

iluminar

IRC315 Series

Product Features

- 180° Panoramic IR illuminator for day/night CCTV cameras
- Ideal for 180° panoramic cameras
- Area of illumination 95m²
- 850nm Wavelength
- Low power consumption (7.6W)
- 1 year warranty
- Weatherproof rating IP65 (indoor only)
- Built-in photocell IR on/off
- Dual power 12VDC or 24VAC input



Who is iluminar?

iluminar (which means "to illuminate" in Spanish) is 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?

Infrared 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. 919' or 280m)

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

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Models

Model Number	Wavelength	Angle	Area of Illumination*
IRC315-A180-24	850nm	180°	95m ²

* Viewing distance tested using Sony 1/3" CCD camera with 0.01Lux. To achieve the distance needed, please pay attention to your camera and lens specifications prior to purchase. IR illuminators require true day/night camera with mechanical IR cut filter. Distances realized may vary due to different camera and lens specifications.

General

Electronics	Specially designed IR LED's and circuit
Number of LED's	90 PCswide angle IR LED's
Construction	High efficiency aluminum heat evaporating case
Front window	Clear plastic dome
Finish	Graypowder coated
Power Cable	800mm (31.5")
Operating Temperature	-22° to 104°F (-30° to 40°C)
Weight	12.87oz (365g)
Dimensions	4.25" x 2.76" (108 x 70mm)
Control	CDS/10Lux

Electrical

Input Voltage	12Vdc or 24VAC ±10%
Input Current	550mA at 24VAC or 640mA at 12Vdc
Consumption	7.6W

Wavelength

Standard (A)	850nm (semi-covert) Faint red glow visible on the illuminator only (no visible light)
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Certifications

CE, RoHS, WEEE