

IR Illuminator with Reflective Mirror Type LED for long-distance irradiation

By assembling numbers of reflective mirror type LEDs, Alpha-One offers the high efficient Infrared Illuminator with perfect radiation.

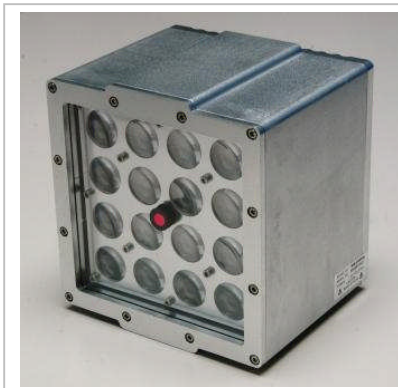
Applications

- ◇ CCD camera for watching a license plate
- ◇ IR surveillance system for various distances
- ◇ Light source for security system

※ We can also offer the customized illuminator according to each customer's requirement other than the standard models.

SIR-5000IL Series

*High Power reflective mirror type LEDs and the Fresnel lens are assembled.
By installing several units together, long distance illumination can be realized.*



Installed LED: AOP6-8512HP2



- Peak-wavelength: 850nm
- Forward voltage: typ. 1.6V
- Radiant Intensity: 3.7W/sr
(IF=800mA)
- Viewing angle: $\pm 14^\circ$

◆ Specifications

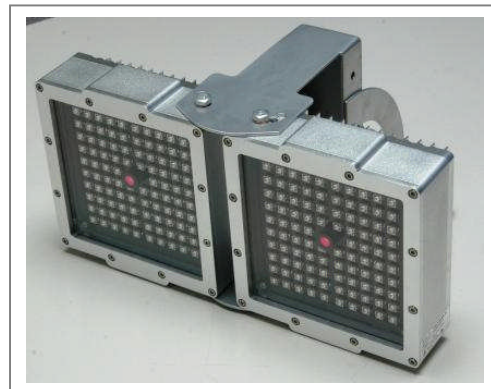
Parameter	SIR-5000IL x 2 units	SIR-5000IL x 4 units
Viewing distance	Up to 500M (1,640ft) at 0 lux	Up to 1000M (3,280ft) at 0 lux
Angle of IR LED	8.0°	
Infrared Wavelength*	Typical 850nm	
Installed LED	High Power Reflective Mirror Type IR LED (16pcs/unit)	
Input voltage/Current	DC 12V_5.6A (70Watt)	DC 12V_11.2A (140Watt)
Ambient Temperature	-35 ~ 60°C	
Humidity	90% RH	
Dimensions	150 (W) x 160 (H) x 147.5 (L) mm	
Weight	6.0kg	12.0kg

※ Other wavelength is available as an option.

SIR-V3000IL Series

◆ Features

- Waterproof Housing (IP66)
- Aluminum Anodizing
- Automatic ON/OFF illumination (Day&Night)
- Long range of irradiating distance
- Extremely low power consumption
- Various Angles (Narrow & Wide)



Installed LED: AOP1-8505P3



- Peak-wavelength: 850nm
- Forward voltage: Typical 1.5V
- Radiant Intensity: 340mW/sr (IF=100mA)
- Viewing angle: $\pm 7^\circ$

◆ Specifications

Viewing distance	Narrow: Up to 200M (656ft) / Wide: Up to 100M (328ft) at 0 lux
Angle of IR LED	14° ~ 28°
Infrared Wavelength*	Typical 850nm
Installed LED	Reflective Mirror Type IR LED (196pcs: 98pcs/unit)
Input voltage / Current	DC 12V _2.5A (30Watt)
Ambient Temperature	-35 ~ 60°C
Humidity	90% RH
Dimensions	300 (W) x 160 (H) x 67.5 (L) mm
Weight	Without bracket 3.5kg (Bracket: 1kg)

* Other wavelength is available as an option.

◆ External Dimension

