

The UF500 series of illuminators for CCTV applications is specially designed for covert or semi-covert night time operations using special gold optics and high efficiency quartz halogen bulbs for **unsurpassed night viewing up to 460 feet (140m)** and 60° wide. The unique lens design provides evenly distributed illumination from the foreground to background for the entire scene. The shorter and thicker bulb filaments operate at lower voltages and temperatures and are less vulnerable to shock and vibration. The result is a high-performance illuminator with 40% higher efficiency and 50% longer life than traditional illuminators.



The UF500, patent pending technology by Derwent Extreme, is the favored illuminator in Europe where night-time video monitoring is broadly utilized for proactive policing.

UF500 - Illuminator Specifications

Color	Black (Standard)
Radiated Output	Similar to ordinary 500 Watt
Viewing Range	Up to 460 feet (140m)*
Optics	Optimized focus, gold optics system
Consumption	220W (28VAC)
Bulb life	3,000 hours average
Construction	Robust aluminum casting/extrusion
Weight	Approx. 4.2 lbs. (1.9 kg)

* View range, video signal, signal/noise ratio and field of view will depend on the sensitivity and spectral response of your camera/lens combination.

Benefits

- High output illumination up to 460 feet (140m) (up to 650 feet (200m) using 2 illuminators)
- Range of beam patterns from Spot, 10°, 30°, & 60°
- Range of filters from 730 nm to covert 950 nm
- Low operating cost, uses less power
- Balanced illumination – no foreground overexposure
- Rugged and weatherproof
- Long bulb life – 3,000 hours average; replacement bulbs available
- Low operating voltage at 28 VAC
- Matching power supplies available
- Extends the dynamic range of CCD cameras in low light conditions
- 2-year warranty*

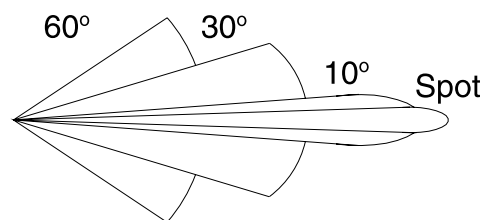
Power Supply Specifications (sold separately)

Models: **UF500PSS, PSD**

Input	110/115/120 VAC 50/60 Hz
Output	28.6 VAC nominal
UF500PSS	Single 220VA, 6.3 amp draw
UF500PSD	Dual 420VA, 12.6 amp draw
Photocell	Dusk/Dawn automatic switching
Auxiliary Output	12V DC @ 650ma regulated
Dimensions	6.3 × 3.6 × 9.9 in (w/h/d) / 160 × 90 × 250 mm
Weight	UF500PSS – 7.5 lbs. (3.4 kg)
	UF500PSD – 9.5 lbs (4.3 kg)

For more detailed information on these power supplies, refer to the UF500 Power Supply specification sheet. Rainbow literature part number 1119.

Beam Spread Pattern of UF500

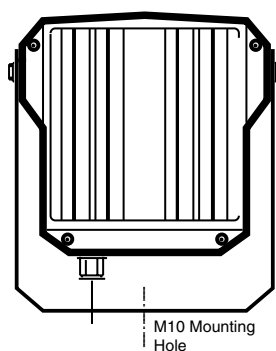


Model Numbers:

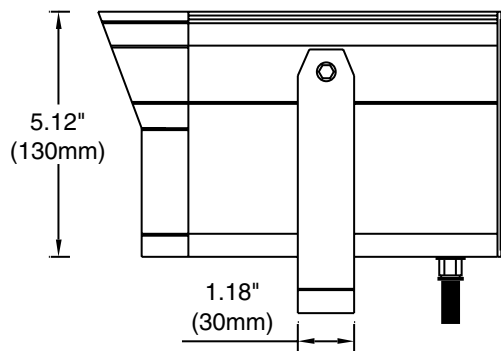
<u>Beam Width</u>	<u>Model</u>	<u>Description</u>	<u>Typical Range</u>
5°	UF500S73	UF500, 5° Spot Beam, 730 nm filter	460 feet
	UF500S83	UF500, 5° Spot Beam, 830 nm filter	322 feet
	UF500S95	UF500, 5° Spot Beam, 950 nm filter	184 feet
10°	UF500173	UF500, 10° Narrow Beam, 730 nm filter	344 feet
	UF500183	UF500, 10° Narrow Beam, 830 nm filter	240 feet
	UF500195	UF500, 10° Narrow Beam, 950 nm filter	138 feet
30°	UF500373	UF500, 30° Medium Beam, 730 nm filter	246 feet
	UF500383	UF500, 30° Medium Beam, 830 nm filter	172 feet
	UF500395	UF500, 30° Medium Beam, 950 nm filter	98 feet
60°	UF500673	UF500, 60° Flood Beam, 730 nm filter	180 feet
	UF500683	UF500, 60° Flood Beam, 830 nm filter	126 feet
	UF500695	UF500, 60° Flood Beam, 950 nm filter	72 feet
—	UF500BULB	Replacement bulb for UF500 Series	

Power Supply Model Numbers: (all w/photocells)

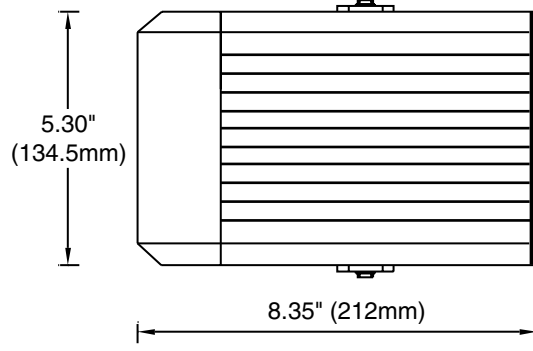
UF500PSS	Single UF500 - 120 VAC 50/60 Hz
UF500PSD	Dual UF500 - 120 VAC 50/60 Hz



FRONT



SIDE



TOP

Rainbow CCTV

INTERNATIONAL SPACE OPTICS, S.A.

Address: 2495 Da Vinci, Irvine, CA 92614 USA

Phone: (800) 654-5367 (949) 260-1599 • Fax: (800) 828-2031 (949) 260-1594

E-mail: rainbow@isorainbow.com • Internet: www.isorainbow.com

©2001 International Space Optics — 1114-P0501

Technology by Derwent Extreme

Non metric weights and measurements are approximate.
Specifications are subject to change without notice.