iluminar   **IR229 Series**

Product Features

- IR illuminator with LED technology
- Distances up to 229' (70m)
- Various angles (10°, 20°, 30°)
- 850nm or 940nm Wavelengths
- Low power consumption
- Even illumination
- No maintenance required
- 3 year warranty
- IP67 weatherproof rating
- c/w wall mount
- Built-in photocell IR on/off
- 24VAC input

Who are Iluminar?

Iluminar (which stands for "illuminate" in Spanish) are a specialist manufacturer and supplier of IR and white light illuminators and license plate recognition products. The owners have over 30 years combined industry experience. Our company mission is to **supply high quality and reliable lighting and license plate recognition products to the CCTV industry, backed by unsurpassed customer service**.

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 black/white or 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, which makes it ideal as a covert/none obtrusive form of illumination.
- Because it is invisible to the human eye it does not create the problem of light pollution.
- It has a longer range than visible light due to the higher wavelength (up to approx. 1000' or 305m)

All Iluminar's Infrared illuminators are designed to provide superior IR lighting for CCTV systems. They are available with a range of angles to cover different ranges and scenes.

Supplied with an IP67 rating, they are vandal proof and can be used outdoors. The hardened housing provides protection from the harshest weather conditions and rapid temperature variations (14°F to 120°F).

Models

Model Number	Angle	Distance
IR229-A10-24	10°	229' / 70m
IR229-A20-24	20°	164' / 50m
IR229-A30-24	30°	131' / 40m
IR229-C10-24	10°	115' / 35m
IR229-C20-24	20°	82' / 25m
IR229-C30-24	30°	65' / 20m

General

Construction	Alloy housing with high transmittance protective (vandal-proof) IR filter
Finish	Black polyester powder coat
Environment	Indoor or outdoor
Operating Temperature	14° to 120°F (-10° to 50°C)
Humidity	Within 90% RH
MTBF	20,000 hours
Output Terminal	30CM L/W
Weight	2.8 lbs (1300g)
Dimensions	5.8" x 3.9" x 1.4" (149(W) x 99(H) x 35(D) mm)
Mount	Metal adjustable wall mount

Electrical

Input Voltage	24VAC
Input Current	480mA max.

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 (totally covert) – ideal for transportation or high security applications

Certifications

Meets NEMA Type 4 and IP67 standards