

LD43DR

DEEP RECESSED MINIATURE INTERIOR/EXTERIOR LED UPLIGHT



The LD43DR is a miniature, ultra-deep recessed, LED in-ground uplight which can also be used as a downlight. The LED and optics are deep recessed 33mm into the body for super low glare, which can be further reduced with an optional glare shield. Due to the miniature aperture of the LD43DR, it is available in a narrow 12° beam only, offering defined edges, ideal for lighting doorways or narrow corridors. Featuring a high-quality machined bezel, a wide range of metal and paint finishes are available.

KEY FEATURES

- > High-power C1 engine with NICHIA LED delivering up to 137lm
- > Miniature fitting with LED and optics deep recessed 33mm for reduced glare
- > Available with a narrow 12° beam only due to the size of the aperture
- > Can be used as an uplight or downlight
- > Wide range of high-quality machined metal and painted bezel finishes available, including: 316 Stainless Steel, Polished & Passivated 316 Stainless Steel, Brass, Flamed Solid Bronze, White (RAL 9016), Black (RAL 9005), Classic Bronze (YM262E), Gunmetal Grey (RAL 7021) and other RAL colours available
- > Optional glare shield accessory for further reduced glare
- > Hidden fixing options include spring clips or /480 first fix sleeve with O-rings
- > Integral anti-wicking barrier increases protection against moisture ingress due to incorrect IP rated cable connections
- > Switched, 0-10V, Casambi, DMX, DALI or Mains dimmable drivers available

DIMENSIONS

Dimensions in mm

For fixing dimensions please go to page 4.



WHITE LED ENGINE SPECIFICATION

Engine	 C1		
Beam angles	12°		
LED manufacturer	NICHIA		
Colour temperature	2200K / 2700K / 3000K / 4000K / 5000K		
Current	350mA	500mA	700mA
LED power (Max)**	1.2W	1.7W	2.4W
Delivered lumens (L ₁₀₀)*	63	82	137
Lumens per circuit watt	53	48	57
Forward voltage (V ₁₀₀)	3V	3.2V	3.4V
CRI (Typ)	93		
Colour consistency	2 SCDM		
Peak intensity	9788 cd		
LED Lumens	206		
LOR	0.67		
TM30	RF93	RG99	
UGR***	14.9		
LED lifetime	L90B5 at 90,000hrs		
Applications			

This data is based on LD43DR-C1-700-LW30-NB

*Lumen output data applies to all colour temperatures

**Indicates the nominal power for the LED run at that particular current and includes losses associated with using an 85% efficient driver

*** UGR values based on room parameters of 4H 8H, C70 W50 F20

MECHANICAL

Ambient temperature	-20° to 45° (350mA-500mA) or -20° to 35° (700mA)
Glass	3.3mm thick borosilicate
Materials	Anodised aluminium body, 316 stainless steel bezel
Weight of product	0.015kg
IP rating	IP66
Wiring	In-series constant current wiring (pre-wired with 2 x single core cable at a length of 150mm)

AVAILABLE FINISHES

Please refer to our finishes guide for full details



316 STAINLESS STEEL

- > Marine grade 316 Steel
- > Standard machined finish
- > Extremely durable
- > Passivation recommended for marine environments to prevent corrosion and build up of brown stains caused by oxidation
- > Interior & exterior use



POLISHED & PASSIVATED 316 STAINLESS STEEL

- > Marine Grade 316 Steel
- > Mirror like finish
- > Extremely durable
- > Passivated to extensively prolong resistance to corrosion and brown stains caused by oxidation in marine environments
- > Interior & exterior use



MACHINED BRASS

- > Solid CZ121 Brass
- > Standard machined finish
- > Corrosion resistance rated fair to excellent
- > Please note a natural green/brown patination layer will form after long term exposure to the elements, the extent of this discolouration will be dependant on its location.
- > Interior & exterior use



FLAMED SOLID BRONZE

- > Solid Bronze
- > Hand finished Flamed Bronze unique to LightGraphix
- > Extremely durable with very high corrosion resistance
- > Please note a natural dark patination layer will form after long term exposure to the elements, the extent of this discolouration will be dependant on its location.
- > Interior & exterior use



PAINT FINISH - POWDER

- > White (RAL 9016), Black (RAL 9005), Classic Bronze (YM262E), Gunmetal Grey (RAL 7021) and other RAL colours available
- > Smooth matt texture unless stated otherwise
- > Not recommended for footlights in high traffic areas
- > Interior & exterior use

