LD30

High Power Linear Reflector LED System

350 mA   500 mA   IP40

Project: Goldsmiths   Product: LD26

The ultra slim profile is the ideal lighting solution for display cases. The LEDs are mounted within a unique linear reflector system which creates a very even and focused beam with no spotting from lenses or loss of output from just using the LED itself. For its size this system packs a huge punch! LD30 offers great flexibility to the designer, with a range of options that suit most applications, details and project budgets.

Key Features

- Superb continuous lighting capabilities
- Multiple point sources create maximum sparkle
- High power for compact size
- 5 different mounting options
- Reflector focuses the light where it is needed
- LED spacing of 50, 75 and 100mm are available, allowing cost savings with fewer LEDs and drivers whilst still achieving the desired effect
- Custom made lengths as standard
- Available with Switched, 0-10V, DMX or Dali drivers

82°

Ø29
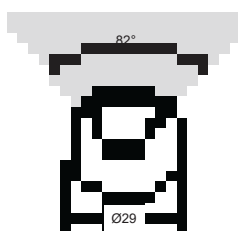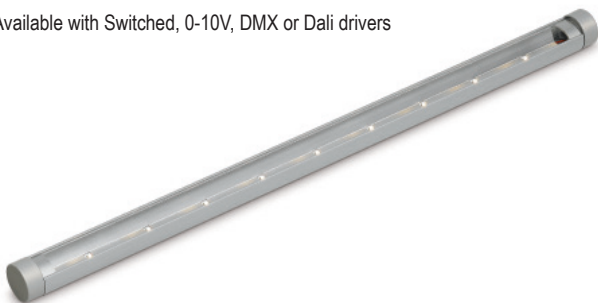
Specification

Applications				
Beam Angles	82°			
LED type	Cree XPG2			
Colour temperature	2700K** / 3000K		5000K	
Drive Current (mA)	350	500	350	500
LED power* (W)	1.2W	1.7W	1.2W	1.7W
CRI (typical)	93	93	75	75
Forward voltage (V)$_{100}$	3.0V	3.2V	3.0V	3.2V
LED spacing	Delivered lm/m** (L$_{100}$)			
50mm	2052	2800	2493	3402
75mm	1334	1820	1620	2211
100mm	1026	1400	1247	1701
Lumens per circuit watt***	86	82	104	100
LED lifetime (to 70% lumen maintenance)	50,000hrs at a max ambient temperature of 35°C			
Materials	Silver anodised aluminium body, Polycarbonate cover. Aluminium reflector and end caps.			
Wiring	Comes pre-wired with 2m lead, can be specified with up to 10m at extra cost			
IP rating	IP40			

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

** 2700K lumen output is 12% lower than the 3000K figure listed
   4000K lumen output is 14% higher than the 3000K figure listed (80 CRI)

***Data shown allows for 50mm spacing

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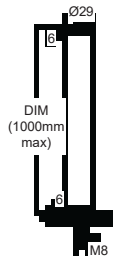## High Power Linear Reflector LED System

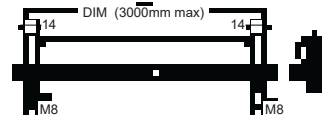## Mounting Options and Dimensions

/M1

Method 1 - Profile fixed from one end using M8 all-thread and nut. Cable exit through all-thread. Specify Dim (if longer than max length please contact us).
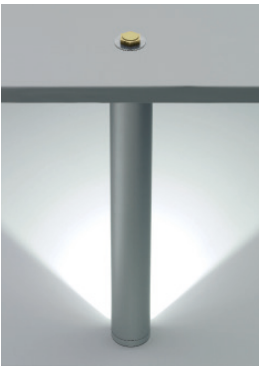

/M4

Method 4 - Profile fixed from one end using M8 all-thread and nut. Cable exit through all-thread. Specify Dim (if longer than max length please contact us).
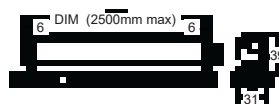

/M2

Method 2 - Profile fixed from both ends using M8 all-thread and nut. Cable exit through all-thread and can be either end. Specify Dim (if longer than max length please contact us).


/M5

Method 5 - Linear profile is fixed using spring fixing clips which are screwed to the surface, cables exit one or both ends. Specify Dim (if longer than max length please contact us).

/M3

Method 3 - Profile is mounted in a 'goal post' configuration. To direct the light output by 350° loosen M3 grub screws and rotate profile. Specify Dim (if longer than max length please contact us).

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350mA 500mA IP40 F
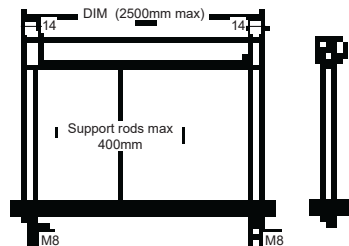
Project: Harrods   Product: LD30

Photometrics

Photometric files are included in the design pack which can be downloaded from the LD30 product page on the website.

Thermals

Max ambient temp. @ 50mm spacing:
350mA - 45°C
500mA - 35°C
Requires consideration in small, unventilated display cabinets.

Order Codes and Options

Product code	LED colour	LED spacing	Cover option	Mounting method	Length (DIM)	Finish
LD30 - 350 - 500						

Example: LD30-350 / LW30 / 50 / CC / M1 / 1000mm / Silver anodised

Product codes with output options

1.2W LED at 350mA	**LD30-350**
1.7W LED at 500mA	**LD30-500**

LED colour options

	Suffix
Extra Warm White (2700K)	/LW27
Warm White (3000K)	/LW30
White (4000K) - on request	/LW40
Cool White (5000K)	/LW50

LED spacing

50mm	/50
75mm	/75
100mm	/100

Cover option

Clear cover	/CC
Frosted cover	/FD

Mounting Method

Method 1	/M1
Method 2	/M2
Method 3	/M3
Method 4	/M4
Method 5	/M5

Finish options

Silver anodised (standard)

Paint finish white / black / RAL (only available with LD30-350)

Use with 350mA and 500mA 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.

MADE IN BRITAIN   Lloyd's Register