

- 18 high efficiency LED array with current limited integral power circuit
- Advanced technology to deliver LED top performance and duration
- Wavelength 850nm
- Robust aluminium construction with acrylic front fascia
- Weatherproof standard IP67



IRBD

This range of LED infrared illuminators offers the latest intelligent technology, high performance, long life and low maintenance.

The illumination produced by IRBD lights the foreground and the background of the entire scene eliminating hotspots and underexposure for unrivalled night-time images and delivers absolute performance in night vision surveillance. An onboard microprocessor compensates for natural LED degradation and delivers a constant level of infrared performance, throughout the operating life of the illuminator.

These illuminators feature a regulated low power input circuit which allows the illuminator to be powered directly from a 12Vdc/24Vac supply without the need for a separate power supply, for reduced installation costs and easy and quick mounting.

Available in three versions with beam patterns 10°, 30° and 60°, lighting up to 220m (720ft)

IRBD illuminators are made from robust white painted aluminium with black acrylic front fascia, with an IP67 weatherproof rating.

A power and control box is available as an accessory to be used as a power supply or to synchronize IR light with ULISSE camera module Day/Night switching. Moreover the built in sensitivity adjustable photocell permits to reduce power consumption and extend LED life.

These illuminators are recommended for military surveillance, perimeter surveillance, airports and prisons, ports and harbours, as well as residential, commercial and town centre surveillance.



IRPSBD

TECHNICAL DATA

GENERAL

Robust aluminium construction anodised white, with black acrylic front fascia

18 high efficiency LED array with current limited integral power circuit

Beam patterns: 10°, 20°, 30°, 60°

Infrared beam wavelength: 850nm

Supplied with instruction manual, wall mount U-bracket, IP67 power connector and 5m (16ft) of connecting lead

Beam patterns and achievable distance*

IR10BD	10°, 850nm, 220m (720ft)
IR20BD	20°, 850nm, 150m (490ft)
IR30BD	30°, 850nm, 110m (360ft)
IR60BD	60°, 850nm, 70m (230ft)

* Achievable distance with CCD 1/2" B/W high sensitive cameras for night vision, ratio S/N greater than 20dB and minimum F1.4 lens aperture.

The typical distance of the subject to illuminate is in function of the reflection coefficient of the illuminated scene.

Power supply in weatherproof box

Dimensions: 193x242x82mm

Consumption: 100W (powering two spots on maximum power)

DAY/NIGHT (STATUS) output: energised control 30VDC -10mA (high when on)

Optional photocell input: clean NO contact (on when closed)

Cable sizes: AWG 16 - 30 (0.5mm² - 1.5mm²)

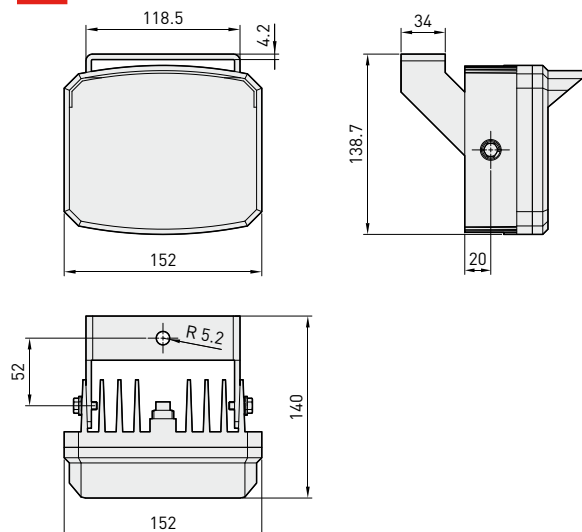
Operating temperature: -20°C / +50°C (-4°F / +122°F)

IP66 according to EN 60529

MECHANICAL

Dimensions [BxHxL]: 152x188x115mm (6.0x7.4x4.5in)

IRBD



The values are in millimeters.

ELECTRICAL

Input Voltage: 12-40Vdc or 24Vac +/-30%

Consumption: from 26 to 45W

RELATED PRODUCTS

IRPSBD120 Power supply and control to synchronize IR light with ULISSE camera module Day/Night switching, IN 120Vac, 50/60Hz - OUT 34Vdc, 4A, in weatherproof box*

IRPSBD230 Power supply and control to synchronize IR light with ULISSE camera module Day/Night switching, IN 230Vac, 50/60Hz - OUT 34Vdc, 4A, in weatherproof box*

IRPSBD24 Power supply and control to synchronize IR light with ULISSE camera module Day/Night switching, IN 24Vac, 50/60Hz - OUT 34Vdc, 4A, in weatherproof box*

* suitable for pole mount adaptor PTCC1 (with adapter plate OIRCPA)

ENVIRONMENT

Indoor / Outdoor

Operating temperature: -50°C/+50°C (-58°F/+122°F) max on full power

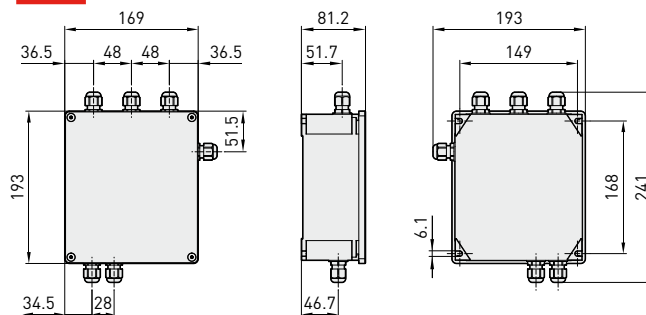
COMPLIANCE TO

This product complies with 89/336/EEC, 72/23/EEC Low Voltage Directive meeting the following CE Standards EN 60742/1/1990, EN 60598/2/5

Electromagnetic Compatibility Directive meeting the following standards EN 61000-6-3, EN 61000-3-3, EN 61000-3-2, EN50130-4

IP67

IRPSBD



Unit Weight:

IRBD 1.15kg / 2.5lb
IRSPBD 2.5kg / 5.5lb

Package Weight:

IRBD 1.44kg / 3.2lb
IRPSBD -

Package Dimensions [BxHxL]:

IRBD 11x22x25cm / 4.3x8.7x9.8in
IRPSBD -

Master Carton:

IRBD -
IRPSBD -