



SuperLED

- ▶ Solid State LED Illuminator
- ▶ Long Life > 5 years
- ▶ Illumination to 250m/820ft
- ▶ Range of Beam Patterns
- ▶ Semi Covert at 850nm, Covert at 940nm
- ▶ Robust, Industrial Strength Design & Construction
- ▶ Suitable for Internal & External Use
- ▶ IP66
- ▶ Pressure Equalisation
- ▶ Corrosion Resistant Fittings

PRODUCT DESCRIPTION

A supercharged, high-performance illuminator which uses high efficiency LEDs to maximise Infra-Red output, using only the minimum of power.

SuperLED requires only 120W to deliver evenly distributed Infra-Red light to distances of 250m/820ft, meaning it can outperform all other LED illuminators available on the market today.

With its low power consumption and a LED life well in excess of 5 years, SuperLED delivers real savings for the user in terms of maintenance and running costs.

SuperLED holds a certified IP66 rating with vacuum sealed iso-pressure control and corrosion proof fittings for use in the harshest of environments.

A&E SPECIFICATION

Please contact Derwent for a full A&E specification.

APPLICATIONS

EXTERNAL

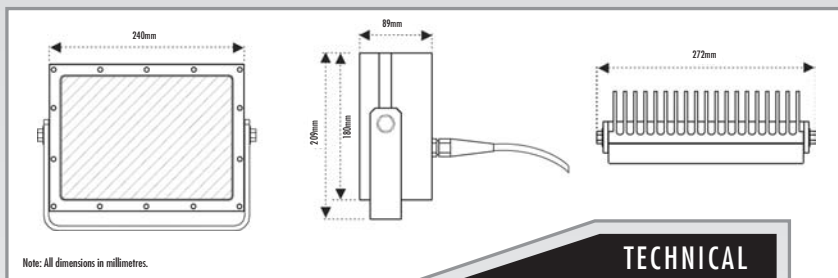
- ▶ Wide open spaces
- ▶ City centres, parks & public areas
- ▶ Perimeter protection
- ▶ Airports
- ▶ Car parks
- ▶ Military
- ▶ Ports



INTERNAL

- ▶ Warehouses
- ▶ Factories
- ▶ Offices
- ▶ Sports halls & arenas





SELECTION GUIDE

| Order Part No. | Beam Angle | Wavelength | Illumination | Achievable Distance | HFOV |
|-----------------|------------|------------|--------------|---------------------|-----------|
| SuperLED 10/850 | 10° | 850nm | Semi-covert | 250m/820ft | 44m/144ft |
| SuperLED 20/850 | 20° | 850nm | Semi-covert | 175m/575ft | 62m/203ft |
| SuperLED 30/850 | 30° | 850nm | Semi-covert | 115m/380ft | 62m/203ft |
| SuperLED 60/850 | 60° | 850nm | Semi-covert | 75m/245ft | 62m/203ft |
| SuperLED 20/940 | 20° | 940nm | Covert | 60m/195ft | 39m/128ft |

Note: Distance achievable will depend upon the Infra-Red characteristics of CCD camera and lens.

ILLUMINATOR SPECIFICATION

| | |
|-------------------|---|
| LED Array | Current controlled by a dedicated Derwent PSU |
| No. of LEDs | 560 |
| Consumption | 120W nominal on full power (external applications) 80W nominal on low power (internal applications) |
| Average Life | > 5 years |
| Temperature Range | + 50°C (122°F) to -50°C (-58°F) max on full power |
| Construction | Robust, aluminium extrusion with acrylic front window |
| Pressure | Pressure regulation by vent gland |
| Dimensions | 272 x 209 x 89mm |
| Colour | Black anodized heat sink with black front fascia |
| Weight | 4.2 kg |
| Cable Length | Supplied with 4m (13ft) of connecting lead |
| Bracket | Wall mount bracket included |
| IP Rating | IP66 |

POWER SUPPLY SPECIFICATION - PSU-SUPERLED INCLUDED

| | |
|--------------|-------------------------------------|
| Input | 80 – 260Vac (switch mode PSU) |
| Output | 17V @ 5.6 A |
| Photocell | Automatic ON/OFF photocell included |
| Construction | Cast aluminium |
| Colour | Grey (RAL 7035) |
| Dimensions | 280 x 180 x 100mm |
| Weight | 3.8kg |
| IP Rating | IP66 |

CERTIFICATES & COMPLIANCE

Contact Derwent for full details