

## LD48

### LOW GLARE INTERIOR/EXTERIOR WALL OR STEP LIGHT



## CB | RLE | R+



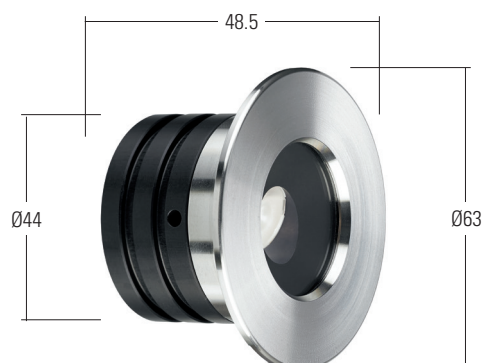
The LD48 has been updated with the latest LED technology and fitted with our new optics. The lens assembly is recessed and inclined by 20° for a floor wash illumination with minimal glare. This is a high-quality fitting with a machined 316 stainless steel bezel and black anodized body, for interior and exterior use. It has no visible fixings and the glass is fixed with a hidden gasket, so no unsightly glue line is visible. A choice of beam angles and colour temperatures are available. See LD47 for a version with a square bezel.

## KEY FEATURES

- > LED and lens assembly recessed and tilted by 20° within a black anodised body for reduced glare
- > High quality machined bezel and body
- > Square and round versions available
- > Glass fixed with hidden gasket, so no unsightly glue line
- > No visible fixings. Options include spring fixing clips or O-rings and a first fix sleeve
- > Can be used for external and internal applications
- > Integral anti-wicking barrier increases protection against moisture ingress due to incorrect IP rated cable connections
- > Range of bezel finish options including stainless steel and paint finishes
- > 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°, 48°                                                                        |
| LED manufacturer                      | NICHIA                                                                               |
| Colour temperature                    | 2200K, 2700K, 3000K, 4000K, 5000K                                                    |
| Current [Rated output]                | 350mA [1.2W]      500mA [1.7]      700mA [2.4W]                                      |
| Typical LED Circuit wattage           | 1.1W      1.6W      2.3W                                                             |
| Delivered lumens (L <sub>100</sub> )* | 106      138      177                                                                |
| Delivered lm/Circuit W**              | 97      86      76                                                                   |
| Typical LED Source wattage            | 1W      1.6W      2.1W                                                               |
| Source LED Lm                         | 133      187      206                                                                |
| Source lm/W                           | 136      129      98                                                                 |
| Forward voltage (V <sub>100</sub> )   | 2.8V      2.9V      3V                                                               |
| CRI                                   | 93                                                                                   |
| Colour consistency                    | 2 SDCM                                                                               |
| Peak intensity                        | 554 cd                                                                               |
| LOR                                   | 0.86                                                                                 |
| TM30                                  | RF92   RG100                                                                         |
| BUG rating (Sideways mounted)         | B0-U2-G1                                                                             |
| LED lifetime                          | L90B5 at 90,000hrs                                                                   |
| Applications                          |   |

This data is based on LD48-C1-700-LW22-MB

\*Lumen output data applies to all colour temperatures

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

## MECHANICAL

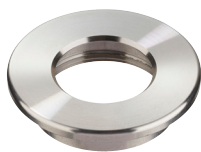
|                     |                                                                                                   |                             |
|---------------------|---------------------------------------------------------------------------------------------------|-----------------------------|
| Ambient temperature | C1                                                                                                | -20°C to 50°C (350mA-700mA) |
|                     | C1 (AUS/NZ)                                                                                       | -20°C to 25°C (350mA-500mA) |
| Glass               | 5mm thick borosilicate                                                                            |                             |
| Materials           | Black anodised aluminium body, Machine finish 316 stainless steel bezel (other options available) |                             |
| IP rating           | IP67                                                                                              |                             |
| 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<br>(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

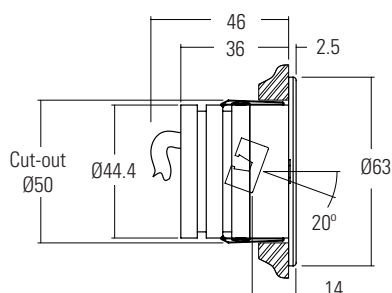
- > White (RAL 9016), Black (RAL 9005), Antique Bronze, Satin Antique Brass, Satin Brass, Anthracite Grey (7016) or any RAL colour available
- > Not recommended for footlights in high traffic areas
- > Interior & exterior use

