



Thinking of the new INFRALUX illuminators as "standard" illuminators would be extremely reductive. This new line comes from an extensive research and is based on the implementation of technologies usually applied exclusively to High-Tech sectors. Made of SMD technology with current regulation, supplied with high-intensity semiconductors specific for CCTV applications. LEDs in ThinFilm and a large energy gap: particularly suitable for applications requiring high efficiency and high operating temperatures.

Optical collimator guarantees an extremely highly efficient light beam.

Illumination intensity adjustment (by threshold) with PSRS25-12 power supply and with ACBOX3512 or ACBOX35-00.

The cover is composed with specific techno-polymers for selective lighting applications system.

The body of illuminator is made of Anticorodal extrusion with electrocolour galvanic treatment and, together with stainless steel bolts and screws, guarantee high resistance to corrosion and weather conditions (particularly indicated for marine environment). IP66

Low power consumption and long-lasting LEDs make it possible to effectively reduce operating and maintenance costs during its whole service life.

IL150

InfraLUX - HighPower IR-LED illuminator

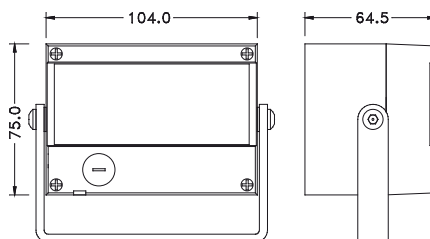
- SMD technology
- Specific semiconductors for CCTV applications
- High intensity IR-LED
- High efficiency collimator
- Maximum range up to 155 m (see technical data)
- Adjustable twilight switch
- Reverse polarity protection
- Long-lasting IR-LED (>50.000 hours)
- Wide temperature range (-40°C ÷ +100°C)
- IP66 protection rate

APPLICATIONS

Wherever an high-intensity IR illumination source is needed for night shootings or for better quality image (with high sensitive cameras). Particularly suitable for long distances, military base, perimetric systems, city centre, car park, barrier gate, airports, and so on.



InfraLUX - HighPower IR-LED illuminator



dimensions in mm

TECHNICAL SHEET

Raw material Anticorodal/Techno-polymers

Technology SMD

Wave length 850 nm

Light range (up to) 155m (11°)

LED service life >50.000 rated hours

Finishing Anodized

Colour Black

Power supply 12Vdc-1A

Operating temperature

-40°C ÷ +100°C

Protection rate IP66

Weight 900 g

Dimensions

W 104 x H 75 x L 64,5 mm

LEDs class 1M

VERSIONS

LIGHT RANGES

INFRALUX IL150 is supplied with: adjustable automatic twilight switch, U support, 3m connecting cable with a Compound sheath for outdoor use, in compliance with CEI 20-22/II.

IL150 130-00 130°(H)x90°(V) illumination angle

IL150 130-WB complete with wall bracket

IL150 045-00 45° illumination angle

IL150 045-WB complete with wall bracket

IL150 025-00 25° illumination angle

IL150 025-WB complete with wall bracket

IL150 018-00 18° illumination angle

IL150 018-WB complete with wall bracket

IL150 011-00 11° illumination angle

IL150 011-WB complete with wall bracket

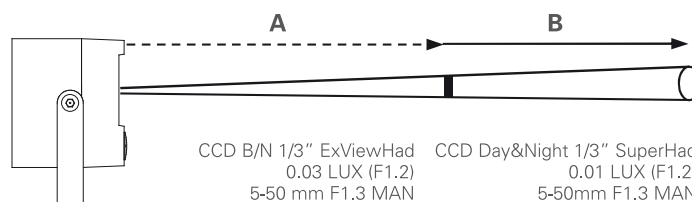
Light ranges referred to:

A) CCD camera 1/3" B/N, 0.03 Lux (F1.2)

B) CCD camera 1/3" Day&Night, 0.01 Lux (F1.2)

Lens: 5-50mm F1.3 manual varifocal

The measurements have been executed on an open grass field: no reflection from surrounding environment detected. Best performance is obtained with B/W cameras. In case of Day&Night cameras: versions with mechanic filters are indicated.



MODEL	ILLUMINATION ANGLE	A (up to)	B (up to)
IL150 130	130°(H)x90°(V)	18 m	25 m
IL150 045	45°	55 m	75 m
IL150 025	25°	75 m	105 m
IL150 018	18°	90 m	125 m
IL150 011*	11°	110 m	155 m

* on request only (L 75,5mm)

Indicated ranges are maximum achievable distances and are subject to CCD cameras and lenses specified, with 1/50s shutter speed. For medium performances cameras reduce distance by at least 30%. For low performances cameras reduce distance by at least 50% 940nm option, could result in 50% distance decrease, compared to 850nm wave length; this percentage is only indicative and strictly related to CCD's Quantum Efficiency. Available on request only.

OPTIONAL ACCESSORIES

ILWBS100-00 wall bracket

ILWBS100-TS support for two illuminators

ILWBS100-PM ILWBS100-00 pole mount adaptor

PSRS25-12 12Vdc-2.1A switching

PSBOX35-00 wired PSU

ACBOX3512 PSRS25-12 switching in box, IP65

NOTE ACBOX3512 and PSBOX35-00 also for max. 2 illuminators IL100 or IL150

LEDs guarantee a long service life when used according to operation suggestions.

LED reliability is correlated to operating temperature: ventilation must always be guaranteed as much as possible.

Product sheets and availability subject to change without prior notice
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