



UF500

- ▶ High Performance Infra-Red Illuminator
- ▶ Infra-Red Illumination to 240m/787ft*
- ▶ Long Bulb Life, Average 3000 hrs
- ▶ Range of Beam Patterns
- ▶ Range of Filter Options from 730nm to Covert 950nm
- ▶ Small Robust Construction
- ▶ Low Power Consumption
- ▶ Derwent's Cossec² Even Illumination

* Achievable with dual UF500 lamps

PRODUCT DESCRIPTION

UF500 is Derwent's high power, high performance solution for night-time CCTV illumination.

Specially designed for night-time surveillance where visible lighting is prohibited or too expensive, UF500 combines special gold optics and a high efficiency quartz halogen bulb for unsurpassed Infra-Red illumination to 240m.

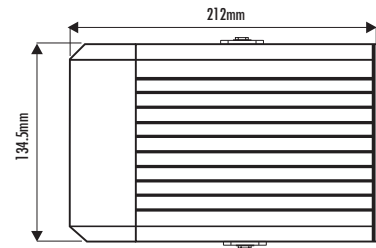
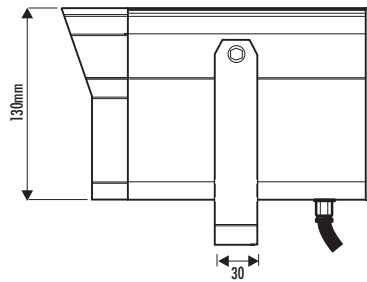
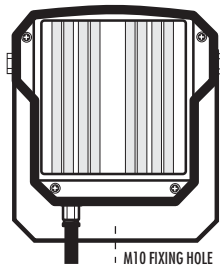
Derwent's unique Cossec² lens ensures UF500 delivers even illumination from foreground to background for the entire scene. With its long bulb life and low power consumption, UF500 provides real savings for the user in terms of running and maintenance costs.

A&E SPECIFICATION

Please contact Derwent for a full A&E specification

APPLICATIONS

- ▶ Where visible lighting is prohibited or expensive
- ▶ Warehouses
- ▶ Factories
- ▶ Perimeter surveillance
- ▶ Offices
- ▶ Airports
- ▶ Residential
- ▶ Commerical properties



Note: All dimensions are in millimetres.

TECHNICAL

SELECTION GUIDE

Order Part No.	Horizontal Beam Angle	Wavelength	Illumination	Achievable Distance	HFOV	VFOV
UF500/Spot/730	Spot	730nm	Semi-Covert	170m/558ft	15m/49ft	15m/49ft
UF500/10/730	10°	730nm	Semi-Covert	140m/459ft	25m/82ft	12m/39ft
UF500/30/730	30°	730nm	Semi-Covert	100m/328ft	54m/177ft	9m/30ft
UF500/Flood/730	Flood	730nm	Semi-Covert	70m/230ft	35m/115ft	35m/115ft

Note: 830nm (semi-covert) and 950nm (covert) versions available. To order, replace 730 with 830 or 950 in the part numbers above. Contact Derwent for full selection guides. Distance achievable depends upon the Infra-Red characteristics of CCD camera and lens.

ILLUMINATOR SPECIFICATION

Radiated Output	Similar to ordinary 500W
Consumption	220W
Average Bulb Life	3000 hrs
Temperature Range	+50°C (122°F) to -50 °C (-58°F)
Construction	Robust, aluminium casting & extrusion
Dimensions	212 x 130 x 134.5mm
Colour	Black as standard. Special order other RAL colours, minimum order applies
Weight	2 Kg
Cable Length	Supplied with 4m (13ft) of connecting lead
Bracket	U-bracket as standard
Replacement Bulb	Order UNIPF

POWER SUPPLY SPECIFICATION – ORDER PSU5SS (SINGLE) OR PSU5ST (TWIN) POWER SUPPLIES SEPARATELY

Input	230V, 50Hz. Protected by a 3.15AT (5SS) 3.15AT (5ST) slow blow fuse.	
Output	Nominal 28.5V. Adjustable by internal taps.	
Photocell	Dawn/Dusk automatic switching. Fully Adjustable.	
Construction	Polycarbonate IP66 rated enclosure.	
Colour	Grey (RAL 7035)	
Dimensions	PSU5SS & PSU5ST – 160 x 250 x 90mm	
Weight	PSU5SS – 3.6Kg	PSU5ST – 4.5Kg

Xtra function PSUs - PSUSXS (Single) and PSU5XT (Twin) available. Contact Derwent for details

CERTIFICATES & COMPLIANCE

Contact Derwent for full details

Dealer/Distributor

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