LD41

MINIATURE RECESSED LED UPLIGHT/ WALL LIGHT

(○) (350 mA) (500 mA) (IP68)

Our smallest fitting with a bezel diameter of just 34mm, the LD41 is a very tough, miniature fitting. It can be run up to 1.7W, and comes with a choice of beam angles making it suitable for a wide range of applications.
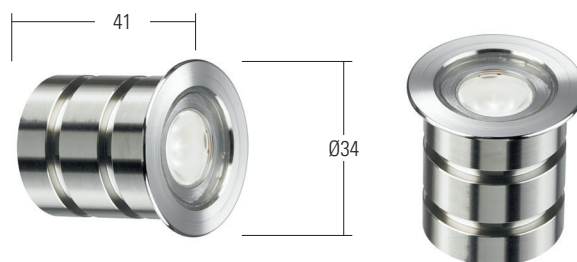
KEY FEATURES

> High-power C1 engine with NICHIA LED, delivering up to 188 lumens and CRI of 90+

> Minimal bezel and recess depth producing, excellent diffused beam shape from a range of optics

> Machined from a solid billet of stainless steel 316, also available in polished & passivated 316 stainless steel and powder coat paint finishes; White (RAL 9016), BLack (RAL 9005), Classic Bronze (YM262E), Gunmetal Grey (RAL 7021) or any RAL colour

> Can be used as an uplight or wall light and specified with frosted glass for indicator applications (a wide beam works best for this effect)

> Fixing options include O-rings and a first fix sleeve or bonding directly into the mounting surface

> Integral anti-wicking barrier increases protection against moisture ingress due to incorrect IP rated cable connections

> Not designed for permanent submersion, please use our LD242A

> Switched, 0-10V, Casambi, DMX, DALI or Mains dimmable drivers available

DIMENSIONS

Dimensions in mm

For detailed fixing dimensions please go to page 4.

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Ø34

Product: LD41 · Project: Demelza Hospice · Design: PJC Lighting

LIAQA ASSURED COMPANY · MADE IN BRITAIN · Lloyd's Register

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$_{100}$)*	108	141
Lumens per circuit watt	90	83
Forward voltage (V$_{100}$)	3V	3.2V
CRI (Typ)	93	
Colour consistency	2 SCDM	
Peak intensity	1145 cd	
LED Lumens	157lm	
LOR	0.91	
TM30	RF93	RG99
UGR***	19.2	
LED lifetime	L90B5 at 90,000hrs	
Applications	⊙ ⊡ ▽ ⬙ ◹ ⊿	

This data is based on LD41-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	5mm thick borosilicate
Materials	Machine finish, solid 316 stainless steel
Weight of product	0.015kg
IP rating	IP68 - not for permanent submersion (use LD242A)
Wiring	In-series constant current wiring (pre-wired with 2 x single core cable at a length of 100mm)

AVAILABLE FINISHES

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
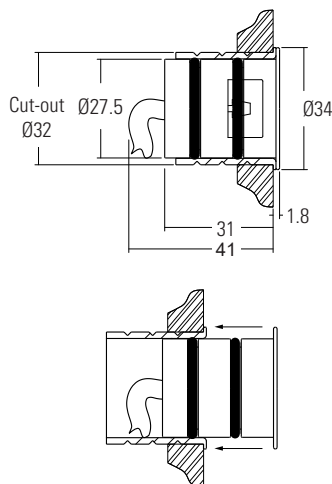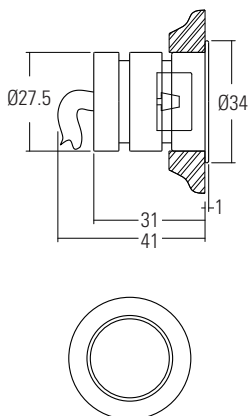
> Interior & exterior use

PAINT FINISH - POWDER COAT

> White (RAL 9016), Black (RAL 9005), Classic Bronze (YM262E), Gunmetal Grey (RAL 7021) and other RAL colours available

> Smooth matt texture unless stated otherwise

> Not recommended for footlights in high traffic areas

> Interior & exterior use

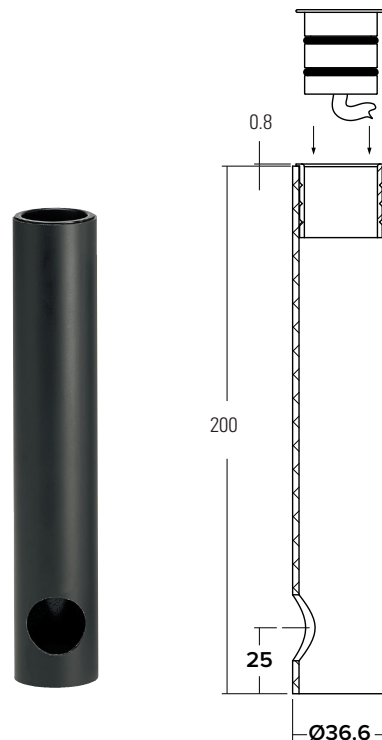## DIMENSIONS AND FIXING ACCESSORIES

Dimensions in mm

/480 O-rings and sleeve
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 uplight is required in soil or gravel terrains. 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.

ORDER CODES & OPTIONS

Example: LD41-C1-700 / LW30 / MB / 316 Stainless Steel /480

Light Engine & Drive Current		LED Colour		Beam Angle		Finish		Fixing & Accessories
LD41 -	/		/		/		/	

WHITE LED ENGINES

C1	
1.2W LED at 350mA	LD41-C1-350
1.7W LED at 500mA	LD41-C1-500

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

Finish options:

316 Stainless Steel

Polished & Passivated 316 Stainless Steel (for marine environments)

Paint Finish - Black (RAL 9005)

Paint Finish - Classic Bronze (YM262E)

Paint Finish - Gunmetal Grey (RAL 7021)

Paint Finish - White (RAL 9016)

Paint Finish - RAL

Fixing & Accessories:

/480

/480GT

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