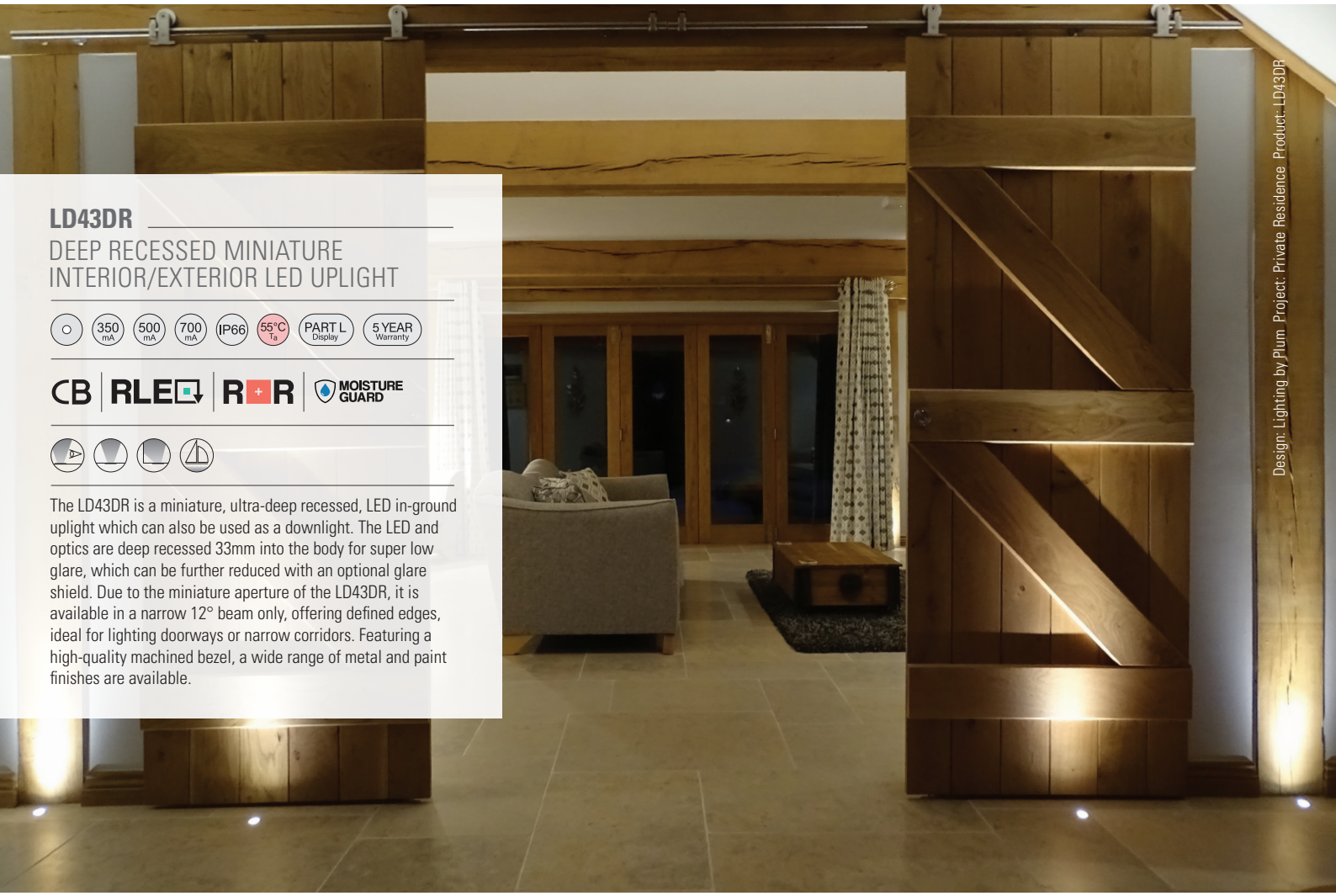
LightGraphix
Creative Lighting Solutions

# LD43DR



Design: Lighting by Plum Project: Private Residence Product: LD43DR

## LD43DR

DEEP RECESSED MINIATURE
INTERIOR/EXTERIOR LED UPLIGHT

○ | 350 mA | 500 mA | 700 mA | IP66 | 55°C Ta | PART L Display | 5 YEAR Warranty

CB | RLED | R+R | MOISTURE GUARD

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 106lm
- 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
- Contains our integral moisture guard (anti-wicking barrier), stopping water ingress from going up the cable into the product from incorrect IP-rated connections
- Switched, 0-10V, Casambi, DMX, DALI or Mains dimmable drivers available

## DIMENSIONS

*Dimensions in mm*

For fixing dimensions please go to page 4.




