# LD45 & LD46

Low Glare Interior/Exterior Wall or Step lights



Data sheet - Page 1



Available in round or square, the LD45/46 will fit into most architectural styles. Manufactured with a machined stainless steel 316 bezel and black anodized body these can be used for indoor and outdoor use. The compact design with the optic set back makes them ideal for steplighting. A 12° lens will kiss light across the step or 31° lenses to wash light more directly to the edges. Available with a choice of lens angles and LED colours.

#### Key Features

- LED and lens assembly recessed within a black anodised body for reduced glare
- High quality machined bezel and body
- Square and round versions available
- Glass fixed with hidden gasket, so no unsightly glue line
- No visible fixings. Options include spring fixing clips or O-rings and a first fix sleeve
- Can be used for external and internal applications
- Integral anti-wicking barrier increases protection against moisture ingress due to incorrect IP rated cable connections
- Range of bezel finish options including stainless steel and paint finishes
- Available with Switch, 0-10V, DMX, Dali or Mains dimmable drivers

#### LD45







Applications

**Beam Angles** 

LED type

100 0	10 100	100.	, 200	

12°, 31°, 48°, 12° x 36° 1 x C1 Engine with NICHIA LED 2200K / 2700K / 3000K / 4000K / 5000K

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) <sub>100</sub>	3.0V	3.2V	3.4V		
Delivered lumens** (L100)	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	IP67				

\* LED wattage includes losses associated with using an 85% efficient driver \*\* Lumen output data applies to all colour temperatures.



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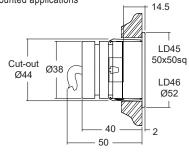
Data sheet - Page 2



### **Dimensions and Fixing Options**

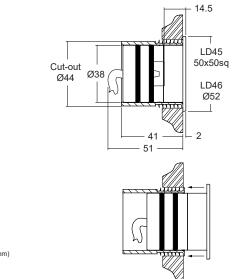
**/SC** - Spring clip fixing

Useful for most wall mounted applications



#### 1476 - O-rings and sleeve

A more robust and water tight method of fixing, for wet areas



(Dimensions in mm)

### **Photometrics**

Photometric files are included in the design pack which can be downloaded from the LD45 & LD46 product page on the website.

Order Codes and Options	
Product code LED colour Lens a LD45/46-C1- 350 - 500 - 700 Example: LD45-C1-700 / LW30 / MB / St	
Product codes with output options 1.2W LED at 350mA 1.7W LED at 500mA 2.4W LED at 700mA	LD45-C1-350, LD46-C1-350 LD45-C1-500, LD46-C1-500 LD45-C1-700, LD46-C1-700
LED colour options Super Warm White (2200K) Extra Warm White (2700K) Warm White (3000K) White (4000K) - on request Cool White (5000K) Blue Green Red Amber "Other LED colour temperatures are available. Please speak to a mail	Suffix           /LW22           /LW27           /LW30           /LW40           /LW50           /LB           /LG           /LR           /LA
Beam / lens angle options 12° narrow spot 31° medium 48° wide 12° x 36° oval (LD46 only) Bezel finish options	/NB /MB /WB /OB
Stainless steel 316 Polished and passivated stainless steel (for Flamed solid bronze (antique finish)	marine environments)

amed solid bronze (antique fir Paint finish silver / white / black / RAL (not suitable for high traffic areas) e our finishes guide for other options

Fixing options

Spring clips	/SC
First fix sleeve and O-rings	/476
First lix sieeve and O-migs	/4/0

#### 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 LD45/LD46-C1-350 in series use a TXDEL350D (0-10V dimmable) To run 1-14 LD45/LD46-C1-500 in series use a TXDEL500D (0-10V dimmable) To run 1-13 LD45/LD46-C1-700 in series use a TXDEL700D (0-10V dimmable)

