

LD60

MINIATURE LED UPLIGHT AND WALL LIGHT



5 YEAR
Warranty

RLE | **R + R** | **MOISTURE GUARD**



With a slightly larger bezel than the LD41, the LD60 completely covers the first fix sleeve. This is a robust, versatile fitting with a 5mm thick glass and no visible fixings, available in a choice of colour temperatures. It can be run up to 1.7W, and comes with a range of beam angles making it suitable for a wide range of applications.

KEY FEATURES

- > Larger bezel to hide damage that might caused to the delicate surrounding surfaces when drilling hole cut-out
- > Can be specified with frosted glass for indicator applications, a wide beam works best for this effect
- > Machined from a solid billet of stainless steel 316
- > No visible fixings. Fixing options include O-rings and a first fix sleeve or bonding directly into the mounting surface
- >  Contains our integral moisture guard (anti-wicking barrier), stopping water ingress from going up the cable into the product from incorrect IP-rated connections
- > Not designed for permanent submersion, please use our LD242A
- > Available with Switch, 0-10V, DMX, Dali or Mains dimmable drivers

DIMENSIONS

For fixings and dimensions please go to page 3.



WHITE LED ENGINE SPECIFICATION

Engine	 C1	
Beam angles	12°, 31°, 55°, 12° x 36°	
LED manufacturer	NICHIA	
Colour temperature	2200K, 2700K, 3000K, 4000K, 5000K	
Current	350mA [1.2W]	500mA [1.7W]
Typical LED Circuit wattage	1.1W	1.6W
Delivered lumens (L ₁₀₀) *	108	141
Delivered lm/Circuit W**	99	88
Typical LED Source wattage	1W	1.5W
Source LED lm	133	187
Source lm/W	136	129
Forward voltage (V ₁₀₀)	2.8V	2.9V
CRI	93	
Colour consistency	2 SCDM	
Peak intensity	869	
LOR	0.75	
TM30	RF93 RG99	
UGR rating ('downlight' mounted)	13.8	14.7
BUG rating (Sideways mounted)	B0-U2-G1	
BUG rating ('uplight' mounted)	B0-U3-G0	
LED lifetime	L90B5 at 90,000hrs	
Applications	     	

This data is based on LD60-C1-500/927/NB

**LED wattage includes losses associated with using a 90% efficient driver

**Lumen output data applies to all colour temperatures.

MECHANICAL

	350mA	500mA
Ambient temperature  55°C	-20°C to 55°C	-20°C to 55°C
Glass	5mm thick borosilicate	
Materials	Machine finish 316 stainless steel	
IP rating	IP68 - Not for permanent submersion (for permanent submersion applications use LD242A)	
Wiring	Comes pre-wired with 2 core 100mm lead, can be specified with up to 10m at extra cost	

ENVIRONMENTAL

TM65	Available on request	
TM66	2.7	
Repair + Refurbish	 This product is included in our Repair and Refurbish scheme. This offers customers the ability to send back products to us for repair or refurbishment to extend their life without having to buy new fittings.	
RLE (REPLACEABLE LIGHT ENGINE)	  Visit page 4 for replacement parts	

AVAILABLE FINISHES

Please refer to our finishes guide for full details



316 STAINLESS STEEL

- > Marine grade 316 Steel
- > Standard machined finish
- > Extremely durable with very high corrosion resistance
- > 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 with very high corrosion resistance
- > Passivated to extensively prolong resistance to corrosion and brown stains caused by oxidation in marine environments
- > 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 - WET SPRAY

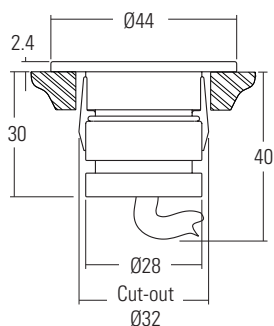
- > White (RAL 9016), Black (RAL 9005), Antique Bronze, Satin Antique Brass, Satin Brass, Anthracite Grey (7016) or any RAL colour available
- > Not recommended for footlights in high traffic areas
- > Interior & exterior use

DIMENSIONS & FIXING OPTIONS

Dimensions in mm

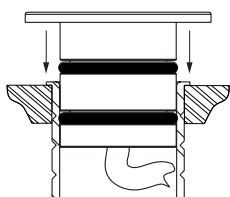
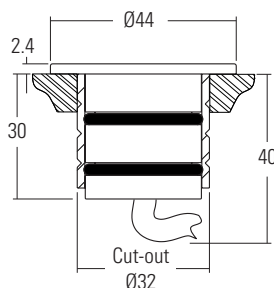
/SC Spring clip fixing