T: +44 (0)1322 527 629 E: light@lightgraphix.co.uk www.lightgraphix.co.uk
Data sheet issued: 18 October 2026 | Issue 7

## WHITE LED ENGINE SPECIFICATION

| | | | |
|---|---|---|---|
| Engine | C1 | | |
| Beam angles | 12° | | |
| LED manufacturer | NICHIA | | |
| Colour temperature | 2200K, 2700K, 3000K, 4000K, 5000K | | |
| Current [Rated Output] | 350mA [1.2W] | 500mA [1.7W] | 700mA [2.4W] |
| Typical LED Circuit wattage | 1.1W | 1.6W | 2.3W |
| Delivered lumens ($L_{100}$) | 63 | 82 | 106 |
| Delivered lm/Circuit W** | 58 | 51 | 46 |
| Typical LED Source wattage | 1W | 1.5W | 2.1W |
| Source LED lm | 133 | 187 | 206 |
| Source lm/W | 136 | 129 | 98 |
| Forward voltage ($V_{100}$) | 2.8V | 2.9V | 3V |
| CRI | 93 | | |
| Colour consistency | 2 SCDM | | |
| Peak intensity | 984 cd | | |
| LOR | 0.51 | | |
| TM30 | RF93 \| RG100 | | |
| UGR rating ('downlight' mounted)*** | 2.4 | 3.6 | 4.5 |
| BUG rating ('uplight' mounted) | B0-U3-G0 | | |
| LED lifetime | L90B5 at 90,000hrs | | |
| Applications | | | |

This data is based on LD43DR-C1-700/930/NB
*Lumen output data applies to all colour temperatures
**LED wattage includes losses assocaited with using a 90% efficient driver
***UGR values based on room parameters of 4H 8H, C70 W50 F20

### MECHANICAL

| | 350mA | 500mA | 700mA |
|---|---|---|---|
| Ambient temperature ○ 55°C | -20°C to 55°C | -20°C to 50°C | -20°C to 35°C |
| Glass | 3.3mm thick borosilicate glass with black ceramic screen print | | |
| 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 core cable at a length of 250mm) | | |

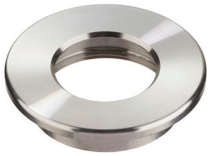
### ENVIRONMENTAL

| | |
|---|---|
| TM65 | Available on request |
| TM66 | 2.7 |
| Repair + Refurbish | R+R 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) | RLE 1  Visit page 5 for replacement parts |

## AVAILABLE FINISHES

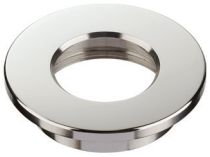
*Please refer to our finishes guide for full details*

### MACHINED & PLATED FINISHES



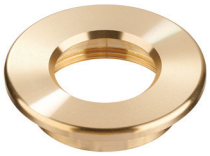
**316 STAINLESS STEEL**
/SS

- 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**
/PPSS

- 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



**MACHINED BRASS**
/BS

- 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**
/FBZ

- 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

### POWDER COAT PAINT FINISHES

Our paint finishes are suitable for interior, exterior, and high-saline environments. All our painted finishes are applied in-house, allowing us to maintain complete control over quality and consistency. This also means we can easily accommodate any RAL colour specification in addition to our standard colour range, offering you full flexibility for custom projects.



