

Spot 20 is the best replacement for the optical fiber.

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 fibers breakage, in addition to a low consumption and a reduced total volume.

Spot 20 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:** 100.000 hours

### ELECTRICAL

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

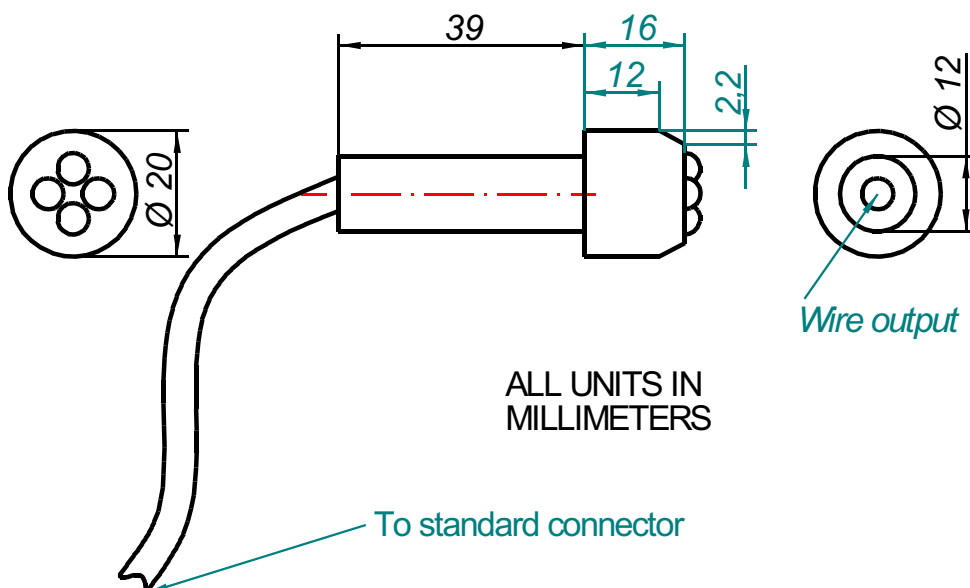
### MECHANICAL

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

### 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	IL035AA
Red	660nm	Strobe	IL035AS
Near infrared	880nm	Continuous	IL035AN
Near infrared	880nm	Strobe	IL035AM
Infrared	940nm	Continuous	IL035AI
Infrared	940nm	Strobe	IL035AJ
White	-----	Continuous	IL035AB
White	-----	Strobe	IL035AC
UV	400nm	Continuous	IL035AU
UV	400nm	Strobe	IL035AW
Others	-----	????	Consult

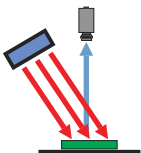
### COMPLEMENTS

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.