DIMENSIONS AND FIXING ACCESSORIES

Dimensions in mm

/SC Spring clip fixing

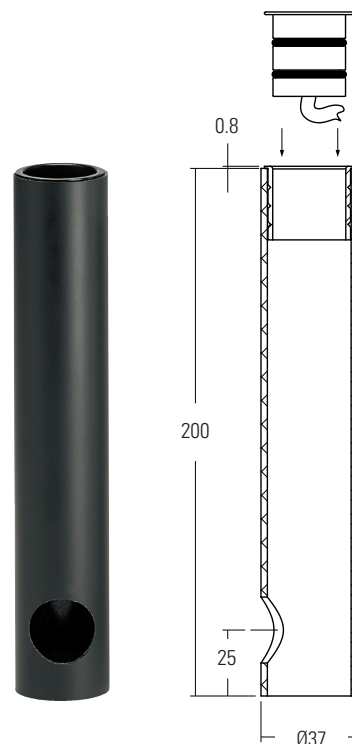
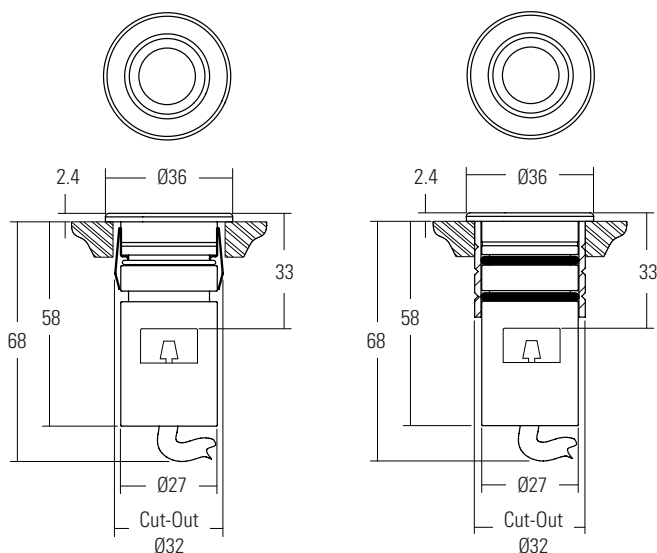
Useful for plinth or downlight applications

/480 O-rings and sleeve

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

/480GT Ground tube

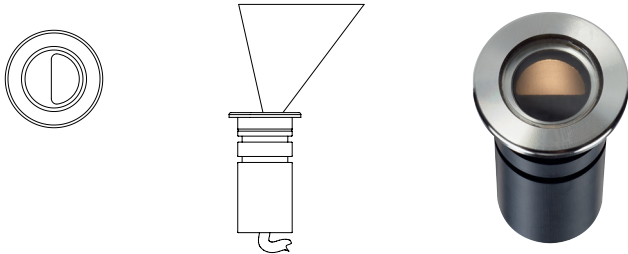
The in-ground tube has been designed for applications where a recessed uplighter is required in soil or gravel terrain. The tube can be buried with the necessary wiring, and then the fitting installed after the landscaping work has been completed. It is supplied with the fixing sleeve bonded into the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



GLARE CONTROL OPTIONS

/GS Glare shield

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



Design: DPA Lighting Project: The Langley Hotel, Buckinghamshire, UK. Product: LD43DR

ORDER CODES & OPTIONS

Example: LD43DR-C1-700 / LW30 / NB / 316 Stainless steel / GS / 480

Light Engine & Drive Current	LED Colour	Beam Angle	Finish	Fixing & Accessories
LD43DR -	/	/	/	/

WHITE LED ENGINES

C1				12° Narrow spot /NB					
1.2W LED at 350mA	LD43DR-C1-350	Super Warm White (2200K)	/LW22						
1.7W LED at 500mA	LD43DR-C1-500	Extra Warm White (2700K)	/LW27						/GS
2.4W LED at 700mA	LD43DR-C1-700	Warm White (3000K)	/LW30						/SC
		White (4000K) - on request	/LW40						/480
		Cool White (5000K)	/LW50						/480T
		Red	/LR						
		Green	/LG						
		Blue	/LB						
		Amber	/LA						

Drivers

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

We have a range of dimmable LED drivers DMX and DALI compatible. Please see the downloads section on our website.