

High Power - Long Life

## Super LED

Night-time Illumination for CCTV



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

SuperLED reliably achieves illumination distances not yet seen in the LED market and is manufactured by Derwent, World leaders in the field of Infra-Red technology.

Developed for external applications with ranges up to 175 metres with IR extended cameras and lenses, or up to 100 metres using mid-range cameras.

For achievable illumination distances please refer to the Matrix



**SuperLED**  
High Power Long Life

Solid State  
> 5 years life

Semi-covert 850nm  
and covert 940nm

Achievable distances  
up to 175m

Robust construction

Outdoor & indoor  
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:**

*External*

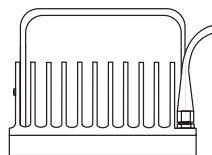
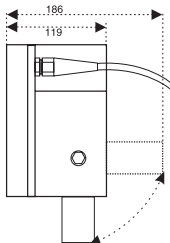
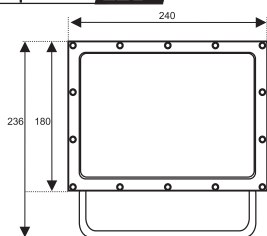
Long range, wide area  
City Centre  
Perimeter  
Car Park  
Barrier gate  
Toll booth  
Airports  
Military

*Internal*

Warehouse  
Factory  
Large Office Complex  
Sports Hall/Arena  
Leisure Centre

# SuperLED (Technical)

Super **LED** High Power - Long Life



SuperLED is available in three standard formats, both of which are supplied with a dedicated power supply as standard. The three standard formats are:

Part No	Wavelength	Beam Angle	
SuperLED 20/850	850nm semi-covert	20° (useable up to 30°)	<i>Other beam angles are available on request</i>
SuperLED 30/850	850nm semi-covert	30° (useable up to 45°)	
SuperLED 20/940	940nm covert	20° (useable up to 30°)	

## Illuminator Specification

### General

LED Array	Current controlled - Supplied with a dedicated Derwent power supply unit
Consumption*	140W nominal on full power (external) 80W nominal on low power (internal)
Power Supply	Constant current regulation to LED
Temperature Range	45°C ambient Max. on full power
Construction	Robust aluminium casting/extrusion
Weight	5.85Kg
Colour	Black
Cable Length	Supplied with 4 metre connecting lead
No. of LEDs	560

## Power Supply Specification

Please contact Derwent for information about the dedicated power supply unit, IP66 rated with dusk/dawn automatic switching

## Note On LED Illuminators

LED's (Light Emitting Diodes) are long life devices when used within their specifications. The SuperLED should be used only with the Derwent dedicated power supply.

The SuperLED is designed for medium to long range applications where long life is required

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

## Ordering information

Specify as separate items:

1. Specify lamp(s) part no: SuperLED 20/850, SuperLED 20/940 or SuperLED 30/850. All lamp types are supplied with dedicated power supply as standard

## Agent/Distributor

Europe:  
Derwent Systems Limited  
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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.