

LD170

HIGH-POWER LED INTERIOR/EXTERIOR WALL LIGHT



CB | R+R



The LD170 is a powerful but compact, recessed wall light designed to produce a low glare uniform floor wash for interior and exterior applications. LD170 is ideal for the illumination of broad steps and pathways with its wide oval beam, integral glare baffle and 20° kick lens which focuses the beam down onto the lit surface. Available LED engines include E3 and F1 which offer colour temperatures between 2200K-5000K, with optional accessories and bezel finishes to choose from. The bezel aesthetic is minimal featuring black trim glass and no visible fixings. This is a very tough, high quality fitting, machined from high grade materials, ensuring excellent thermal and light output performance.

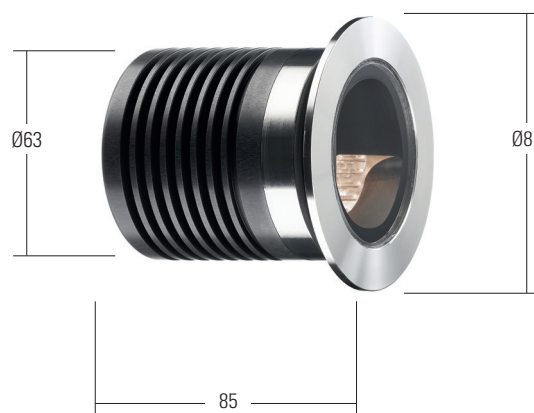
KEY FEATURES

- > E3 engine option, featuring the NICHIA LED with up to 198 lumens, 2-step binning and reverse polarity protection
- > F1 COB, Tunable White, RGBW, 2nd channel LEDs also available
- > Straight cut edged bezel available in 316 Stainless Steel, Polished & Passivated 316 Stainless Steel, Machined Brass, Flamed Solid Bronze and RAL paint finishes
- > Integral glare baffle which minimises the light above the horizontal
- > 20° angled kick lens focuses an oval beam down on to the lit surface
- > Toughened glass with black ceramic trim
- > Fitting rated IK08
- > Single light source and optic produces a very consistent beam with no multiple shadows
- > LED and lens recessed in a matt black anodised body for reduced glare
- > Hidden fixing with first fix sleeve with O-rings
- > Switched, 0-10V, Casambi, DMX, DALI or Mains dimmable drivers available

DIMENSIONS

Dimensions in mm

For full dimensions and for accessory dimensions please go to page 4.



WHITE LED ENGINE SPECIFICATION

Engine	E3		F1	
Beam angles	13° x 44°		13° x 44°	
LED manufacturer	NICHIA		CREE	
Colour temperature*	2200K, 2700K, 3000K, 4000K, 5000K		2200K, 2700K, 3000K, 4000K, 5000K	
Current [Rated Output]	350mA [5W]	500mA [7W]	350mA [3.5W]	500mA [5W]
Typical LED Circuit wattage	4.4W	6.4W	3.3W	5W
Delivered lumens (L ₁₀₀)*	147	198	76	114
Delivered lm/Circuit W**	33	31	23	23
Typical LED Source wattage	4W	5.8W	3W	4.5W
Source LED lm	574	740	377	497
Source lm/W	144	128	126	110
Forward voltage (V ₁₀₀)	11.3V	11.6V	8.7V	9V
CRI	85	90***	90	
Colour consistency	2SDCM		3SDCM	
Peak intensity**	1,271 cd		505 cd	
LOR	0.27		0.23	
TM30	RF86 RG98		RF90 RG102	
BUG rating ('sideways' mounted)	B0-U1-G1		B0-U1-G1	
LED lifetime	L90B5 at 90,000hrs		L90B5 at 90,000hrs	
Applications				

These values are based around a LD170-E3-500/830/NB & LD170-F1-500/922/MSB

*See lumen variance table to the right for F1 engine. E3 lumens apply across all colour temperatures

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

***90 CRI available in 2700K/3000K only. Approx. 10% lumen drop will occur compared to 85 CRI variants

MECHANICAL

Ambient temperature 55°C	350mA		500mA	
	E3	-20°C to 55°C	F1	-20°C to 45°C
	AUS/NZ	-20°C to 25°C		-20°C to 25°C
Glass	6mm thick toughened glass with black ceramic screen print			
Materials	Stainless steel bezel, anodised aluminium body			
Weight of product	0.52kg			
IP rating	IP67			
IK rating	IK08			
Wiring	In-series constant current wiring (pre-wired with 2 core cable at a length of 250mm)			

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.		

