

LD43

LOW GLARE MINIATURE RECESSED INTERIOR/EXTERIOR LED UPLIGHT



The LD43 fitting is a miniature recessed uplight with a very minimal depth and small cable, ideal for interior applications, including bathrooms. Featuring a flush glass and walkover bezel for in-ground use, the LED and optics are recessed 10mm into the body for low glare. Various glare shield and Tilt lens options are also available for glare reduction and to create lit effects to suit individual applications. This includes aperture reductions of 45% or 70%, with or without an integral 20° Tilt lens, which focuses the light onto the lit surface for a concentrated lit effect. For a miniature fitting, LD43 produces an excellent throw of light when more output is required. If used with our LD42 wall light, a uniform floor and wall washing effect can be achieved.

Please note: For exterior in-ground applications please use the LD41, LD44, LD60, LD43DR, LD56 or LD56T. These have an integral anti-wicking barrier and thicker cable which is more

KEY FEATURES

- > High-power C1 engine with NICHIA LED delivering up to 134lm
- > Miniature fitting with very minimal body depth and bezel diameter
- > Uplight version of our LD42 wall light with a flush glass in-ground walk over bezel
- > Available with a 45% or 70% glare shield accessory
- > Optional 20° Tilt lens angles the light onto the lit surface for a more concentrated effect
- > Wide range of high-quality machined metal and painted bezel finishes available, including: 316 Stainless Steel, Polished & Passivated 316 Stainless Steel, Machined Brass, Flamed Solid Bronze, White (RAL 9016), Black (RAL 9005), Classic Bronze (YM262E), Gunmetal Grey (RAL 7021) and any RAL
- > High efficiency optics produce excellent beam spread and shape
- > LED recessed 10mm within the body for reduced glare
- > Hidden fixing options include spring clips or /480 first fix sleeve with O-rings
- > Switched, 0-10V, Casambi, DMX, DALI or Mains dimmable drivers available



DIMENSIONS

Dimensions in mm

For fixing and accessory dimensions please go to page 3.



WHITE LED ENGINE SPECIFICATION

Engine	 C1	
Beam angles	12°, 31°, 48°, 12° x 36°	
LED manufacturer	NICHIA	
Colour temperature	2200K / 2700K / 3000K / 4000K / 5000K	
Current	350mA	500mA
LED power (Max)**	1.2W	1.7W
Delivered lumens (L ₁₀₀)*	103	134
Lumens per circuit watt	86	79
Forward voltage (V ₁₀₀)	3V	3.2V
CRI (Typ)	93	93
Colour consistency	2 SCDM	
Peak intensity	1057 cd	
LED Lumens	157lm	
LOR	0.84	
TM30	RF93	RG100
UGR***	18.3	
LED lifetime	L90B5 at 90,000hrs	
Applications		

This data is based on LD43-C1-500-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) or -20° to 35° (500mA)
Glass	3.3mm thick borosilicate glass with black ceramic screen print
Materials	Hard anodised aluminium body with machined 316 stainless steel bezel
IP rating	IP66
Wiring	In-series constant current wiring (pre-wired with 2 x single core cable at a length of 150mm*)

*Extendable cables available up to 2M. For longer cables see the LD44X

ENVIRONMENTAL

TM65	Available on request
TM66	2.7

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 COAT

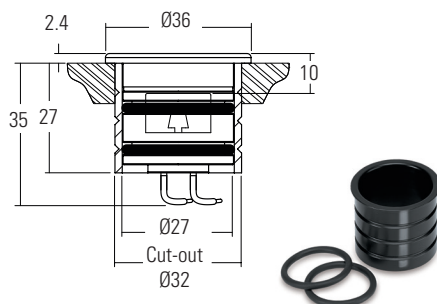
- > White (RAL 9016), Black (RAL 9005), Classic Bronze (YM262E), Gunmetal Grey (RAL 7021) Textured Mars Bronze (SX350F), Textured Fir Green (RAL 6009), and other RAL colours available
- > Smooth matt texture unless stated otherwise
- > Not recommended for footlights in high traffic areas
- > Interior & exterior use

DIMENSIONS AND FIXING ACCESSORIES

Dimensions in mm

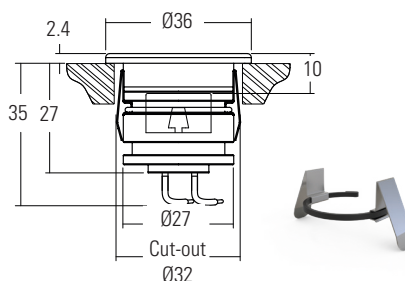
/480 O-rings and sleeve

Robust, watertight method of fixing for in-ground applications.



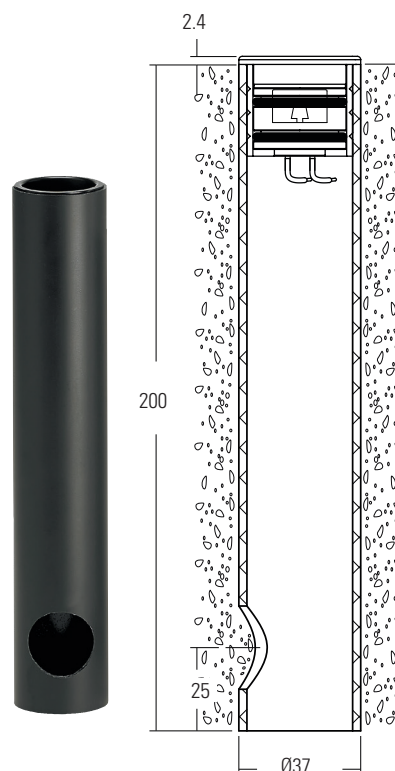
/SC Spring clip fixing

Provide a simple single-fix mounting method.



