

# iluminar

## IR229-P Series

### Product Features

- IR illuminator with LED technology
- Integrated into Pelco Esprit® series
- Provides 24 hour surveillance
- Illumination distance up to 325' (100m)
- 10°, 20° or 30° illumination angle
- Even output illumination
- IP67 weatherproof rating
- No external PSU required
- Full 360° continuous rotation
- Simple installation
- Color-matched to Esprit®
- Esprit® SMR 1-1DYGZU (Esprit® available from Pelco dealer)



### Product Description:

The IR229-P series illuminators are designed specifically to operate with all Pelco Esprit® ES30C-2N / ES31C-2N (24VAC) models (SMR 1-1DYGZU). The illuminators provide directional 850nm infra-red illumination to the Esprit® day/night cameras for total 24 hour surveillance.

The modified Pelco Esprit® is supplied with a mount designed specifically for the iluminar IR229-P series illuminators, allowing quick and easy installation. Full 360° continuous rotation is maintained to ensure ease of operation.

Direct power is supplied via the Esprit® to the twin IR229-P illuminators, alleviating the need for external power supplies.

The IR229-P illuminators are designed to obtain optimum low light performance from the Esprit® high performance day/night cameras. The weight and power of the illuminators has been optimized so as not to exert additional stress on the Esprit® and thereby maintain the life expectancy of the unit.

Two IR229-P 10° Illuminators mounted on an Esprit® provide infra-red illumination up to 325' (100m), allowing an Esprit camera to provide high quality video under total darkness. This makes for the perfect cost-effective solution for any low light security application.

## Models

Model Number	Angle	Distance
IR229-A10-24-P	10°	229' / 70m
IR229-A20-24-P	20°	164' / 50m
IR229-A30-24-P	30°	131' / 40m

## IR Illuminator

### General

Construction	Alloy housing with high transmittance protective (vandal-proof) IR filter
Finish	Grey polyester powder coat
Operating Temperature	14° to 120°F (-10° to 50°C)
Humidity	Within 90% RH
Weight	2.8 lbs (1300g)
Dimensions	5.8" x 3.9" x 1.4" (149(W) x 99(H) x 35(D) mm)

### Electrical

Input Voltage	24VAC
Input Current	500mA max. per unit

### Certifications

CE, Class B  
FCC, Class B  
UL/cUL Listed  
C-Tick  
GOST  
Meets NEMA Type 4X and IP67 standards

## Esprit®

### General

Construction	Aluminum Alloy
Wiring for Illuminators	Weather-tight connector at base of Esprit® housing
	Termination terminal strip inside Esprit® housing
Mechanical	Maximum capacity accepts 2 x IR229-P series IR Illuminators
	Stainless steel bolts
Operating Temperature	-50° to 140°F (-45° to 50°C)
Weight	Limit up to 6 lbs (2.7Kg) for 2 x IR Illuminators

Mount Modification	Weight +2 lb
Dimensions	20.70" x 13.30" x 18.0" (52.5 x 33.9 x 45.8mm)

Maximum width 21.70" (with iluminar IR229-P Series Illuminators installed)

### Electrical

Input Voltage	24VAC
Input Current	3A (1A available for IR illuminators)