



UF300

- ▶ Long Life Infra-Red Illuminator
- ▶ Infra-Red to 190m/625ft
- ▶ Long Bulb Life, Average 3500 hrs
- ▶ Range of Beam Patterns
- ▶ Range of Filter Options from 730nm to Covert 950nm
- ▶ Low Power Consumption
- ▶ Derwents Cos² Even Illumination

PRODUCT DESCRIPTION

UF300 is a long life, high power high performance Infra-Red illuminator.

UF300 is specifically designed for night-time surveillance where visible lighting is prohibited or too expensive. Available in a range of beam patterns - from semi to completely covert - the low voltage UF300 does not cause any light pollution at any wavelength.

Featuring a long life quartz halogen bulb with, on average 3500 hrs normal night-time operation, UF300 provides real savings for the user in terms of running and maintenance costs.

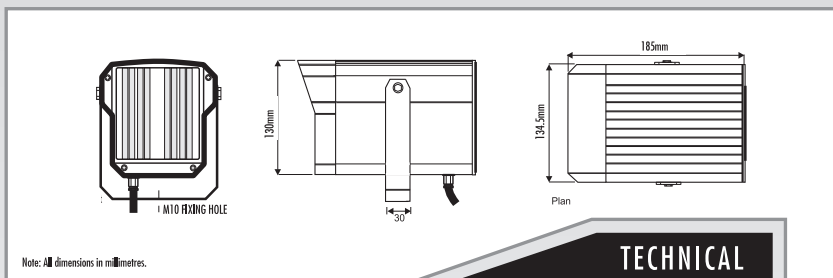
Derwent's unique 10° and 30° lenses ensures the lamp delivers even illumination from foreground to background for the entire scene.

APPLICATIONS

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

A&E SPECIFICATION

Please contact Derwent for a full A&E specification.



TECHNICAL

SELECTION GUIDE

Order Part No.	Beam Angle	Wavelength	Illumination	Achievable Distance	HFOV	VFOV
UF300/Spot/730	Spot	730nm	Semi-Cover	190m/625ft	12m/39ft	12m/39ft
UF300/10/730	10°	730nm	Semi-Cover	160m/525ft	18m/59ft	9m/30ft
UF300/30/730	30°	730nm	Semi-Cover	110m/360ft	38m/125ft	6m/20ft
UF300/Flood/730	Flood	730nm	Semi-Cover	75m/245ft	45m/148ft	22m/72ft

Note: 830nm (semi-cover) and 950nm (cover) 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 300W
Consumption	170W
Average Bulb Life	3500 hrs
Temperature Range	+50°C (122°F) to -50°C (-58°F)
Construction	Robust, aluminium casting & extrusion
Dimensions	185 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 UNILL

POWER SUPPLY SPECIFICATION - ORDER PSU3SS (SINGLE) OR PSU3ST (TWIN) PSU SEPARATELY

Input	230V, 50Hz. Protected by a 1.6AT (3SS) & 1.5AT (3ST) slow blow fuse.
Output	Nominal 27V. Adjustable by internal taps.
Photocell	Down/dusk automatic switching. Fully adjustable.
Construction	Polycarbonate IP66 rated enclosure.
Colour	Grey (RAL 7035)
Dimensions	PSU3SS & PSU3ST - 140 x 230 x 95mm
Weight	PSU3SS - 3.4kg PSU3ST - 4.2kg

Xtra Function PSUs - PSU5XS (Single) and PSU5XT (Twin) available. Contact Derwent for details

CERTIFICATES & COMPLIANCE

Contact Derwent for full details