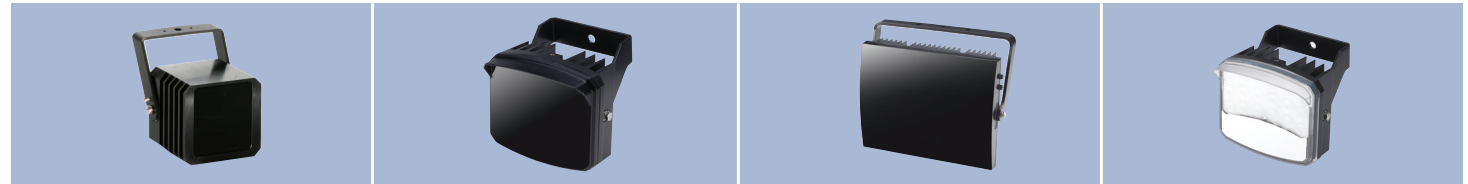


CCTV Illumination from Bosch

Quick Selection Guide



BOSCH
Invented for life



EX 12LED IR

AEGIS UFLED IR

AEGIS SuperLED IR

AEGIS UFLED White Light

Key features

- ▶ Intelligently designed for high reliability, long life and low cost of ownership
- ▶ 3D diffuser technology (Black Diamond) directs light to the foreground & background of the camera's field of view for evenly illuminated, high quality night-time image capture
- ▶ Constant Light technology automatically controls & adjusts light output to compensate for LED degradation & temperature fluctuations (AEGIS versions only)
- ▶ Energy efficient, low voltage operation enables easy installation & allows AEGIS to be powered via a 12 or 24 Volt power supply
- ▶ Lowers bit rate & storage of IP and digital recording systems under low light conditions
- ▶ Enables the optimum night-time performance of analogue & megapixel cameras, IP & video analytics
- ▶ 850nm semi-covert & 940nm covert infrared versions for zero light pollution
- ▶ AEGIS white light enables accurate camera colour rendition at night & can be used with a trigger to deter criminal activities

EX 12LED IR	AEGIS UFLED IR	AEGIS SuperLED IR	AEGIS UFLED White Light
EX12LED-3BD-8M, 30°, 31m	UFLED10-8BD, 10°, 850nm, 220m	SLED10-8BD, 10°, 850nm, 320m	UFLED10-WBD, 10°, 60m
EX12LED-3BD-8W, 60°, 15m	UFLED20-8BD, 20°, 850nm, 150m	SLED20-8BD, 20°, 850nm, 200m	UFLED20-WBD, 20°, 40m
EX12LED-3BD-9M, 30°, 15m	UFLED30-8BD, 30°, 850nm, 110m	SLED30-8BD, 30°, 850nm, 160m	UFLED30-WBD, 30°, 35m
EX12LED-3BD-9W, 60°, 7m	UFLED60-8BD, 60°, 850nm, 70m	SLED60-8BD, 60°, 850nm, 110m	UFLED60-WBD, 60°, 25m
	UFLED95-8BD, 95°, 850nm, 50m	SLED95-8BD, 95°, 850nm, 85m	UFLED95-WBD, 95°, 20m
	UFLED120-8BD, 120°, 850nm, 35m	SLED120-8BD, 120°, 850nm, 55m	UFLED120-WBD, 120°, 15m
	UFLED10-9BD, 10°, 940nm, 135m	SLED10-9BD, 10°, 940nm, 190m	
	UFLED20-9BD, 20°, 940nm, 80m	SLED20-9BD, 20°, 940nm, 120m	
	UFLED30-9BD, 30°, 940nm, 65m	SLED30-9BD, 30°, 940nm, 90m	
	UFLED60-9BD, 60°, 940nm, 40m	SLED60-9BD, 60°, 940nm, 65m	
	UFLED95-9BD, 95°, 940nm, 30m	SLED95-9BD, 95°, 940nm, 45m	
	UFLED120-9BD, 120°, 940nm, 20m	SLED120-9BD, 120°, 940nm, 30m	

