

These systems allow to light, from the camera axis through a diffused light, objects for their inspection, avoiding shadows and shines. With an opening of 100 x 100 mm and using LEDs of high luminosity, these systems become the ones with the greatest light intensity of the market. We offer the possibility of personalizing your axial lighting system, increasing or decreasing the quantity of light, making uniform the projected area, using different wavelengths.



LIGHTING TECHNIQUE

Lighting mode: Diffuse Axial
 Light source: 100 LEDs high intensity
 Colour (nm): See table 1
 LED life: 100.000 hours

MECHANICAL

LxWxH: See external plane
 Mounting: 4 x M6 steel hardened
 Housing material: Black anodized aluminium
 Weight: 1615 grs.

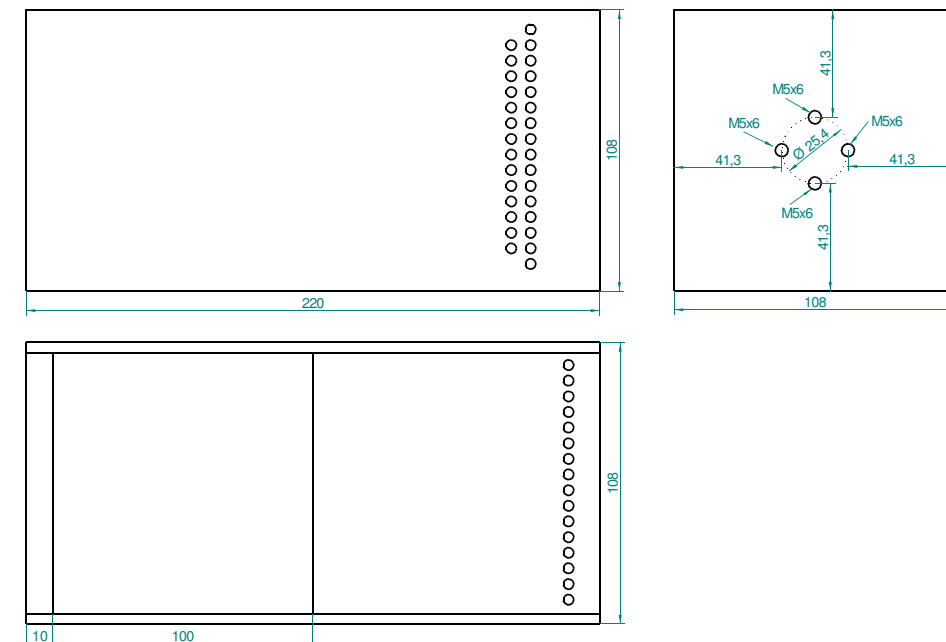
ELECTRICAL

Max. power supply: 24VDC (Continuous models)
 Max. consumption: 600mA
 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.

Light colour	Wavelength	Type	Reference
Red	660nm	Continuous	IL003BA
Red	660nm	Strobe	IL003BS
Near infrared	880nm	Continuous	IL003BN
Near infrared	880nm	Strobe	IL003BM
Infrared	940nm	Continuous	IL003BI
Infrared	940nm	Strobe	IL003BJ
White	-----	Continuous	IL003BB
White	-----	Strobe	IL003BC
UV	400nm	Continuous	IL003BU
UV	400nm	Strobe	IL003BW
Others	-----	????	Consult

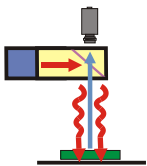
COMPLEMENTS

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

DIFFUSE AXIAL LIGHT



Diffuse, uniform light that comes from the same axis of the camera.

As the light comes from the same axis of the camera, the projected shadow isn't visible for the object because it's produced vertically. In reflectant flat surfaces, the camera would see reflected its own objective if this method of lighting weren't used. So that, this equipment is indicated to check reflectant flat surfaces and deep cavities.