

Ultra Long Life

Uniflood **LED**

Night-time Illumination for CCTV



Ultra long life, high reliability Infra-Red illuminator using solid state, high efficiency LED's. Uniflood LED is designed for night-time CCTV schemes which demand a high level of reliability with minimum maintenance costs

The inherent low power consumption of the solid state LED array results in very low running costs over the life of the system

Developed for indoor and external applications with ranges of up to 50 metres+ with IR extended cameras and lenses or up to 30 metres using mid-range cameras.



IR OFF



IR ON

For achievable illumination distances please refer to the Matrix



Uniflood LED
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Solid State
> 5 years life

Semi-covert (850nm) and
covert (940nm)

Very low power
consumption
Low running costs

Small, robust construction

Rated for indoor and
outdoor applications

Low voltage at camera head

Derwent provide specialised
technical advice and
support for your night-time
illumination CCTV projects
and can arrange on-site
demonstrations of
our products

Applications

Internal

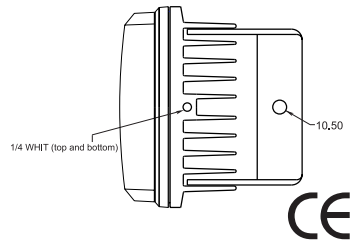
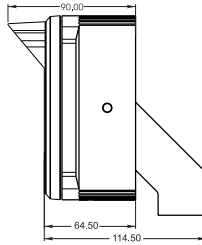
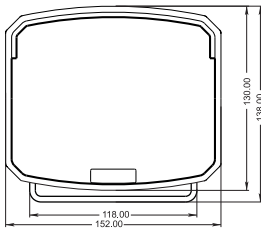
- Warehouses
- Schools
- Hospitals
- Museums & Galleries
- Reception areas
- Corridors

External

- Doorways & Entrances
- Pathways
- Car Parks
- Gardens
- Barrier gates
- Toll booths

Uniflood LED (Technical)

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Uniflood LED is available in three standard formats, both of which are supplied with the dedicated Derwent power supply, ref: PSU LED V2 as standard. The three standard formats are:

Part No.	Wavelength	Beam Angle	Includes power supply ref:
UFLED/20/850	850nm semi-covert	20° (useable up to 30°)	PSU LED V2
UFLED/30/850	850nm semi-covert	30° (useable up to 40°)	PSU LED V2
UFLED/20/940	940nm covert	20° (useable up to 30°)	PSU LED V2

Illuminator Specification

General

LED Array	Current controlled - Supplied with dedicated Derwent power supply unit
Consumption*	50W nominal on full power (external) 40W nominal on low power (internal) * <i>Switchable within Derwent dedicated power supply</i>
Power Supply	Constant current regulation to LED
Temperature Range	25°C ambient Max on full power 40°C ambient Max on low power
Weight	1.44Kg
Colour	Black
Cable length	Supplied with 4 metres of connecting lead

Power Supply Specification

Product ref: PSU LED V2

Mains Supply	230V, 50Hz Protected by 0.8AT slow blow fuse
Output	Constant current Full power external applications with ambient temperature Max. 25°C Low power internal applications with ambient temperature Max. 40°C
Photocell	Dusk/dawn automatic switching
Physical	Polycarbonate IP66 enclosure Dimensions 160mm x 120mm x 90mm Weight 1.6Kg includes variable photocell

Notes on LED Illuminators:

LED's (Light Emitting Diodes) are long life devices when used within their specifications.

The Uniflood LED should be used only with the Derwent dedicated power supply.

LED's are intrinsically low power devices and are designed for short to medium range applications.

For medium and long range applications consider using the Derwent Uniflood 500, Uniflood 300 or SuperLED.

Reliability of LED's is dependant on temperature of operation, maximum ventilation should be allowed.

Ordering information

Specify as separate items:

1. Specify lamp(s) part no: UFLED 30/850 or UFLED 20/940. All lamp types are supplied with dedicated Derwent power supply PSU LED V.2 as standard
2. Specify bracketry requirement

Agent/Distributor

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The performance figures given are typical. In view of the company policy of continuous product development these specifications may be changed without notice.