AVAILABLE FINISHES

Please refer to our finishes guide for full details



316 STAINLESS STEEL

- > Marine grade 316 Steel
- > Standard machined finish
- > Extremely durable
- > Passivation recommended for marine environments to further prevent corrosion and build up of brown stains caused by oxidation
- > Interior & exterior use



POLISHED & PASSIVATED 316 STAINLESS STEEL

- > Marine grade 316 Steel
- > Pristine mirror like finish
- > Extremely durable
- > Passivated to extensively prolong resistance to corrosion and brown stains caused by oxidation in marine environments
- > Interior & exterior use



MACHINED BRASS

- > 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



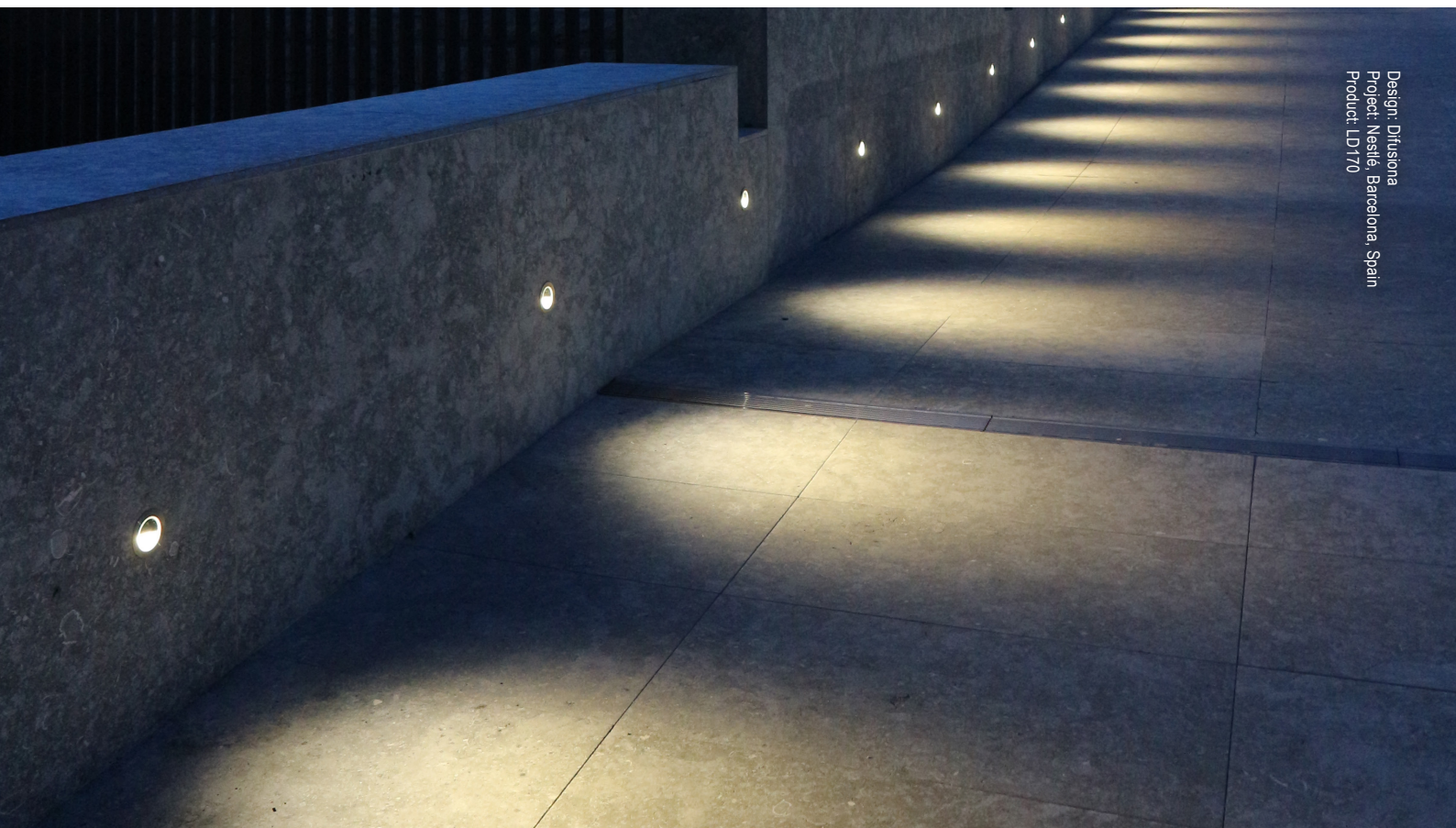
FLAMED SOLID BRONZE

- > 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

- > Matt Black, Matt White, and other RAL colours available
- > Not recommended for footlights in high traffic areas
- > Interior & exterior use



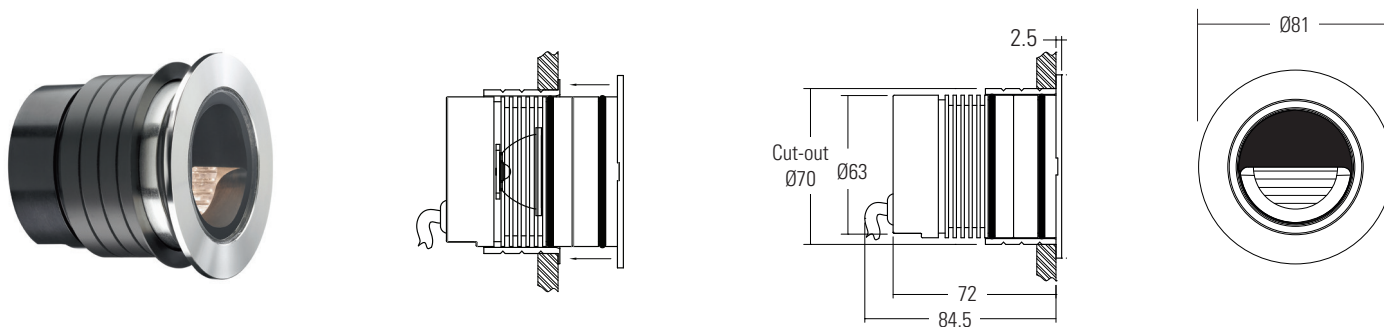
Design: Difusiona
Project: Neslé, Barcelona, Spain
Product: LD170

DIMENSIONS AND FIXING ACCESSORIES

Dimensions in mm

/484S First fix sleeve

