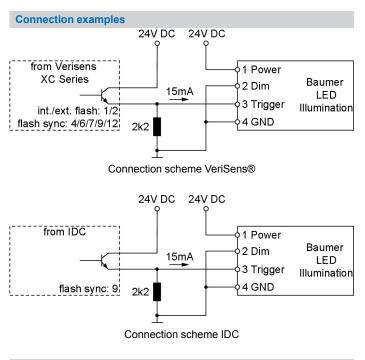
2024-12-17 The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.



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Read the warning and application instructions carefully and completely before working with this device.

Only operate the illumination in compliance with the prescribed protective measures. It is essential to ensure compliance with the permissible ambient conditions.

- The device is only designed for indoor use.
- Light:

Due to the risk of eye irritation or injury, it is not recommended to look directly into the light source. The illumination system must be switched off before installation and/or maintenance. The device must not be used if incorrect operation may cause personal injury.

Heat:

The surface temperature may exceed 60 °C if heat dissipation is inadequate or when the illumination is operated in flash mode with an excessively high duty cycle. Keep away from flammable materials by all means.

Electricity:

The housing is electrically isolated from the power supply ground. Exceeding the permissible input voltage Uin or ULED(+) may cause damage to the device or significantly shorten the service life of the LEDs within the device.

Usage:

Do not apply mechanical stress to the luminous area during operation. This will result in inhomogeneous light emission.

Cleaning:

The light surface must be cleaned with a conventional glass cleaner and a soft cleaning cloth. Avoid using other cleaning agents as these can damage the device.

Installation:

To maximize the service life of the LED, it is important to avoid heat build-up. To do so, install the lighting with a proper thermal connection. Be sure to hand-tighten the cables, do not overtighten.