

Backlight infrared panel

Mod. RE-34 / RE-34 "M"

The **RE-34** is an infrared backlight panel for industrial applications, robust and with good performances, powered at 24V DC. The typical deployment is lightning for image acquisition in process control or quality control in factory production.

The case is made of a black aluminum basement, a black PVC frame, and a plexiglass opal to evenly diffuse the light.

The light is emitted by a 24x6 led grid, for a total power of 8 watt maximum. The leds are driven with constant current. The high efficiency of the driver circuitry delivers a regular performance without overheating.

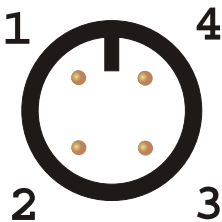


The connection cable, coated with PUR, is 30 cm long and terminated by an M-12 male connector. The "M" version has a pin which permits to adjust the luminosity using a voltage-controlled analog signal from 0 to 10V.

The aluminum basement has 4 screwed holes type M5 for fixing the device.

Connector

The image below shows the connector seen from the front, in order to have the pins visible.



Pin assignment:

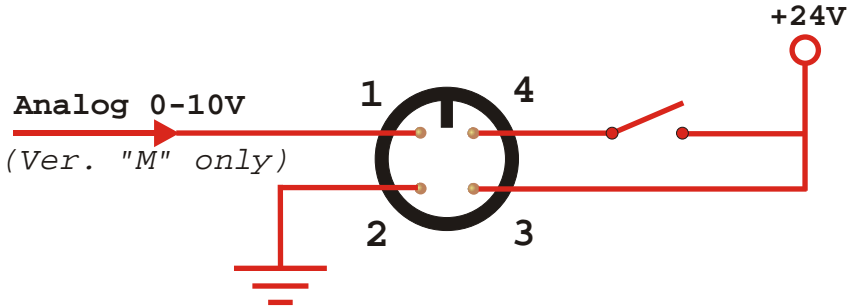
Pin 1: brightness adjust 0-10V (only the "M" version)

Pin 2: GND (ground, or power return)

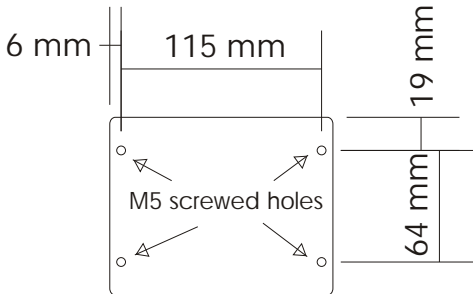
Pin 3: Strobe (light on-off, active at +24 volt)

Pin 4: +24V DC (power)

Connection example



Mounting



Use 4 screws of maximum length M5 x 20 mm.

Technical data

Power supply:	24V DC, +/- 5%, 300 mA
Maximum power:	8 W <i>circa</i>
Light wave length:	940 nm
Dimensions:	mm. 128 x 102 x 27h
Weight:	380 g
Case:	Aluminum + PVC + plexiglass
Protection degree:	IP45
Temperature range:	-10 to +60 °C
Maximum humidity:	90% relativa

Red signalling LED for "power present" on the top-left side of the panel



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