

KEY FEATURES

- Manufactured from a single billet of 316 stainless steel
- No visible fixings
- Minimal aesthetic
- LD64 produces a single 120° angle of illumination with an output of up to 33lm
- Integral anti wicking barrier increases protection against moisture ingress due to incorrect IP rated cable connections
- Fixing using O-rings and a first fix sleeve
- Rated IP67 for exterior or interior pathways, staircases and walls



Contains our integral moisture guard (anti-wicking barrier), stopping water ingress from going up the cable into the product from incorrect IP-rated connections

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	120°					
LED manufacturer	NICHIA					
Colour temperature	2200K / 2700K / 3000K / 4000K / 5000K					
Current [Rated Output]	350mA [1.2W]	500mA [1.7W]				
Typical LED Circuit wattage	1.1W	1.6W				
Delivered lumens (L ₁₀₀)*	19	33				
Delivered Im/Circuit W**	18	20				
Typical LED Source wattage	1W	1.5W				
Source LED Im	133	187				
Source Im/W	136	129	129			
Forward voltage (V ₁₀₀)	2.8V	2.9V				
CRI	93					
Colour consistency	2 SCDM					
Peak intensity	22 cd					
LOR	0.17					
TM30	RF93 RG101					
UGR rating ('downlight' mounted)	12.7	14.6				
BUG rating ('uplight' mounted)	B0-U2-G0					
LED lifetime	L90B5 at 90,000hrs					
Applications						

MECHANICAL

Ambient temperature	-20° to 50° (350mA-500mA)
Materials	Machine finish 316 stainless steel
IP rating	IP67
IK rating	IK10
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	2.6				
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)	RLE 1 Visit page 4 for replacement parts				







This data is based on an LD64-C1-500-LW30
*LED wattage includes losses associated with using an 90% efficient driver
**Lumen output data applies to all colour temperatures.

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 - POWDER COAT

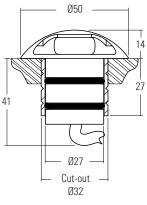
- White (RAL 9016), Black (RAL 9005), Classic Bronze (YM262E). Gunmetal Grey (RAL 7021) Textured Fir Green (RAL 6009), Textured Mars Bronze, and other RAL colours available
- Smooth matt texture unless stated otherwise
- Not recommended for footlights in high traffic areas
- Interior & exterior use

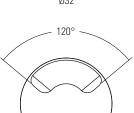
DIMENSIONS & FIXING OPTIONS

Dimensions in mm

/480 Sleeve and O-rings

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

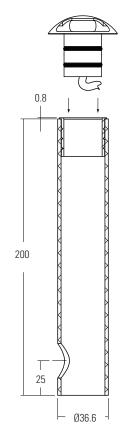






/480GT Ground tube

The in-ground tube has been designed for applications where a recessed uplighter is required in soil or gravel 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

RLE

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.

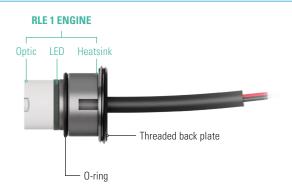
RLE Engines

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.



LD64 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 C	LED Colour		Optic			Accessories	
RLE1/									
RLE 1 ENGINE	RLE1/	Super Warm White (2200K)	/LW22		Narrow beam 16mm optic	RLE/OP-16/NB		0-ring	RLE/OR2
		Extra Warm White (2700K)	/LW27					Threaded back plate	RLE/TBP
		Warm White (3000K)	/LW30						
		White (4000K) - on request	/LW40						
		Cool White	/LW50	1					







(5000K)



ORDER CODES & OPTIONS

Example: LD64-500 / LW30 / 316 Stainless steel / 480

Light Engir	ne & Drive Current		LED Colo	ur		Finish		Fixing
LD64 -		/			/		/	
0	C1							
1.2W LED at 350mA	LD64-C1-350		Super Warm White (2200K)	/LW22				
1.7W LED at 500mA	LD64-C1-500		Extra Warm White (2700K)	/LW27		316 Stainless Steel		/480
		J	Warm White (3000K)	/LW30		Polished & Passivated		7400
			White (4000K) - on request	/LW40		316 Stainless Steel (for marine environments)		/480GT
			Cool White (5000K)	/LW50		Flamed		
			Blue	/LB		Solid Bronze		
			Green	/LG		POWDER COAT White (RAL 9016)		
			Red	/LR		(IIAL 9010)		
			Amber	/LA		POWDER COAT Black (RAL 9005)		
						POWDER COAT Classic Bronze (YM262E)		
						POWDER COAT Gunmetal Grey (RAL 7021)		
						POWDER COAT Textured Fir Green (RAL 6009)		
						POWDER COAT Textured Mars Bronze		
We have a v	50mA, 500mA cons vide range of LED driv he downloads section					POWDER COAT RAL		





