LightGraphix
Creative Lighting Solutions

LD40
MINIATURE SHALLOW LED DOWN LIGHT AND WALL LIGHT

350 mA | 500 mA | IP68 | PART L General | PART L Display | 5 YEAR Warranty

CB | R+R

LD40 is a shortened version of our LD42, and has been designed for use in applications where recess depth is at a minimum. The optic has been moved further forward and the body length shrunk to allow for an overall depth of 22mm including cables. The high-power C1 NICHIA LED and range of optics make this a very useful, compact light fitting. Applications include shelf lighting and under kitchen cabinets.

KEY FEATURES

> Very shallow, only 22mm recess depth required including cable

> Ideal for shelf lighting or under cabinets

> 93 CRI LED in warm white

> Range of beam angles

> Maximum output is 500mA 1.7W due to its small size

> Minimal bezel thickness

> Available with Switch, 0-10V, DMX, Dali or Mains dimmable drivers

DIMENSIONS

For fixings and dimensions please go to page 3.

Ø27
24
Ø36

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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 [Rated output]	350mA [1.2W]	500mA [1.7W]
Typical LED Circuit wattage	1.1W	1.6W
Delivered lumens (L_{100})*	103	134
Delivered lm/Circuit W**	95	83
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	1,057 cd	
LOR	0.72	
TM30	RF93 | RG100	
UGR	UGR unavailable for wall mounted fittings	
BUG rating (Downlight mounted)	B0-U0-G0	
BUG rating (Sideways mounted)	B0-U2-G1	
LED lifetime	L90B5 at 90,000hrs	
Applications	⊙ ⚓ △ ⊘ △ △	

This data is based on LD40-C1-500-LW30-NB

*Lumen output data applies to all colour temperatures

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

MECHANICAL

Ambient temperature	C1	-20°C to 45°C (350mA-500mA)
	AUS/NZ	-20°C to 25°C (350mA-500mA)
Glass	5mm thick borosilicate	
Materials	Machine finish 316 stainless steel	
IP rating	IP67	
Wiring	Comes Pre-wired with 2 x 150mm single core lead, can be specified with up to 3m of single core cable at extra cost	

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.

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AVAILABLE FINISHES

Please refer to our finishes guide for full details
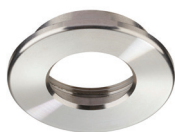
316 STAINLESS STEEL

> 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

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.

Cut-out Ø32
Ø27.5
22
4.7   Ø36   2.4
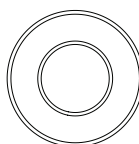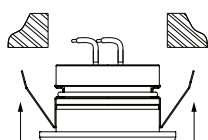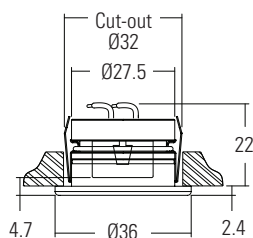
ORDER CODES & OPTIONS

Example: LD40-C1-700 / LW27 / MB / 316 STAINLESS STEEL / 480

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

C1

1.2W LED at 350mA*	LD40-C1-350	Super Warm White (2200K)	/LW22	12° Narrow	/NB	316 Stainless Steel		
1.7W LED at 500mA*	LD40-C1-500	Extra Warm White (2700K)	/LW27	31° Medium	/MB	Polished & Passivated 316 Stainless Steel (for marine environments)		/SC

*AUS/NZ:
Add - AU - suffix to the product code e.g.
LD40-AU-C1-350

LED Colour		Beam Angle		Finish
Warm White (3000K)	/LW30	48° Wide	/WB	
White (4000K) - on request	/LW40	12° x 36° Oval	/OB	Paint Finish White (RAL 9016)
Cool White (5000K)	/LW50			Paint Finish Black (RAL 9005)
Blue	/LB			Paint Finish Silver Anodised
Green	/LG			Paint Finish Antique Bronze
Red	/LR			Paint Finish Satin Antique Brass
Amber	/LA			Paint Finish Satin Brass

Paint Finish
Anthracite Grey
(RAL 7016)

Paint Finish
RAL
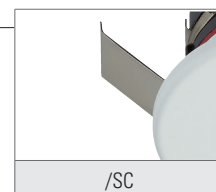
Drivers

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.

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