iluminar

IRC430 Series

Product Features

- Super long range IR illuminator for true day/night CCTV cameras
- Distances up to 430' (130m)
- Angles 10°, 15°, 30°, 60°, 90° & 120°
- 850nm Wavelength
- Low power consumption (60W)
- 2yearwarranty
- IP66weatherproof rating
- Built-in photocell IR on/off
- 12Vdc or 24VAC input

Who isiluminar?

iluminar (which means to "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.

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

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

Models

Model Number	Wavelength	Angle	Distance of Illumination	
IRC430-A10-24	850nm	10°	430'	130m
IRC430-A15-24	850nm	15°	330'	100m
IRC430-A30-24	850nm	30°	250'	75m
IRC430-A60-24	850nm	60°	120'	35m
IRC430-A90-24	850nm	90°	99'	30m
IRC430-A120-24	850nm	120°	83'	25m

* 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.

Input Current	2.5Amps at 24VAC or 5.0Amps at 12Vdc
Consumption	60W

General

Electronics	High efficiency surface mount high power LED's with advanced current limited integral control circuitry
Number of SMT LED's	30
Construction	Robust high quality aluminum extrusion
Front window	Tempered glass panel
Finish	Black powder coated
Power Cable	1.47' (45cm)
Operating Temperature	-40° to 122°F (-40°to 50°C)
Weight	7.27lbs (3.3Kg)
Mount	Black powder coated stainless steel wall mount. Adjustable via M6 Allen key (included)
Dimensions	8.26" x 8.38" x 4.88" (210 x 213 x 124mm)

Wavelength

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

Certifications

Safety	EN 60598:2004	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	

Electrical

Input Voltage	12Vdc or 24VAC