

High intensity led projector, to cover wide zones or enlightening from great distances.

Depending of the set collocation we can use them as a darkfield (standing out the small relief and cracks) or like a downlight illuminator.

The most typical applications of this light is the measure of objects or the stand out of edges.



LIGHTING TECHNIQUE

Lighting mode: Direct
 Light source: 80 LEDs high intensity
 Colour (nm): See table 1
 LED life: 100.000 hours

MECHANICAL

LxWxH: See external plane
 Mounting: 4 (M4)
 Housing material: Black anodized aluminium
 Weight: 390 grs.

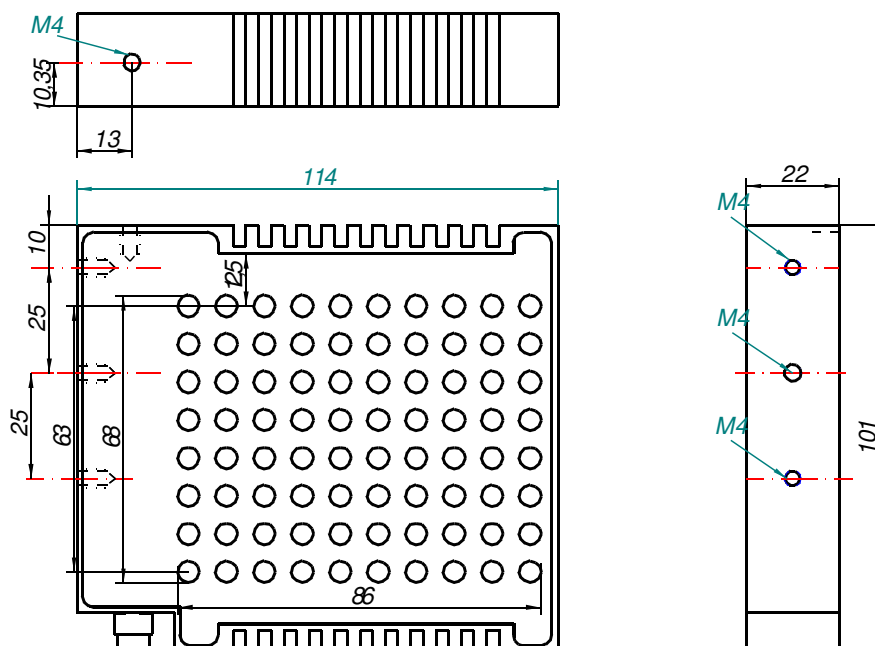
ELECTRICAL

Max. power supply: 24VDC (Continuous models)
 Max. consumption: 480mA
 Wire include: 1L00AA (See table 2)
 Wire terminal: Brown -> 24VDC
 Blue -> 0V (GND)

ENVIRONMENTAL

Max. Operating Humidity: 95% non-condensing
 Operating temp: 0..40°C
 Storage temp: 0..60°C

EXTERNAL PLANE



MODELS

Table 1.

Ligth colour	Wavelength	Type	Reference
Red	660nm	Continuous	IL031AA
Red	660nm	Strobe	IL031AS
Near infrared	880nm	Continuous	IL031AN
Near infrared	880nm	Strobe	IL031AM
Infrared	940nm	Continuous	IL031AI
Infrared	940nm	Strobe	IL031AJ
White	-----	Continuous	IL031AB
White	-----	Strobe	IL031AC
UV	400nm	Continuous	IL031AU
UV	400nm	Strobe	IL031AW
Others	-----	????	Consult

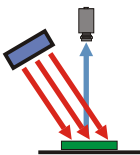
COMPLEMENTS

Table 2.

Complement	Type	Reference
Wire 1.8 m	Wire	IL000AA
Wire 2.5 m	Wire	IL000AB
Wire 4.0 m	Wire	IL000AC
Strobe controller with 3 outputs	Strobe	IL004BB

LIGHTING MODES

DOWN LIGHT PUNCTUAL LIGHTING (HARD)



The light produced by the leds array reaches directly the object. It produces a great contrast and emphasizes the textures, reliefs and fissures of the lighted object. Because any relief, even a small one, produces a very defined shadow.

The incidence light angle regarding the lighting plane will determine the degree of the relief's projection.

For very small angles regarding the horizontal, the light will produce shadows in the reliefs of the piece.

For angles near 90° with regard to the horizontal, the shadow will be visible just in great reliefs.

Its use is ideal for the detection of pieces and objects and its correct placement, in the detection of edges, scratches or fissures in a certain direction.