



AD1020 Series

INFRARED ILLUMINATORS



The AD1020 Series of infrared illuminators provide outstanding results when used with IR sensitive black and white cameras, like the ADC660 and the ADC660X. This combination provides a value driven alternative to very low light cameras.

These illuminators are excellent for covert security or where the use of visible lighting is not desired.

The 15 watt and 30 watt low-power illuminators are suitable for indoor and small outdoor areas.

Where greater outside distance is required, the 60 watt illuminators provide coverage to 55 m (180 ft).

FEATURES

- 880 and 950 nm versions
- 15, 30, and 60 watt versions
- IP66 rating
- MTBF exceeds 11 years
- Range up to 55 m (180 ft)
- Power supplies available
- Pan/tilt brackets available

SPECIFICATIONS

Model Number	Wattage	Operating Voltage	Current (Amps)	Infrared Wavelength (Nanometers)	Beam Dispersion	Nominal Light Range*	Weatherproof Standard	Service Life (Hours)	Weight	Dimensions (H x W x D)
Long Life LED										
AD1020-1541	15 watts	12 VDC (± 0.5 V)	1.25 A	950 nm	40°	15 m (49 ft)	IP66 (NEMA-3)	>100,000	0.35 kg (0.77 lbs)	66 x 66 x 55 mm (2.6 x 2.6 x 2.2 in)
AD1020-3020	30 watts	13 VDC (± 0.5 V)	2.30 A	880 nm	20°	35 m (114 ft)	IP66 (NEMA-6)	>100,000	1.30 kg (2.80 lbs)	128 x 182 x 65 mm (5.0 x 7.2 x 2.6 in)
AD1020-3050	30 watts	13 VDC (± 0.5 V)	2.30 A	880 nm	50°	28 m (91 ft)	IP66 (NEMA-6)	>100,000	1.30 kg (2.80 lbs)	128 x 182 x 65 mm (5.0 x 7.2 x 2.6 in)
AD1020-3051	30 watts	13 VDC (± 0.5 V)	2.30 A	950 nm	50°	25 m (82 ft)	IP66 (NEMA-6)	>100,000	1.30 kg (2.80 lbs)	128 x 182 x 65 mm (5.0 x 7.2 x 2.6 in)
AD1020-6020	60 watts	13 VDC (± 0.5 V)	4.60 A	880 nm	20°	55 m (180 ft)	IP66 (NEMA-6)	>100,000	1.30 kg (2.80 lbs)	128 x 182 x 65 mm (5.0 x 7.2 x 2.6 in)
AD1020-6050	60 watts	13 VDC (± 0.5 V)	4.60 A	880 nm	50°	42 m (136 ft)	IP66 (NEMA-6)	>100,000	1.30 kg (2.80 lbs)	128 x 182 x 65 mm (5.0 x 7.2 x 2.6 in)
AD1020-6051	60 watts	13 VDC (± 0.5 V)	4.60 A	950 nm	50°	35 m (113 ft)	IP66 (NEMA-6)	>100,000	1.30 kg (2.80 lbs)	128 x 182 x 65 mm (5.0 x 7.2 x 2.6 in)

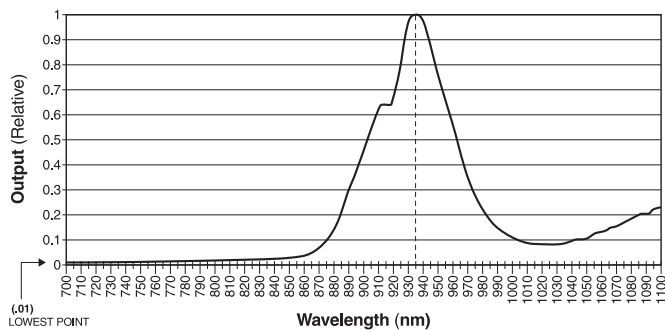
*Nominal range is based on the use of a CCD camera with 15% IR-sensitivity at f1.4, 50% medium scene reflectance.

Accessories

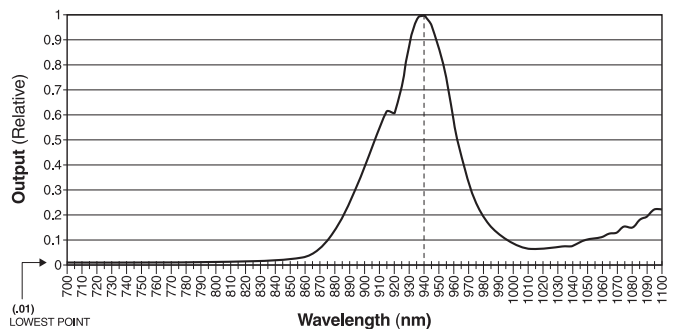
- AD1020-15PS120 VAC to 12 VDC power supply for AD1020-1541 Illuminator
- AD1040-3060PSA120 VAC to 13.5 VDC power supply for one AD1020-30 or AD1020-60 series LED Illuminator
- AD1050-RL“L” Bracket - one IR Illuminator on Champion Series P/T

Environmental

Operating Temperature-30° to 50° C (-22° to 122° F)



AD1020-6051 Output Characteristics



AD1020-1541 Output Characteristics