

Local Area IR illumination - Ultra long life

EX45 LED

Night-time illumination for CCTV



EX45 LED

Hi-impact Vandal Resistant solid state LED Dome. Designed to work in conjunction with Monochrome camera and specifically EX45 (matching vandal resistant with Mono camera)

Local Area IR illumination up to 10 metres coverage

Ultra long life, high reliability infra-red illuminator using solid state high efficiency LED's. The inherent low power consumption of the solid state LED array results in very low running cost over the life-time of the system

Developed for indoor and external applications with ranges up to 10 metres with IR sensitive cameras and lenses



Applications:

- Industrial
- Schools
- Factories
- Residential
- Access Control
- Lifts
- Hospitals
- Prisons
- Offices

EX45 Range of Products: Camera and matching IR illuminator

**Hi Impact
Vandal Resistant
LED Dome**

To match hi-impact
mono camera
for 24 hour coverage

Semi covert 850nm
and covert 940nm

Local area IR
illumination
up to 10 metres

Conduit mounting
options

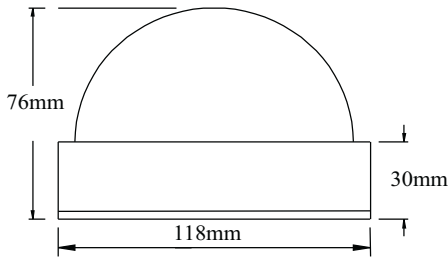
Variable power settings

Rated for indoor
&
outdoor applications

Solid State
for up to
5 years life

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

Ultra long life
EX45LED



Illuminator Specification

General

- LED Type** High Performance 850nm or 940nm
- Number of LEDs** 42
- Consumption** 600 mA(max)
- Power Supply** 12 VDC or 24VAC
- Operational Range** -20°C to 50°C

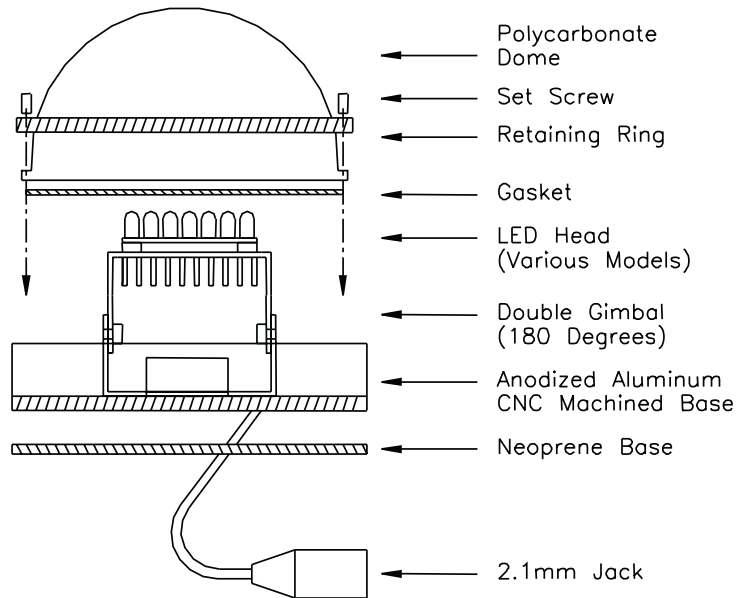
Enclosure

- Dome** Polycarbonate
- Base / Ring** CNC Aluminium Anodized (6061 T6)
- Dimensions** 118mm dia / 83mm H
- Weight** 454g

Note on LED lamp

LED's (light emitting diodes) are long life devices when used within their specifications.

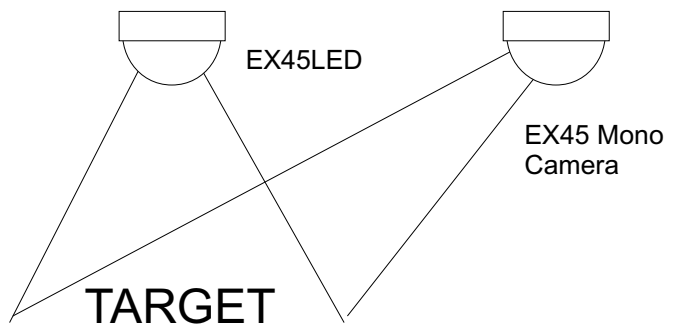
LED's are intrinsically low power devices and LED lamps are designed for short range applications. Reliability of LED's is dependant on temperature of operation and maximum ventilation should be allowed



Beam Patterns



Angle 50° - Wide



Local Area IR illumination

Note:

Range, video signal, signal/noise ratio and field of view will depend on sensitivity and spectral response of camera/lens combination

Contact Derwent for advice on your proposed scheme

Ordering Information

| Part No | Wavelength | Beam Angle |
|---------------|-------------------|------------|
| EX45LED.850MX | 850nm semi-covert | 50° |
| EX45LED.850NX | 850nm covert | 20° |
| EX45LED.940MX | 940nm semi-covert | 50° |
| EX45LED.940NX | 940nm covert | 20° |

X specifies finish colour
A = Aluminium finish B = Black finish

Agent/Distributor

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