

High intensity led projector, to cover wide zones or to illuminate from great distances for a linear camera.

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 with linear camera systems.



**LIGHTING TECHNIQUE**

**Lighting mode:** Direct  
**Light source:** 6 LEDs 1W high intensity  
**Colour (nm):** See table 1  
**LED life:** Until 80.000 hours

**MECHANICAL**

**LxWxH:** See external plane  
**Mounting:** 2 (M4)  
**Housing material:** Black anodized aluminium  
**Weight:** 270 g

**ELECTRICAL**

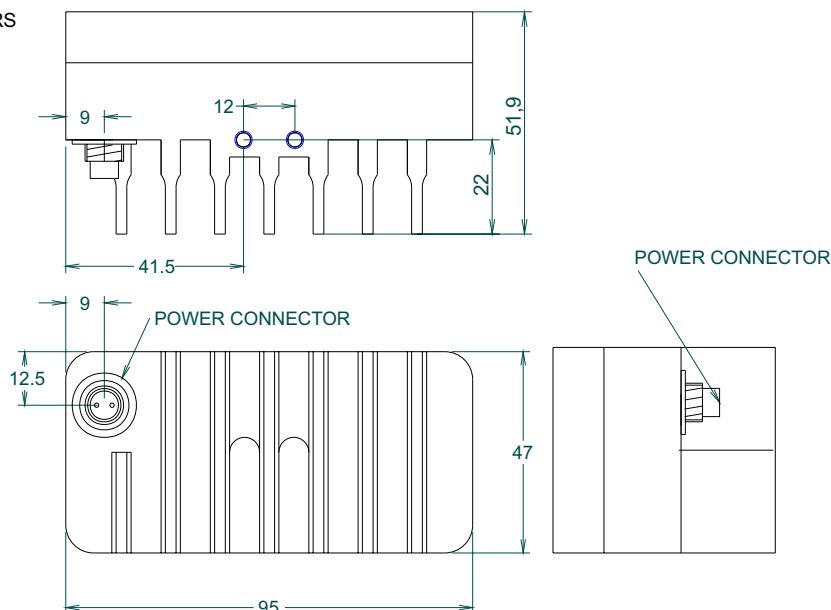
**Max. power supply:** 24VDC (Continuous models)  
**Max. consumption:** 300mA (White Model)  
**Wire include:** VCB018 (See table 2)  
**Wire terminal:** Brown -> 24VDC  
 Blue -> 0V (GND)

**ENVIRONMENTAL**

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

**EXTERNAL PLANE**

ALL UNITS IN MILLIMETERS



PRL

### MODELS

Table 1.

Ligth colour	Wavelength	Type	Reference
Blue	470nm	Continuous	PRL0802A-470C
Green	525nm	Continuous	PRL0802A-525C
Red	630nm	Continuous	PRL0802A-630C
White	-----	Continuous	PRL0802A-W00C
Others	-----	----	Consult

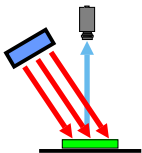
### COMPLEMENTS

Table 2.

Complement	Type	Reference
Wire 1.8 m	Wire	VCB018
Wire 2.5 m	Wire	VCB025
Wire 4.0 m	Wire	VCB040

### 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, relief's 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.