

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: 180 LEDs high intensity  
 Colour (nm): See table 1  
 LED life: 100.000 hours

### MECHANICAL

LxWxH: See external plane  
 Mounting: 9 (M4)  
 Housing material: Black anodized aluminium  
 Weight: 800 grs.

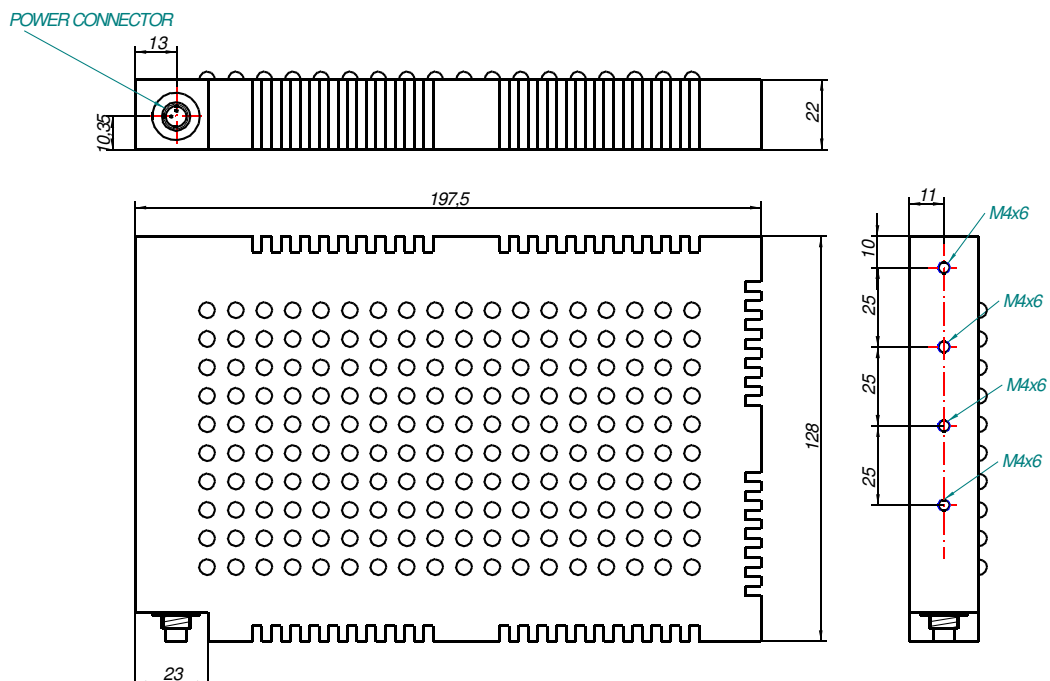
### ELECTRICAL

Max. power supply: 24VDC (Continuous models)  
 Max. consumption: 1080mA  
 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	IL027AA
Red	660nm	Strobe	IL027AS
Near infrared	880nm	Continuous	IL027AN
Near infrared	880nm	Strobe	IL027AM
Infrared	940nm	Continuous	IL027AI
Infrared	940nm	Strobe	IL027AJ
White	-----	Continuous	IL027AB
White	-----	Strobe	IL027AC
UV	400nm	Continuous	IL027AU
UV	400nm	Strobe	IL027AW
Others	-----	????	Consult

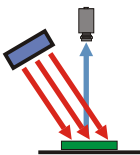
### COMPLEMENTS

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.