

InfraLUX - HighPower IR-LED illuminator

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 PSRS75-12 power supply and with PSBOX75-00.

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.

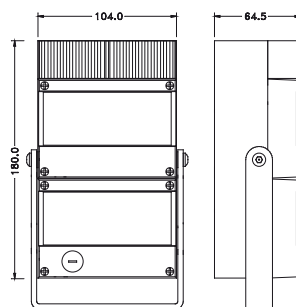
- SMD technology
- Specific semiconductors for CCTV applications
- High intensity IR-LED
- High efficiency collimator
- Maximum range up to 310 m (see technical data)
- Adjustable twilight switch
- Reverse polarity protection
- Long-lasting IR-LED (>50.000 hours)
- Wide temperature range (-40°C ÷ +100°C)
- IP66 protection rate

APPLICATIONS

Wherever an discreet IR illumination source is needed for night shootings or for better quality image (with high sensitive cameras). Particularly suitable for dome camera system, military base, perimetric system, airports, prison, water reservoirs, urban video system, city center, industrial park, power plants, 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) 310m (11°)
LED service life >50.000 rated hours

Finishing Anodized
Colour Black
Power supply 12Vdc-4A
Operating temperature -40°C ÷ +100°C

Protection rate IP66
Weight 2200 g
Dimensions W 104 x H 180 x L 64,5/75,5 mm
LEDs class 1M

VERSIONS

INFRALUX IL300 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.

- IL300 045-00** 45° illumination angle
- IL300 045-WB** complete with wall bracket
- IL300 025-00** 25° illumination angle
- IL300 025-WB** complete with wall bracket
- IL300 018-00** 18° illumination angle
- IL300 018-WB** complete with wall bracket
- IL300 011-00** 11° illumination angle
- IL300 011-WB** complete with wall bracket

Light ranges referred to:

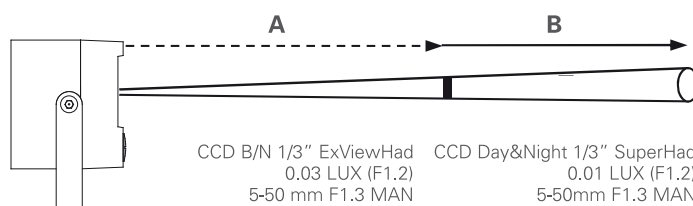
- A) CCD camera 1/3" B/N, 0.03 Lux (F1.2)
- B) CCD camera 1/3" Day&Night, 0.01 Lux (F1.2)
- Lens: 5-50mm F1.3 manual varifocal

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.

OPTIONAL ACCESSORIES

- ILWBE280-00** wall bracket
- ACWBE280-PM** ILWBE280-00 pole mount adaptor
- PSRS75-12** 12Vdc-6A switching
- PSBOX75-00** wired PSU
- NOTE** PSBOX75-00 also for max. 2 illuminators IL200

LIGHT RANGES



MODEL	ILLUMINATION ANGLE	A (up to)	B (up to)
IL300 045	45°	110 m	155 m
IL300 025	25°	150 m	210 m
IL300 018	18°	180 m	250 m
IL300 011 *	11°	220 m	310 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. INFRALUX illuminators are in compliance with requirement of the Directives: LASER/LED EN60825-1, fourth edition.

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.
© 2012, SERINN snc. Tutti i diritti riservati.