The fitting should be specified with a /484S first fix sleeve; this is bonded into the mounting surface first. It is secured into the sleeve by two O-rings on the body. When pushed into the sleeve it creates a watertight seal.



ORDER CODES & OPTIONS

Example: LD170-E3-500/830/316 Stainless Steel/484S

Light Engine & Drive Current

LED Colour

Finish

Fixing accessories

LD170-

/

/

/

Ambient temperature key:  55°C



E3

5W LED at 350mA	LD170-E3-350
7W LED at 500mA	LD170-E3-500

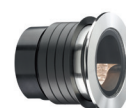
***AUS/NZ:**

Add - AU - suffix to the product code e.g.
LD170-AU-C1-350

2200K 85+ CRI	/822
2700K 85+ CRI	/827
3000K 85+ CRI	/830
4000K 85+ CRI on request	/840
5000K 85+ CRI	/850
2700K 90+ CRI	/927
3000K 90+ CRI	/930



316 Stainless Steel



/484S



Polished & Passivated
316 Stainless Steel
(for marine environments)



Flamed Solid Bronze



Machined Brass



Paint Finish
Black
(RAL 9005)



Paint Finish
White
(RAL 9016)



Paint Finish
RAL



F1

3.5W LED at 350mA	LD170-E3-350
5W LED at 500mA	LD170-E3-500

***AUS/NZ:**

Add - AU - suffix to the product code e.g.
LD170-AU-C1-350

2200K 90+ CRI	/922
2700K 90+ CRI	/927
3000K 90+ CRI	/930
4000K 90+ CRI on request	/940
5000K 90+ CRI	/950

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.