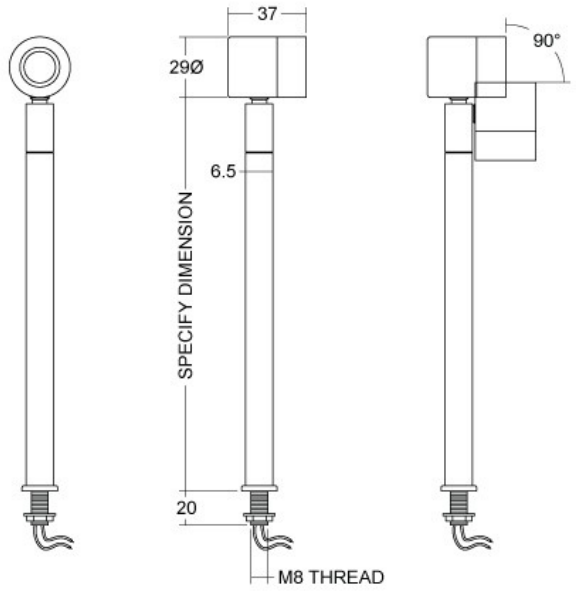
LD82

IP40



General Information
Punchy surface mounted miniature LED spotlight

The LD82 is a high power, miniature LED spotlight with a drive current of up to 700mA (2.4W). It utilizes the latest LED technology with a typical CRI of 93 in warm white, making it ideal for showcase and display in retail environments where high CRI is required. The spotlight is mounted on a matching knuckle joint allowing easy adjustment and focusing. A stem is custom made to suit the dimensions required for the application.
It's performance is the same as the LD51. The differences are the fixing method, the knuckle detail, cowl detail and the IP rating.

Output Options:
1.2W LED at 350mA
1.7W LED at 500mA
2.4W LED at 700mA

Lamp Options:
Warm white (3000K)
Cool White (5000K)
Blue
Green
Red
Amber

Lens Options
12˚ narrow spot
31˚ medium
48˚ wide
36˚ x 12˚ oval beam

Accessories
Specify height of stem

Finishes
Silver or Black Anodised
Powder coated Matt Black or Matt White (RAL 9016)

Driver Options
Use with 350mA, 500mA or 700mA constant current LED Drivers. 1-10V, DMX, DALI and Mains dimmable, or non-dim

Notes
Wire in series and observe correct polarity
Do not wire 'live'

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Beam Angles	12°, 31°, 48°, 36° x 12°					
LED type	1 x Cree XPG					
Colour temperature	3000K			5000K		
Drive Current (mA)	350	500	700	350	500	700
LED power* (W)	1.2W	1.7W	2.4W	1.2W	1.7W	2.4W
CRI (typical)	93	93	93	80	80	80
Forward voltage (V)	3.0V	3.2V	3.4V	3.0V	3.2V	3.4V
Delivered lumens (L_{100})	68	93	114	110	153	190
Lumens per circuit watt**	57	55	48	91	90	79

LED lifetime (to 70% lumen maintenance)	50,000hrs at a max ambient temperature of 35°C (if specifying fitting in ambient temperatures of up to 45°C run at 500mA max, LD82-500)
Materials	Anodised aluminium body
Wiring	Comes pre-wired with 2 core 100mm lead, can be specified with up to 10m at extra cost
IP rating	IP40 standard

*LED watts allows for 85% efficient driver

**data shown allows for an ambient temperature of 35°C and LED thermal losses

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