

LD18



Tilted Exterior LED Floor and Wall Washer

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LD18 is ideal for projects where a more industrial look with visible fixings is required. It features the latest in LED technology and has a very shallow recess depth. The LED and optics are tilted at 17° to focus the light on the lit surface, and reduce light spill.

Key Features

- LED and lens assembly tilted at 17° within either a black anodised aluminium or a polished stainless steel body.
- Tilted beam angle makes it an ideal solution for floor and wall washing
- Can be mounted as an uplight or wall light
- 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.
- Available with Switch, 0-10V, DMX, Dali or Mains dimmable drivers

Specification

Applications			
Beam Angles	12°, 31°, 48°, 12° x 36°		
LED type	1 x C1 Engine with NICHIA LED		
Colour temperature	2200K / 2700K / 3000K / 4000K / 5000K		
Drive Current (mA)	350	500	700
LED power* (W)	1.2W	1.7W	2.4W
CRI (typical)	93	93	93
Forward voltage (V) ₁₀₀	3.0V	3.2V	3.4V
Delivered lumens** (L ₁₀₀)	106	138	177
Lumens per circuit watt	88	81	74
LED lifetime	L90B5 at 90,000hrs		
Materials	Black anodised aluminium body, Machine finish 316 stainless steel bezel (other options available)		
Glass	5mm thick borosilicate		
Wiring	Comes pre-wired with 2 core 100mm lead, can be specified with up to 10m at extra cost		
IP rating	IP68 - Not for permanent submersion (for permanent submersion applications use LD242A)		

*LED wattage includes losses associated with using an 85% efficient driver

** Lumen output data applies to all colour temperatures.



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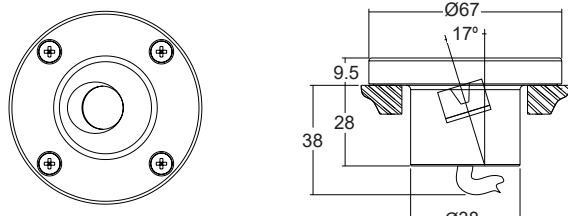
Body Options

LD18 can be alternatively specified with a stainless steel 316 body. The stainless steel body offers increased protection for very harsh marine environments.



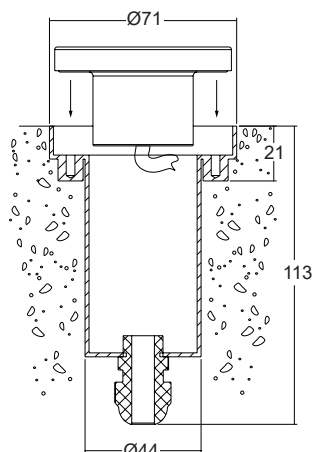
Dimensions and Fixing Options

Fixing is by removing the bezel and then 4 screws through the body



(Dimensions in mm)

/474 - Concrete fixing housing



Order Codes and Options

Product code	LED colour	Lens angle	Finish	Fixing
LD18-C1 - 350 - 500 - 700				

Example: LD18-C1-700 / LW30 / MB / Stainless steel / 474

Product codes with output options

LD18	
1.2W LED at 350mA	LD18-C1-350
1.7W LED at 500mA	LD18-C1-500
2.4W LED at 700mA	LD18-C1-700

LD18-SSB

1.2W LED at 350mA	LD18-SSB-C1-350
1.7W LED at 500mA	LD18-SSB-C1-500

LED colour options

LED colour options	Suffix
Super Warm White (2200K)	/LW22
Extra Warm White (2700K)	/LW27
Warm White (3000K)	/LW30
White (4000K) - on request	/LW40
Cool White (5000K)	/LW50
Blue	/LB
Green	/LG
Red	/LR
Amber	/LA

*Other LED colour temperatures are available. Please speak to a member of our sales team.

Beam / lens angle options

12° narrow spot	/NB
31° medium	/MB
48° wide	/WB
12° x 36° oval	/OB

Bezel finish options

Stainless steel 316 (standard)
 Paint finish white / black / RAL
 Polished and passivated stainless steel (for marine environments)

Fixing options

Concrete fixing housing	/474
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Use with 350mA, 500mA or 700mA constant current LED drivers

We have a wide range of dimmable LED drivers, 0-10V, DMX, DALI and Mains dimmable. Please see the downloads section on our website:

To run 1-14 LD18-C1-350 / LD18-SSB-C1-350 in series use a TXDEL350D (0-10V dimmable)

To run 1-14 LD18-C1-500 / LD18-SSB-C1-500 in series use a TXDEL500D (0-10V dimmable)

To run 1-13 LD18-C1-700 / LD18-SSB-C1-700 in series use a TXDEL700D (0-10V dimmable)