

LD175

HIGH-POWER RECESSED INTERIOR/EXTERIOR FLOOR WASHER















The LD175 is a high-power recessed wall light designed to deliver a very low glare, broad floor wash for large interior and exterior projects. Available light engines include E3, Tunable White and RGBW with colour temperatures ranging 2700K-5000K. The bezel with borofloat glass, consists of a machine anodised face plate that houses the shallow recessed LED and diffuser assembly, to ensure low glare of the broad diffused beam. 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 NICHIA LED delivering upto 400 lumens and built-in reverse polarity protection
- Tunable White, CLR and RGBW LEDs also available
- Impressive uniform floor washing wth a broad diffused beam for lighting wide
- LED and diffuser assembly recessed deep within the fitting for low glare
- Polished & passivated 316 stainless steel and RAL paint finishes available
- Optional first fix concrete-in back box, with no visible fixing or spring clips
- Switched, 0-10V, Casambi, DMX, DALI or Mains dimmable drivers available

DIMENSIONS

Dimensions in mm

For full dimensions please go to page 4.







SPECIFICATION

Engine	⊕ E3		
LED manufacturer	NICHIA		
Colour temperature*	2700K / 3000K / 4000K / 5000K		
Current	350mA	500mA	
LED power (Max)	4.2W (5W**)	6W (7W**)	
Delivered lumens (L ₁₀₀)***	305	400	
Lumens per circuit watt	61	57	
CRI (Typ)	85		
Forward voltage (V ₁₀₀)	14V		
Colour consistency	2 SCDM		
Peak intensity	448 cd		
LED lumens	840		
LOR	0.67		
TM30	RF85	RG98	
LED lifetime	L90B5 at 90,000hrs		
Applications			

These values are based around a LD175-E3-700-LW30

MECHANICAL

Ambient temperature	-20° to 45° (350mA) or -20° to 35° (500mA)	
Glass	2mm thick borofloat glass	
Materials	Anodised aluminium body, stainless steel bezel	
Weight of product	0.42kg	
IP rating	IP67	
IK rating	IK08	
Wiring	In-series constant current wiring (pre-wired with 2 core cable at 200mm)	



^{*}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

***lumen output indicated is without the glare shield. Allow 30% less with the /GS glare shield.



COLOUR & DYNAMIC LED ENGINE SPECIFICATION

Engine	CLR - Colour	RGBW		TW - Tunable White	
LED manufacturer	CREE	CREE		CREE	
Colour temperature	Red, Green, Blue, Amber	Red, Green, Blue, 4000K White		Warm White 2700K or 3000K	Cool White 4000K or 5000K
Current	500mA	350mA	500mA	500mA	
LED power (Max)	7W	5W	7W	6.3W (7W) 3.5W per channel	
Applications					

MECHANICAL

Glass	6mm thick toughened glass with black ce	6mm thick toughened glass with black ceramic screen print			
Materials	Anodised aluminium body, stainless steel	Anodised aluminium body, stainless steel bezel			
Weight of product	0.42kg	0.42kg			
IP rating	IP67	IP67			
IK rating	IK08	IK08			
Wiring	CLR - 2 core cables at 250mm in length	RGBW - 8 core cables at 250mm in length CH 1 CH 3 CH 2 CH 4	TW - 4 core cables at 250mm in length CH 1 CH 2		

AVAILABLE FINISHES

Please refer to our finishes guide for full details



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



PAINT FINISH

- > Matt Black (RAL 9005), Matt White (RAL 9016) and other RAL colours available
- > Not recommended for footlights in high traffic areas
 - Interior & exterior use

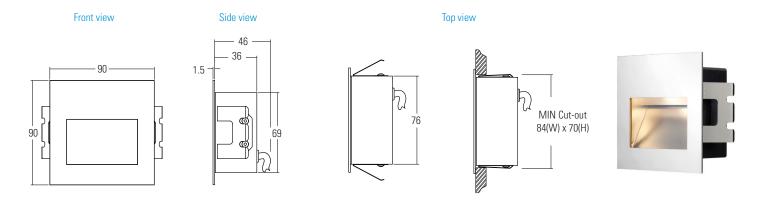


DIMENSIONS AND FIXING ACCESSORIES

Dimensions in mm

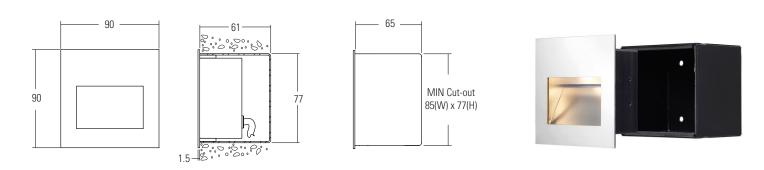
/SC Spring clips

Spring clips are supplied as standard when the concrete-in box is not specified. This fixing option is suitable for the majority of installations.



/CB Concrete-in box

First fix concrete-in box offers the ability to create the correct void in an internal wall only, the fitting is held in place with a silicone gasket. There is space behind the product to make connections. Please note spring clips are not supplied when the concrete-in box is specified.



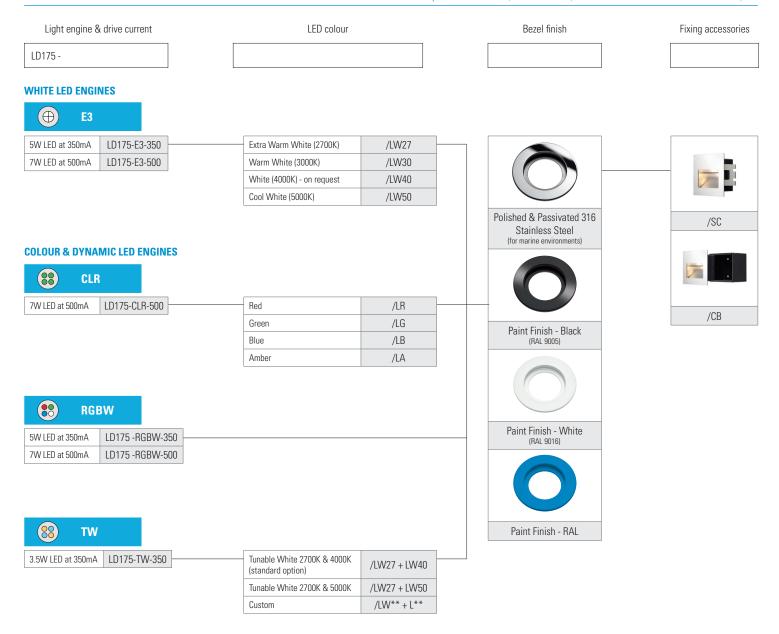






ORDER CODES & OPTIONS

Example: LD175-TW-350 / LW27 + LW40 / Polished & Passivated 316 Stainless steel / SC



Drivers

Use with 350mA, 500mA & 700mA constant current LED drivers

We have a range of dimmable LED drivers DMX and DALI compatible. Please see the downloads section on our website.