## DIMENSIONS & FIXING OPTIONS

Dimensions in mm

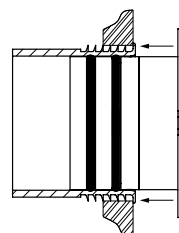
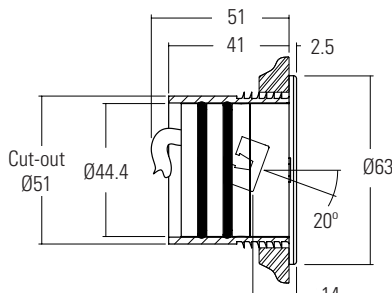
### /SC Spring clip fixing

Useful for most wall mounted applications



### /476 O-rings and sleeve

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



Design: Light IQ Project: Private Residence Product: LD47

## 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.

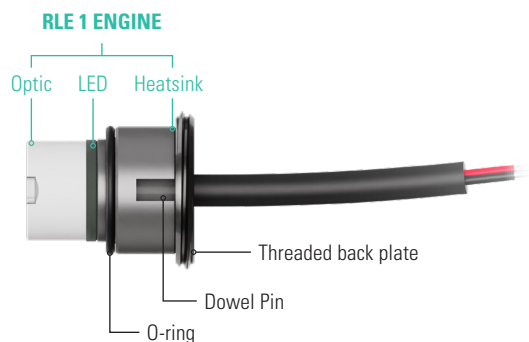
### RLE Engines

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.



## LD56 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/ | Super Warm White (2200K)   | /LW22 | Narrow beam 16mm optic | RLE/OP-16/NB | Dowel pin for Oval beam orientation | RLE1/OP-16/DP |
|              |       | Extra Warm White (2700K)   | /LW27 | Medium beam 16mm optic | RLE/OP-16/MB | O-ring                              | RLE/OR2       |
|              |       | Warm White (3000K)         | /LW30 | Wide beam 16mm optic   | RLE/OP-16/WB | Threaded back plate                 | RLE/TBP       |
|              |       | White (4000K) - on request | /LW40 | Oval beam 16mm optic   | RLE/OP-16/OB |                                     |               |
|              |       | Cool White (5000K)         | /LW50 |                        |              |                                     |               |

## ORDER CODES & OPTIONS

Example: LD48-C1-500 / LW30 / MB / Polished & Passivated 316 Stainless Steel / 476

Light Engine & Drive Current

LED Colour

Beam Angle

Finish

Fixing

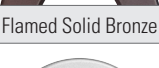
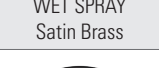
### C1

|                   |             |
|-------------------|-------------|
| 1.2W LED at 350mA | LD48-C1-350 |
| 1.7W LED at 500mA | LD48-C1-500 |
| 2.4W LED at 700mA | LD48-C1-700 |

**\*AUS/NZ:**  
Add - AU - suffix to the product code e.g.  
LD48-AU-C1-350

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

|            |     |
|------------|-----|
| 12° Narrow | /NB |
| 31° Medium | /MB |
| 48° Wide   | /WB |

|                                                                                       |                                                                     |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------|
|    | 316 Stainless Steel                                                 |
|    | Polished & Passivated 316 Stainless Steel (for marine environments) |
|    | Flamed Solid Bronze                                                 |
|    | WET SPRAY Silver Anodised                                           |
|   | WET SPRAY Antique Bronze                                            |
|  | WET SPRAY Satin Antique Brass                                       |
|  | WET SPRAY Satin Brass                                               |
|  | WET SPRAY Black (RAL 9005)                                          |
|  | WET SPRAY Anthracite Grey (RAL 7016)                                |
|  | WET SPRAY White (RAL 9016)                                          |
|  | WET SPRAY RAL                                                       |

|                                                                                     |      |
|-------------------------------------------------------------------------------------|------|
|  | 4A   |
|  | /SC  |
|  | /476 |

### 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.