



Spot Light Datasheet



Description

Epi-Light's Spot Light is one of the brightest and most compact LED illuminators on the market today. Spot Light ideal for applications that require precise control of emitted light and where excessive heat generation must be avoided. Key applications included curing of epoxies, adhesives and inks, bioimaging for gene, protein and cell analysis, and machine vision applications. Our standard illuminator is contained in a very compact housing (28 mm diameter) and comes with an optical mount and compact power supply. The power supply enables the LED intensity to be varied from 0 to 100% and it can also be pulsed. Fibre coupling is also available and all necessary fibre coupling components are supplied by Epi-Light.

- Generates no heat (cool light source)
- Compact design (2.8x6cm standard)
- Switches on/off instantly – zero warm up time
- Electronic control – does not require mechanical shutters
- Non toxic – no mercury or lead
- High reliability and long lifetime.

Specifications

Wavelength	Ultra Violet, Violet, Blue, Cyan, Green, Yellow, Amber, Red, Infrared
Bandwidth	20nm
Voltage	4VDC
Current (Continuous)	500mA
Current (Pulsed)	1000mA ($\leq 10\text{ms}$ $\leq 10\%$ duty-cycle)
External housing	Anodised aluminium
Thermal management	Integrated heatsink
Mounting (Separate mount included)	1 x M6 screw
Power supply (Included)	100-240VAC universal input 0-100% variable constant current out