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	EX12LED IR	AEGIS UFLED IR	AEGIS SuperLED IR	AEGIS UFLED White Light
Description				
LEDs	42 x through hole LEDs	18 x high efficiency Surface Mount LEDs	36 x high efficiency Surface Mount LEDs	18 x high efficiency Surface Mount LEDs
Wavelength options	850nm or 940nm	850nm or 940nm	850nm or 940nm	Visible white light
Max illumination range*	850nm 31m (101ft)	220m (720ft)	320m (1050ft)	
	940nm 15m (49ft)	135m (440ft)	190m (625ft)	
	white light			60m (195ft)
Beam angles	30°, 60°	10°, 20°, 30°, 60°, 95°, 120°	10°, 20°, 30°, 60°, 95°, 120°	10°, 20°, 30°, 60°, 95°, 120°
Typical operational life	>5 years within specification	>5 years within specification	>5 years within specification	>5 years within specification
Construction				
Material	Robust anodized aluminium housing with acrylic front facia	Robust anodized aluminium housing with acrylic facia	Robust anodized aluminium housing with acrylic facia	Robust anodized aluminium housing with acrylic facia
Colour	Black with black front facia	Black with black front facia	Black with black front facia	Black with clear front facia
Dimensions	74 x 70 x 70mm (2.9 x 2.8 x 2.8")	152 x 188 x 115mm (6.0 x 7.4 x 4.5")	305 x 240 x 110mm (12 x 9.5 x 4.5")	152 x 188 x 115mm (6.0 x 7.4 x 4.5")
Weight	454g (1.0lbs)	1.4Kg (3.1lbs)	3.8Kg (8.4lbs)	1.4Kg (3.1lbs)
Power				
Power input	12 VDC or 24 VAC	12-24 VDC or 24 VAC +30%	12-24 VDC or 24 VAC, 50 / 60 Hz	12-24 VDC or 24 VAC +30%
Power consumption **	9W max	26 – 45W max	50 – 90W max	26 – 45W max
Environmental				
Weatherproofing	IP67 / NEMA 4X	IP67 / NEMA 4	IP66	IP67 / NEMA 4
Operational temperature	-50°C to +60°C (-58°F to +140°F)	-40°C to +50°C (-40°F to +122°F)	-40°C to +50°C (-40°F to +122°F)	-40°C to +50°C (-40°F to +122°F)
Accessories				
Recommended PSU	UPA-2420-50 220 VAC or UPA-2430-60 120 VAC PSU	PSU-224-DC100 (can power two UFLED units)	PSU-224-DC100 (can power one SLED unit)	PSU-224-DC100 (can power two UFLED units)
Bracket	Wall mount u-bracket supplied as standard	Wall mount u-bracket supplied as standard	Wall mount u-bracket supplied as standard	Wall mount u-bracket supplied as standard
Cable	Supplied with 2m (6.5ft) of connecting lead	Supplied with 5m (16.5ft) of connecting lead	Supplied with 4m (13ft) of connecting lead	Supplied with 5m (16.5ft) of connecting lead
Typical applications				
	Short range indoor and outdoor applications, commercial & residential, offices, bars & nightclubs, Wherever evidentiary quality night-time surveillance images are needed	Rail & road applications, city centres, commercial & residential applications Wherever evidentiary quality night-time surveillance images are needed	Perimeter surveillance, utilities, ports & harbours, border control, airports Wherever evidentiary quality night-time surveillance images are needed	Energy efficient safety & architectural lighting, triggered visible lighting, industrial & commercial sites Wherever evidentiary quality night-time surveillance images are needed

* Achievable distance is dependent on camera & lens characteristics. Use a high performance 1/2" format & IR corrected lens at F1.4 to achieve a minimum SN ratio of 20dB

** Power consumption will vary over time due to optical output control which compensates for LED degradation and ambient temperature fluctuations