/480GT Ground tube

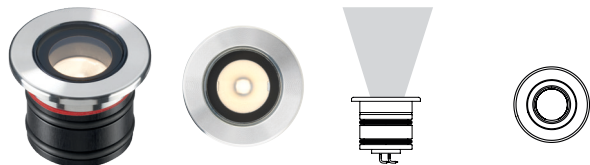
The in-ground tube has been designed for applications where a recessed uplighter is required in soil or gravel terrain. The tube can be buried with the necessary wiring, and then the fitting installed after the landscaping work has been completed. It is supplied with the fixing sleeve bonded into the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



GLARE CONTROL AND LIGHT OUTPUT OPTIONS

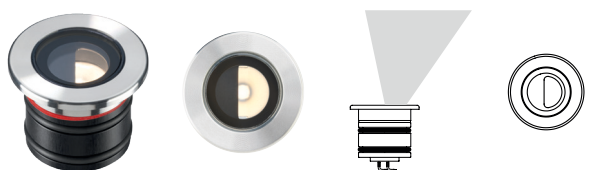
LD43

Circular aperture with lens and LED assembly recessed into the body by 10mm.



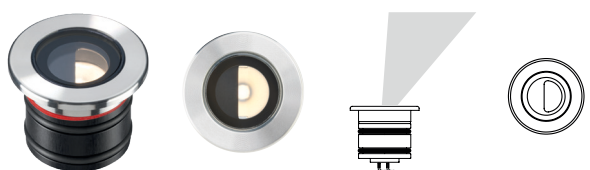
LD43 with GS44-45

Addition of a half-moon glare shield in front of the lens to further reduce glare. Please note that the Oval beam cannot be used with GS44-45.



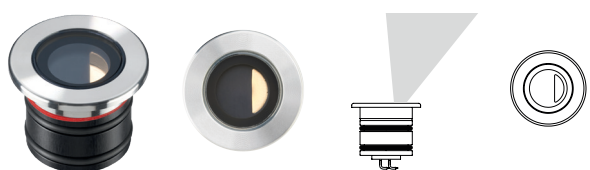
LD43 with Tilt lens and GS44-45

Features a half-moon glare shield, but with the addition of an integral 20° Tilt lens which angles the light towards the lit surface. Please note that the Oval beam cannot be used with Tilt lens and GS44-45.



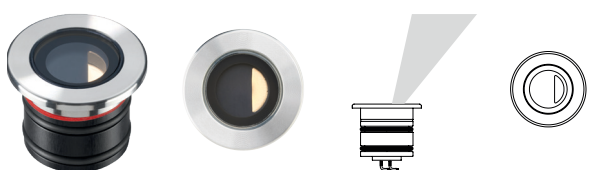
LD43 with GS44-70

Features a 70% glare shield for applications that require minimal output and glare. Please note that the Oval beam cannot be used with the GS44-70.



LD43 with Tilt lens and GS44-70

Features the GS44-70% glare shield, but with the addition of an integral 20° Tilt lens which angles the light towards the lit surface. Please note this option is only available in a Narrow beam.



ORDER CODES & OPTIONS - LD43

Example: LD43 - C1-500 / LW30 / OB / L / NGS / 316 STAINLESS STEEL / SC

Light engine & drive current	LED colour	Beam angle	Optical option	Glare shield	Finish	Fixing

C1

1.2W LED at 350mA	LD43-C1-350	Super Warm White (2200K)	/LW22	12° Narrow	/NB	20° Tilt	A	NGS	316 Stainless Steel	/480
1.7W LED at 500mA	LD43-C1-500	Extra Warm White (2700K)	/LW27	31° Medium	/MB	No tilt	L	GS44-45 (not applicable with Oval beam)	Polished & Passivated 316 Stainless Steel (for marine environments)	/SC
		Warm White (3000K)	/LW30	48° Wide	/WB			GS44-70 (Not applicable with Oval beam. When using Tilt lens, only Narrow beam can be specified)	Machined Brass	/480GT
		White (4000K) - on request	/LW40	12° x 36° Oval	/OB				Flamed Solid Bronze	
		Cool White (5000K)	/LW50						POWDER COAT White (RAL 9016)	
		Red	/LR						POWDER COAT Black (RAL 9005)	
		Green	/LG						POWDER COAT Classic Bronze (YM262E)	
		Blue	/LB						POWDER COAT Gunmetal Grey (RAL 7021)	
		Amber	/LA						POWDER COAT Textured Fir Green (RAL 6009)	
									POWDER COAT Textured Mars Bronze (SX350F)	
									POWDER COAT RAL	

Drivers

Use with 350mA and 500mA constant current LED drivers
We have a range of dimmable LED drivers including DMX and DALI compatible. Please see the downloads section on our website.