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LightGraphix
Creative Lighting Solutions

LD56

Low Glare Interior/Exterior In Ground LED Uplighter

The LD56 packs a lot of features into a very compact product. It is an incredibly versatile LED uplighter which has been used in projects all over the world in a multitude of applications. The LED is set back for reduced glare, whilst the optics offer fantastic beam shape and spread. This is a very tough, high quality fitting, machined from high grade materials.

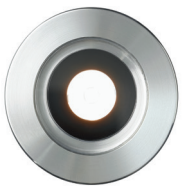
Key Features

- Excellent diffused beam shape from a range of optics
- Low glare with the LED and lens assembly recessed within a black anodised body
- Optional glare shield accessory
- Typical 93 CRI in 3000K warm white
- No visible fixings. Options include spring fixing clips, O-rings and a first fix sleeve and a ground tube
- Can be used as an uplighter or downlighter
- Integral anti wicking barrier increases protection against moisture ingress due to incorrect IP rated cable connections
- Range of bezel finishes available
- Variable output options
- Not designed for permanent submersion, please use our LD242A, LD41, and LD60
- Available with Switch, 0-10V, DMX, Dali or Mains dimmable drivers

Specification

Applications						
Beam Angles	12°, 31°, 48°, 36° x 12°					
LED type	1 x Cree XPG2					
Colour temperature	2700K** / 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 $(V)_{100}$	3.0V	3.2V	3.4V	3.0V	3.2V	3.4V
Delivered lumens** (L_{100})	90	123	164	109	149	200
Lumens per circuit watt	75	72	68	91	88	83
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, LD56-500)					
Materials	Black anodised aluminium body, Machine finish 316 stainless steel bezel (other options available)					
Glass	5mm thick borosilicate					
Wiring	Comes pre-wired with 2 core 100mm lead, can be specified with up to 10m at extra cost					
IP rating	IP68 - Not for permanent submersion (for permanent submersion applications use LD242A)					

*LED wattage includes losses associated with using an 85% efficient driver
** 2700K lumen output is 12% lower than the 3000K figure listed
4000K lumen output is 14% higher than the 3000K figure listed (80 CRI)



Data sheet issued: 22 May 2019

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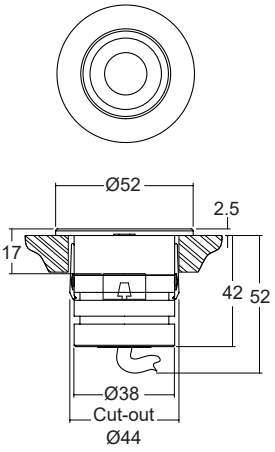
Dimensions and Fixing Options

/SC - Spring clip fixing

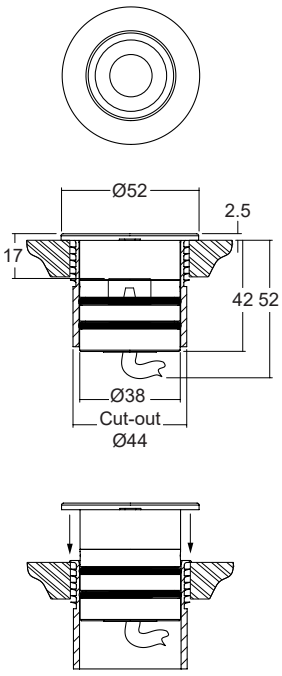
Useful for plinth or downlight applications



(Dimensions in mm)

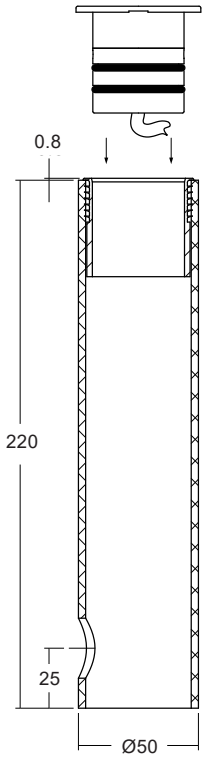
/476 - O-rings and sleeve

A more robust and water tight method of fixing, for in ground applications



/476GT - Ground tube

The in-ground tube has been designed for applications where a recessed uplighter is required in soil or gravel surfaces. The tube can be buried with the necessary wiring, and then the fitting installed after the landscaping work has been completed. It is supplied with the fixing sleeve bonded into the tube, and can be cut down on site.



