



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 PSRS35-12 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.

## IL200

### InfraLUX - HighPower IR-LED illuminator

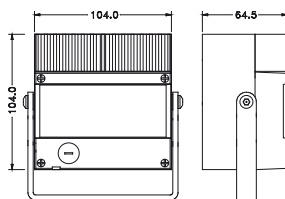
- SMD technology
- Specific semiconductors for CCTV applications
- High intensity IR-LED
- High efficiency collimator
- Maximum range up to 210 m (see technical data)
- Adjustable twilight switch
- Reverse polarity protection
- Long-lasting IR-LED (>50.000 hours)
- Wide temperature range (-40°C ÷ +100°C)
- IP66 protection rate

#### APPLICATIONS

Wherever a discreet IR illumination source is needed for night shootings or for better quality image (with high sensitive cameras). Particularly suitable for wide indoor illumination, dome camera system, military base, perimetric system, airports, city center, car park, 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)** 210m (11°)  
**LED service life** >50.000 rated hours

**Finishing** Anodized  
**Colour** Black  
**Power supply** 12Vdc-2A  
**Operating temperature** -40°C÷+100°C

**Protection rate** IP66  
**Weight** 1100 g  
**Dimensions** W 104 x H 104 x L 64,5 mm  
**LEDs class** 1M

**VERSIONS**

INFRALUX IL200 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.

- IL200 130-00** 130°(H)x90°(V) illumination angle
- IL200 130-WB** complete with wall bracket
- IL200 045-00** 45° illumination angle
- IL200 045-WB** complete with wall bracket
- IL200 025-00** 25° illumination angle
- IL200 025-WB** complete with wall bracket
- IL200 018-00** 18° illumination angle
- IL200 018-WB** complete with wall bracket
- IL200 011-00** 11° illumination angle
- IL200 011-WB** complete with wall bracket

Light ranges referred to:

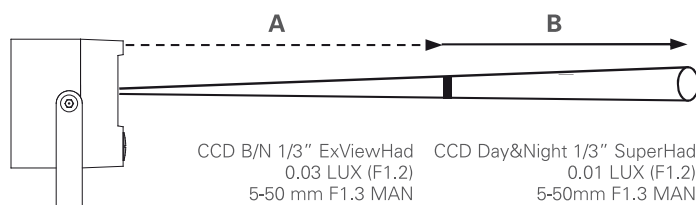
- A) CCD camera 1/3" B/N, 0.03 Lux (F1.2)
- B) CCD camera 1/3" Day&Night, 0.01 Lux (F1.2)
- Lens: 5-50mm F1.3 manual varifocal

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**

- ILWBS100-00** wall bracket
- ILWBS100-TS** support for two illuminators
- ILWBS100-PM** ILWBS100-00 pole mount adaptor
- PSRS25-12** 12Vdc-3A switching
- PSBOX35-00** wired PSU
- ACBOX3512** PSRS35-12 switching in box, IP65
- NOTE** ACBOX3512 and PSBOX35-00 also for max. 2 illuminators IL100 or IL150

**LIGHT RANGES**



MODEL	ILLUMINATION ANGLE	A (up to)	B (up to)
IL200 130	130°(H)x90°(V)	18 m	25 m
IL200 045	45°	75 m	105 m
IL200 025	25°	105 m	145 m
IL200 018	18°	125 m	175 m
IL200 011 *	11°	150 m	210 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.

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