iluminar

IRC300 Series

Product Features

- Medium range IR illuminator for day/night CCTV cameras
- Distances up to 300' (90m)
- Angle of illumination 40°
- 850nm Wavelength
- Low power consumption (36W)
- 1yearwarranty
- IP66weatherproof rating
- Built-in photocell IR on/off
- 12Vdc or 24VAC input

Who isiluminar?

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 ofiluminar'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.

Supplied with an IP66 rating, the IRC Series are vandal proof and are designed for outdoor use. The tempered glass panel and die cast aluminum housing

provideprotection from the harshest weather conditions
and rapid temperature variations (-58°F to 140°F).

Models

Model Number	Wavelength	Angle	Distance of Illumination*	
IRC300-A40-24	850nm	40°	300'	90m

* 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	Infrared LED's
Number of LED's	15
Construction	Metal cylindrical case
Front window	Tempered glass panel
Finish	Black powder coated
Power Cable	3ft (1m)
Operating Temperature	-22° to 104°F (-30°to 40°C)
Weight	5.1lbs (2.3Kg)
Mount	Black powder coated stainless steel wall mount. Adjustable via M6 Allen key (included)
Dimensions	6.18" x 8.97" (157 x 228mm)

Electrical

Input Voltage	12Vdc or 24VAC
Input Current	1.5Amps at 24VAC or 2.0Amps at 12Vdc
Consumption	42W

Wavelength

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

Certifications

Safety	EN60598:2004	Electrical Safety
	EN60825-1	Laser Eye Safety
IP	IP66 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	