

The ringlight allows the illumination of objects from the axis of the camera, which can be easily adapted different optics and several areas of supervision.

The frontal light allows the lighting of objects without lustre, giving images of high intensity and contrast, standing out textures.

To avoid reflections, the ALS1105 includes a diffused filter which is suitable for the use on uniform textures and to minimize reflections.



ALS

LIGHTING TECHNIQUE

Lighting mode: Diffuse
Light source: 100..110 high intensity LEDs
Colour (nm): See table 1
LED life: Until 100.000 hours

MECHANICAL

LxWxH: See external plane
Mounting: 3 (M4) & 3 (M5 DIN913)
Housing material: Black anodized aluminium
Weight: 400 g

ELECTRICAL

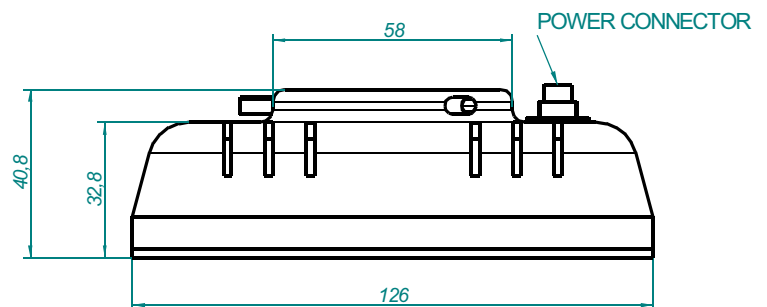
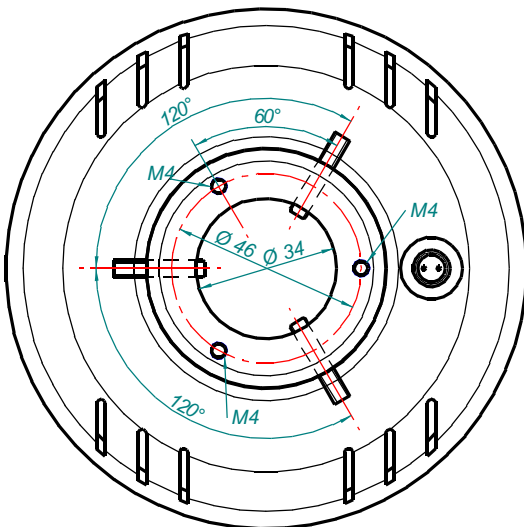
Max. power supply: 24VDC (Continuous models)
Max. consumption: 540mA (white model)
Wire include: VCB018 (See table 2)
Wire terminal: Brown -> 24VDC
 Blue -> 0V (GND)

ENVIRONMENTAL

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

EXTERNAL PLANE

ALL UNITS IN MILLIMETERS



MODELS

Table 1.

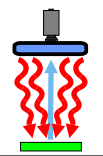
Ligth colour	Wavelength	Type	Reference
UV	400nm	Continuous	ALS1105A-400C
UV	400nm	Strobe	ALS1105A-400S
Blue	470nm	Continuous	ALS1105A-470C
Blue	470nm	Strobe	ALS1105A-470S
Green	525nm	Continuous	ALS1105A-525C
Green	525nm	Strobe	ALS1105A-525S
Red	630nm	Continuous	ALS1105A-630C
Red	630nm	Strobe	ALS1105A-630S
Near infrared	880nm	Continuous	ALS1105A-880C
Near infrared	880nm	Strobe	ALS1105A-880S
Infrared	940nm	Continuous	ALS1105A-940C
Infrared	940nm	Strobe	ALS1105A-940S
White	-----	Continuous	ALS1105A-W00C
White	-----	Strobe	ALS1105A-W00S
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
Strobe controller whit 3 outputs	Strobe	VST33I

LIGHTING MODES



DIFFUSE RADIAL LIGHT (SOFT LIGHT)

When the lighting comes from all the perimeter of the axis of the camera, it reduces shadows, softens textures and minimizes the influency of fissures, dust and faults that the object can have when it captures the image. Ideal for the detection of different coloured marks, characters and the detection of everything that supposes a change of colour on flat bright surfaces as well as on rough ones.