



INSTALLATION INSTRUCTIONS MFLED

Please read the following instructions carefully to ensure the best possible performance from your Derwent Lamp.

INSTALLATION

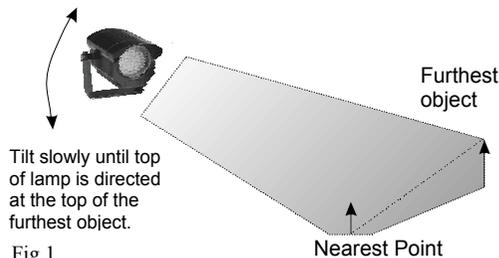
THIS IS NOT A MAINS UNIT!

The lamp unit must be connected to a 12-24V AC or DC power supply (20VA min).

The lamp is provided with 2m of high temperature silicone cable as standard. The unit has an integral photocell, which automatically switches on and off between day and night.

The setting up of the lamp is critical in obtaining the best performance from your Derwent Lamp.

- Attach the MFLED mounting bracket to your pan & tilt unit or wall bracket as desired.
- Adjust for the horizontal target area of lamp. Adjust the vertical alignment by loosening the side bolts (one each side of main body).
- Tilt the lamp downwards until the near part of the required field of view is saturated with Infra-Red (as viewed on the monitor).
- Slowly and gradually tilt the lamp upwards until the far part of the required field of view is also illuminated (on the monitor). See Fig.1 below.



IMPORTANT

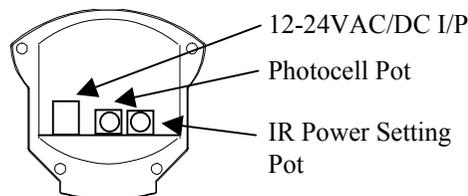
1. The MFLED is not polarity sensitive.
2. Maximum ambient temperature for high power setting is 30°C. The lamp is factory-set on high (Hi) power.

POWER SETTINGS

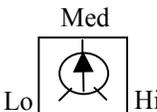
The MFLED has a range of IR power settings to accommodate the demands of varying scenes.

Access to the power settings is via the back of the lamp and adjustment is made with a potentiometer (see Pot settings below).

Undo the single screw above the photocell and the back will hinge down allowing access. Care should be taken not to strain the photocell connecting leads. Ensure no leads are trapped when closing the back.



Power	Max. Ambient
Hi	30°C
Med	40°C
Lo	45°C



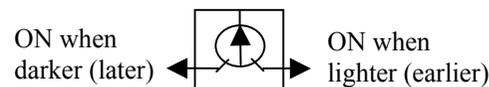
DAY/NIGHT PHOTOCELL

The MFLED has a photocell mounted in the rear casting as standard.

The photocell is designed to monitor the average light conditions. It is important not to point the photocell at a nearby artificial light source as it will affect its performance. Also, it is important to ensure that the photocell is not blanked off.

The photocell is designed to automatically switch the lamps ON at dusk and turn OFF at dawn. A high degree of hysteresis is incorporated to avoid on/off switching in marginal light conditions.

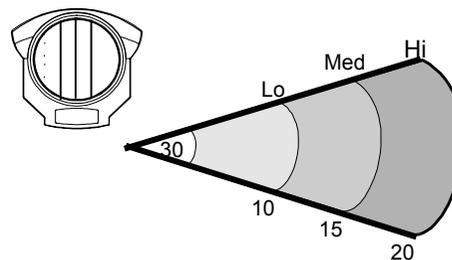
The unit is factory set at approximately 20 lux ON and 65 lux OFF, but can be adjusted using the blue photocell sensitivity pot, which is positioned to the left of the power setting pot. See power settings above for access.



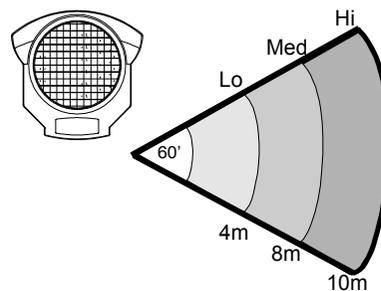
NOTE: The photocell operation has an in-built delay. Allow up to 10 seconds for switching.

LAMP OPTIONS

30° Version (Usable to 45°) - Medium
Suitable for 6mm lenses and longer



60° Version – Wide
Suitable for 2.8mm to 6mm lenses



Distances shown as a guide only. Based on 850nm versions with IR sensitive camera. Please contact Derwent for further advice.

MAINTENANCE

Derwent MFLED lamps are optically precise units.

There are no user repairable components within the unit.

Access is only required to adjust the power settings and photocell switching levels.

CONTACT DETAILS



Derwent House
Nelson Park, Cramlington
Northumberland
NE23 1WB
England

Tel +44 (0)1670 730 187
Fax +44 (0)1670 730 188
www.DerwentCCTV.com

This product complies with;
89/336/EEC, 73/23/EEC
Low Voltage Directive meeting the following
CE Standards
BS EN 60730-1:2001
Electromagnetic Compatibility Directive
meeting the following standards
BS EN 50081-1:1992, BS EN 50130-4:1996