# iluminar

## **Product Features**

- Long range IR illuminator
- SMT LED technology
- Distances up to 623' (190m)
- Angles 10°, 30°, 60°, 100°& 120°
- 850nm or 940nm Wavelengths
- Low power consumption (36W)
- Long life
- 5 yearwarranty
- IP67 weatherproof rating
- Built-in photocell IR on/off
- · Telemetry input for remote switching
- 12-32VDC or 24VAC input

#### What is IR Illumination?

Active or near infra-red (NIR) illumination is energy which is invisible to the human eye but can be seen by a high quality true day/night camera (IR cut filter removed). The energy from IR illuminators resides just outside the visible red section of the electromagnetic spectrum, above 700nm and below 1000nm.

IR illumination is an ideal source of illumination for security cameras for the following reasons.

- It is invisible to the human eye but visible to black/white and true day/night cameras.
- Avoids the problem of light pollution.
- Longer range than visible light

All Iluminar illuminators provide superior IR lighting for video surveillance systems. They are available with a range of angles to cover different distances and scenes.

## IR623-2 Series



Supplied with an IP67 rating, they are vandal proof and can be used indoors and outdoors. The anodized aluminum housing provides protection from the harshest weather conditions

### Professional Illuminators vs Camera Builtin Illuminators

There are many advantages of using separate, professional illuminators versusbuilt-in camera infrared illuminators

- Longer life on the LED's
- No hot spots
- Wider angles
- Longer range
- Avoids attracting insects to obscure camera view

Product Specification IR Illuminators

## **Models**

Model Number	Wavelength	Angle	Distance		HOV	
IR623-A10-24-2	850nm	10°	623'	190m	108'	33m
IR623-A30-24-2	850nm	30°	328'	100m	177'	54m
IR623-A60-24-2	850nm	60°	246'	75m	285'	87m
IR623-A100-24-2	850nm	100° x 50°	160'	48m	375'	114m
IR623-A120-24-2	850nm	120°	131'	40m	456'	139m
IR623-C10-24-2	940nm	10°	295'	90m	53'	16m
IR623-C30-24-2	940nm	30°	157'	48m	85'	26m
IR623-C60-24-2	940nm	60°	118'	36m	138'	42m
IR623-C100-24-2	940nm	100° x 50°	75'	23m	180'	55m
IR623-C120-24-2	940nm	120°	62'	19m	217'	66m

**General** Electrical

Electronics High efficiency surface

mount high power LED's with advanced current limited integral control

circuitry

Input Voltage

12-32V DC or 24V AC

Input Current 1.6A at 24V AC

Consumption 36W

Number of SMT LED's 12

Construction Robust high quality

aluminum extrusion

Front window Polycarbonate high

transmittance protective

(vandal-proof) IR filter

Finish Black anodized

Power Cable 9ft (3m)

Telemetry Following Contact Via cable

Pressure Equalization

Vent

Prevents thermal expansion & pressure

cycling

Photocell Adjustment via Remote

Illumination Adjustable via Remote

Operating Temperature -58° to 140°F

(-50°to 60°C)

Weight 3.3lbs (1.5Kg)

Mount Black powder coated

stainless steel wall mount

Dimensions 6.49" x 4.33" x 3.14"

(165 x 110 x 80mm)

Wavelength

Standard (A) **850nm** (semi-covert)

Faint red glow visible on the illuminator only (no

visible light)

Optional (C) 940nm (covert)

No visible glow from illuminator – ideal for transportation or high security applications

Certifications

Safety EN60598:2004 Electrical Safety

EN60825-1 Laser Eye Safety

IP IP67 in accordance with EN60529:1992

EMC EN61000, FCC part 15.107

15.108 Class B

WEEE Waste Electrical & Electronic Equipment

European directive 202/96/EC

RoHS Restriction of Hazardous Substances European

directive 202/95/EC