PRC0606

Compact Projector

High intensity led projector, to cover from wide zones at close distances to narrow zones at far distances. It can choose between three angles of emision.

10 watt projector in only 75x66x71.5mm

It's dimmable, regulated with a PWM signal through ON/OFF input (Recommended frequency of PWM over 2KHz for non flicker output).

Thermal protection save it of the high temperatures.

LIGHTING TECHNIQUE

Lighting mode: Direct
Light source: 4 LEDs 3W 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: 410 g

ELECTRICAL

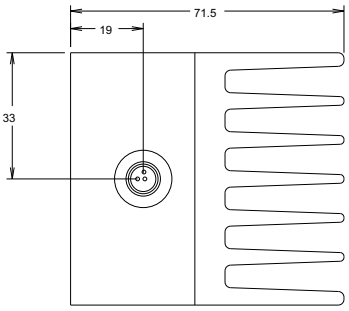
Max. power supply: 24VDC (Continuous models)
Max. consumption: 420mA
Wire include: VCB018 (See table 3)
Wire terminal: Red-> 24VDC
Blue -> 0V (GND)
Green -> ON/OFF Control
(ON: GND - OFF: Open)

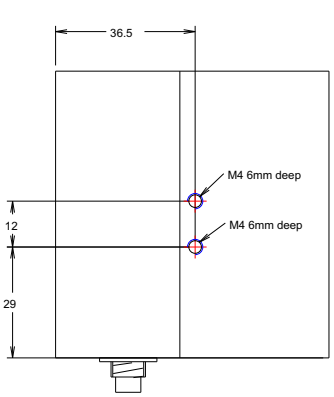
ENVIRONMENTAL

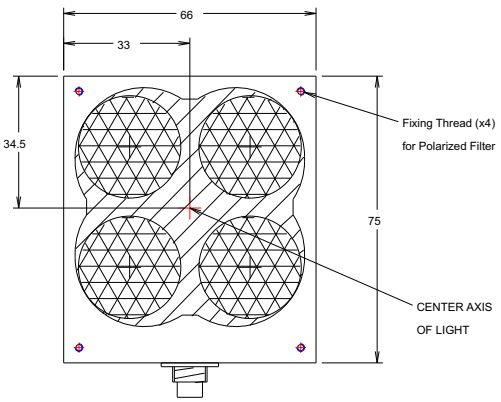
Max. Operating Humidity: 95% non-condensing
Operating temp: 0..40ºC
Storage temp: 0..60ºC

EXTERNAL PLANE

ALL UNITS IN MILLIMETERS







PRC

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MODELS

Table 1.

Ligth colour	Wavelength	Type	Reference*
Blue	470nm	Continuous	PRC0606A-470C/Ax
Green	525nm	Continuous	PRC0606A-525C/Ax
Red	630nm	Continuous	PRC0606A-630C/Ax
White	-----	Continuous	PRC0606A-W00C/Ax
Others	-----	----	Consult

Table 2.

Reference *(/Ax)	Angle
/AN	Narrow (8º-10º)
/AM	Medium (28º-30º)
/AW	Wide (42º-45º)

***PRC0606A-630C/AM** It means a projector of red ligth with a medium angle

PL This system can be polarized. Add **/FPL** at the end of the reference for request it.

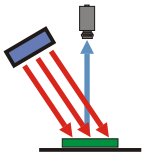
COMPLEMENTS

Table 3.

Complement	Type	Reference
Wire 1.8 m	Wire	VCC018
Wire 3.0 m	Wire	VCC030
Wire 5.0 m	Wire	VCC050

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 90º 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.