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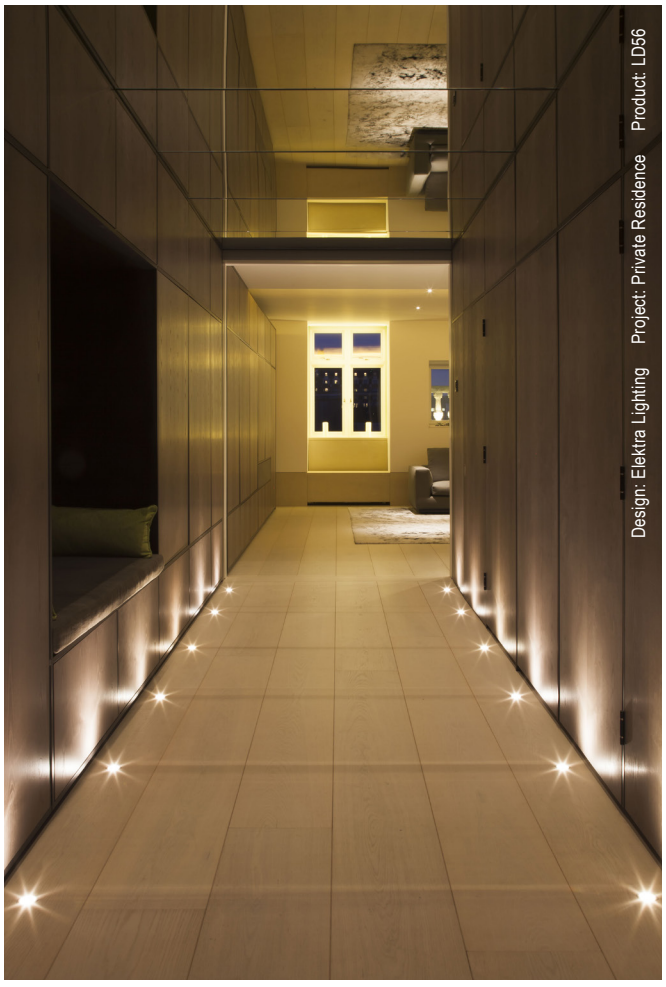
Accessories

/GS56 - Glare shield (not available with oval beam lens)

An optional glare shield is now available to further reduce glare from the LED and optic. This is useful in narrow details where people are going to be directly over the fitting. This does not reduce the light on the lit surface (wall) but will cut out some light onto the ceiling.



Photometrics

Photometric files are included in the design pack which can be downloaded from the LD56 product page on the website.

Order Codes and Options

Product code	LED colour	Lens angle	Finish	Accessory	Fixing
LD56 - 350 - 500 - 700					

Example: LD56-700 / LW30 / MB / Stainless steel / GS56 / 476

Product codes with output options

1.2W LED at 350mA	**LD56-350**
1.7W LED at 500mA	**LD56-500**
2.4W LED at 700mA	**LD56-700**

LED colour options

	Suffix
Super Warm White (2200K)	/LW22
Extra Warm White (2700K)	/LW27
Warm White (3000K)	/LW30
White (4000K) - on request	/LW40
Cool White (5000K)	/LW50
Blue	/LB
Green	/LG
Red	/LR
Amber	/LA

*Other LED colour temperatures are available. Please speak to a member of our sales team.

Beam / lens angle options

12° narrow spot	/NB
31° medium	/MB
48° wide	/WB
36° x 12° oval (not available with glare shield)	/OB

Bezel finish options

Stainless steel 316
Polished and passivated stainless steel (for marine environments)
Flamed solid bronze (antique finish)
Paint finish white / black / RAL (not suitable for high traffic areas)
*See our finishes guide for other options

Accessories

Glare shield	/GS56

Fixing options

Spring clips	/SC
First fix sleeve and O-rings	/476
Ground tube	/476GT

Use with 350mA, 500mA or 700mA constant current LED drivers

We have a wide range of dimmable LED drivers, 0-10V, DMX, DALI and Mains dimmable. Please see the downloads section on our website:
To run 1-14 LD56-350 in series use a TXDEL350D (0-10V dimmable)
To run 1-14 LD56-500 in series use a TXDEL500D (0-10V dimmable)
To run 1-13 LD56-700 in series use a TXDEL700D (0-10V dimmable)