Useful for most wall mounted applications



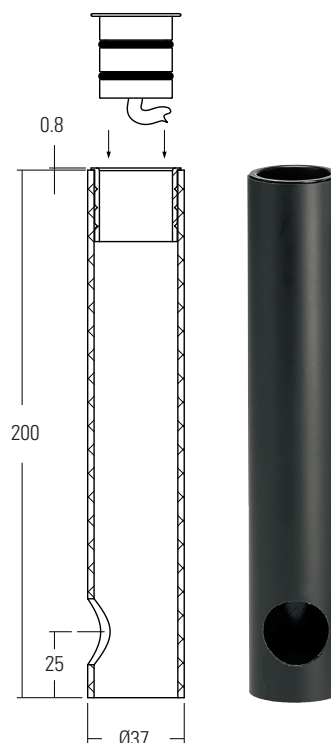
/476 O-rings and sleeve

A more robust and water tight method of fixing, for wet areas



/480GT 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.



RLE - REPLACEABLE LIGHT ENGINES



What is RLE

On the surface, RLE is LightGraphix's answer to the Circular economy question that is facing many industries at the moment. However for us, RLE is an ethos; a commitment that LightGraphix will factor in the principles of good circular design into all of its future product design. It allows us to offer luminaires that contain replaceable, energy-efficient light engines. This gives customers the ability to refurbish existing lighting installations rather than having to replace the entire luminaire. This will fall into two types of refurbishments: replaceable, and repairable.

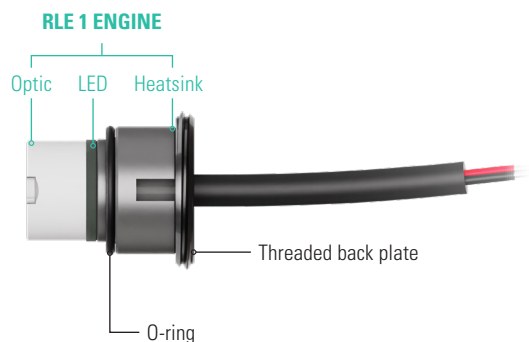
RLE Engines

Repairs can be conducted on any site worldwide, or in our factory, with a small tool. Simply swap out the singular modular LED insert, and replace it with another, along with a new optic, which are both supplied by us. The warranty provided with the product varies based on who is performing RLE repairs. There are three types of RLE engine, categorised based on the size of the product. RLE1 is the smallest, with RLE3 being the largest.



LD43DR RLE REPLACEMENT PARTS

Please use the configurator below to specify your replacement engine and optic. If you are unsure of your original specifications, please check the label on your LightGraphix fitting, or get in touch with our sales team. Installation sheets will be supplied with the new components.



RLE Engine		LED Colour		Beam Angle		Accessories	
RLE1/							
RLE 1 ENGINE	RLE1/	2200K 93+ CRI	/922	Narrow beam 16mm optic	RLE/OP-16/NB	O-ring	RLE/OR1
		2700K 93+ CRI	/927			Threaded back plate	RLE/TBP
		3000K 93+ CRI	/930				
		4000K 93+ CRI on request	/940				
		5000K 93+ CRI	/950				

ORDER CODES & OPTIONS

Example: LD60-C1-700/927/MB/316 Stainless Steel/480

Light Engine & Drive Current

LED Colour

Beam Angle

Finish

Fixing

Ambient temperature key:  55°C



	1.2W LED at 350mA	LD60-C1-350
	1.7W LED at 500mA	LD60-C1-500

2200K 93+ CRI	/922
2700K 93+ CRI	/927
3000K 93+ CRI	/930
4000K 93+ CRI on request	/940
5000K 93+ CRI	/950
Blue	/LB
Green	/LG
Red	/LR
Amber	/LA

12° Narrow	/NB
31° Medium	/MB
48° Wide	/WB
12° x 36° Oval	/OB

	316 Stainless Steel
	Polished & Passivated 316 Stainless Steel (for marine environments)
	Wet Spray Black (RAL 9005)
	Wet Spray Classic Bronze (YM262E)
	Wet Spray Gunmetal Grey (RAL 7021)
	Wet Spray White (RAL 9016)
	Wet Spray RAL

	/SC
	/480
	/480GT

Drivers

Use with 350mA, 500mA & 700mA constant current LED drivers
We have a wide range of LED drivers available. Please see the downloads section of our website.