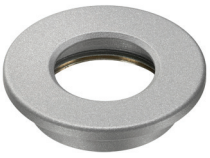
**MATT BLACK**
/PCBLK



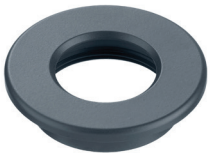
**MATT WHITE**
/PCWHT



**ANTIQUE WHITE**
/PCAWHT



**MATT SILVER**
/PCMS



**ANTHRACITE GREY**
/PCANTGREY



**GUNMETAL GREY**
/PCGMG



**ANTIQUE BRONZE**
/PCANTBRZ



**EARTH BRONZE**
/PCEBRZ



**DESERT BRONZE**
/PCDBRZ



**TEXTURED MARS BRONZE**
/PCMARS



**TEXTURED FIR GREEN**
/PCTFG



**WHITE STONE**
/PCTWS



**CUSTOM RAL**
/CUSTFINISH

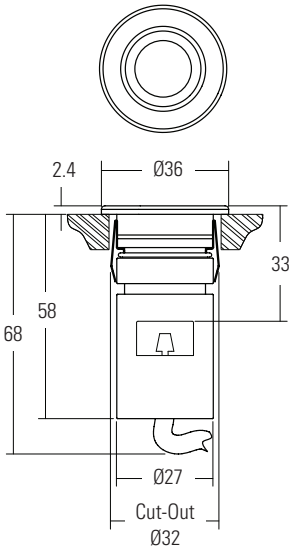
## DIMENSIONS AND FIXING ACCESSORIES

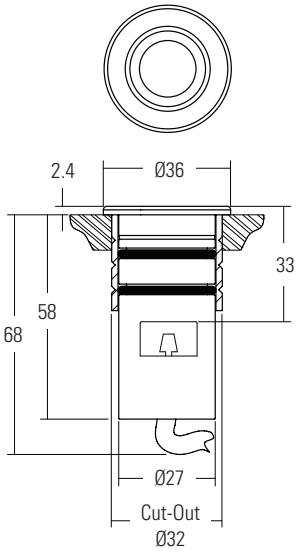
*Dimensions in mm*

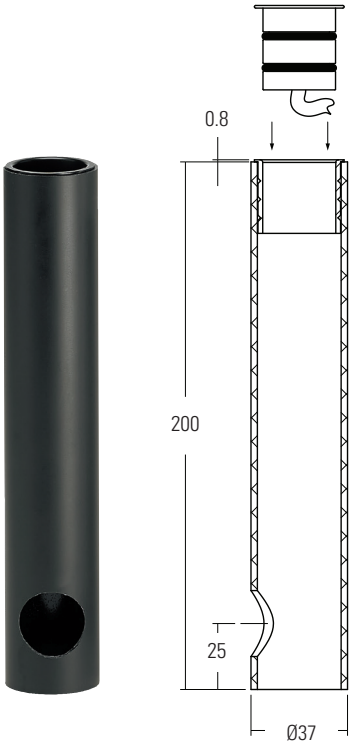
**/SC** Spring clip fixing
Useful for plinth or downlight applications

**/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.

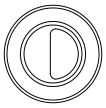


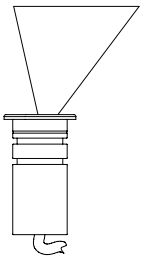



## GLARE CONTROL OPTIONS

**/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.











## 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 have having to replace the entire luminaire. This will fall into two types of refurbishments: replaceable, and repairable.

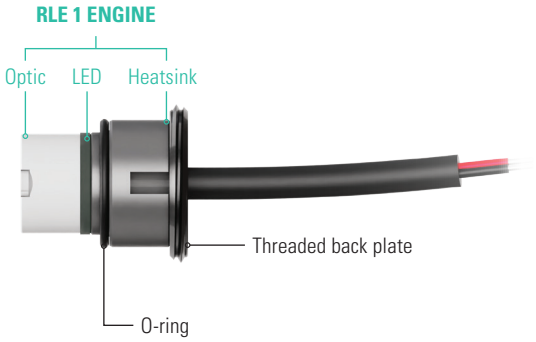


### RLE Engines

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 with vary 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 | |
|---|---|---|---|---|---|---|---|
| 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: LD43DR-C1-700/930/NB/316 Stainless steel/GS/480*

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

Ambient temperature key: 55°C

**C1**

| | |
|---|---|
| 1.2W LED at 350mA | LD43DR-C1-350 |
| 1.7W LED at 500mA | LD43DR-C1-500 |
| 2.4W LED at 700mA | LD43DR-C1-700 |

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

| | |
|---|---|
| 12° Narrow spot | /NB |

**Machine Finish**

- 316 Stainless Steel
- Polished & Passivated Stainless Steel
- Flamed Bronze
- Brass

**Powder Coat**

- Matt Black
- Matt White
- Antique White
- Matt Silver
- Anthracite Grey
- Gun Metal Grey
- Antique Bronze
- Earth Bronze
- Desert Bronze
- Textured Mars Bronze
- Textured Fir Green
- White Stone
- Any RAL



/SC



/480



/480GT



/GS

| Drivers |
|---|
| Use with 350mA, 500mA & 700mA constant current LED drivers<br>We have a range of dimmable LED drivers DMX and DALI compatible. Please see the downloads section on our website. |