

PRD0200 is the best replacement for the optical fibre.

With his low weight and small size, using the last technology in LEDs, provides a great amount of light, without having the typical problems of optical fibres breakage, in addition to a low consumption and a reduced total volume.

PRD0200 is ideal for all those applications that need a great amount of light in a small surface.



LIGHTING TECHNIQUE

Lighting mode: Direct
Light source: 4 high intensity LEDs
Colour (nm): See table 1
LED life: Until 100.000 hours

MECHANICAL

LxWxH: See external plane
Mounting: Ø 20mm
Housing material: Black anodized aluminium
Weight: 25 g

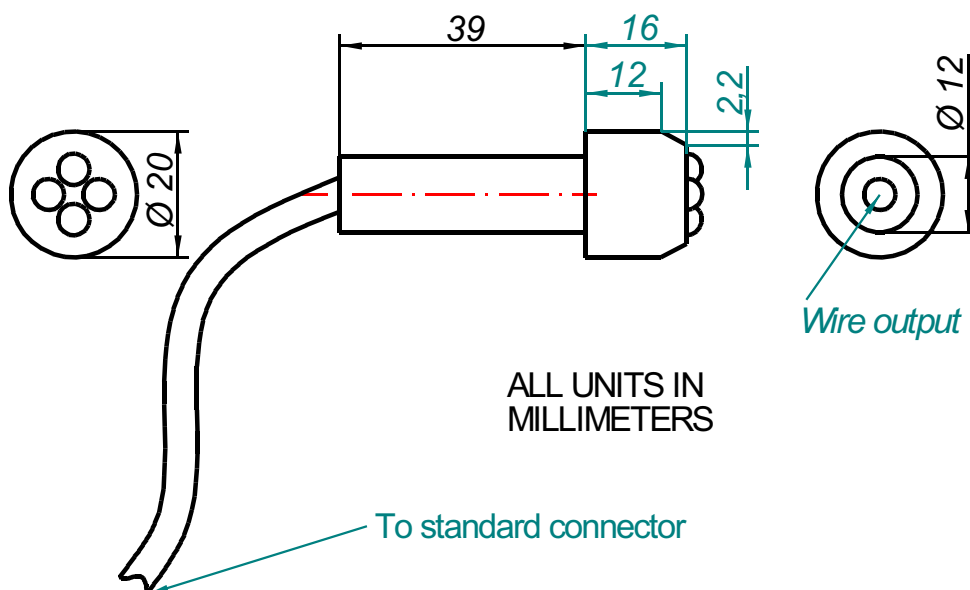
ELECTRICAL

Max. power supply: 24VDC (Continuous models)
Max. consumption: 30mA
Wire include: 1,80m
Wire terminal: white -> 24VDC
 Black -> 0V (GND)

ENVIRONMENTAL

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

EXTERNAL PLANE



PRD

MODELS

Table 1.

Ligth colour	Wavelength	Type	Reference
UV	400nm	Continuous	PRD0200A-400C
UV	400nm	Strobe	PRD0200A-400S
Blue	470nm	Continuous	PRD0200A-470C
Blue	470nm	Strobe	PRD0200A-470S
Green	525nm	Continuous	PRD0200A-525C
Green	525nm	Strobe	PRD0200A-525S
Red	630nm	Continuous	PRD0200A-630C
Red	630nm	Strobe	PRD0200A-630S
Near infrared	880nm	Continuous	PRD0200A-880C
Near infrared	880nm	Strobe	PRD0200A-880S
Infrared	940nm	Continuous	PRD0200A-940C
Infrared	940nm	Strobe	PRD0200A-940S
White	-----	Continuous	PRD0200A-W00C
White	-----	Strobe	PRD0200A-W00S
Others	-----	----	Consult

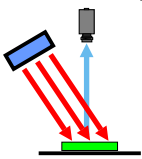
COMPLEMENTS

Table 2.

Complement	Type	Reference
Strobe controller with 3 outputs	Strobe	VST33I

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.