

LD30

High Power Linear Reflector LED System



Data sheet - Page 1



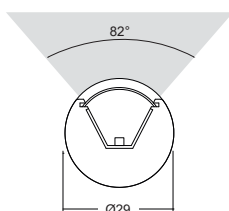
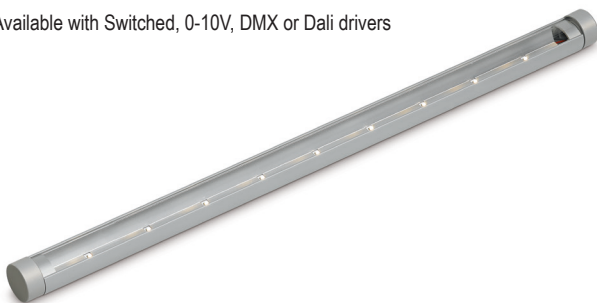
Project: Goldsmiths Product: LD30



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



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** (L₁₀₀)

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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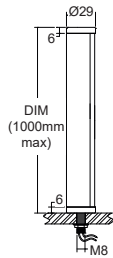


Data sheet - Page 2

Mounting Options and Dimensions

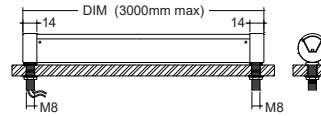
/M1

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).



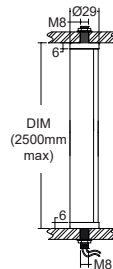
/M4

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).



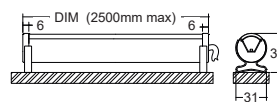
/M2

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).



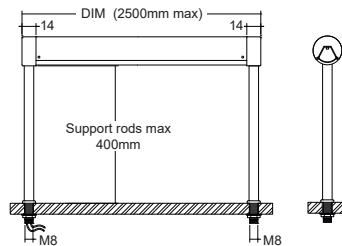
/M5

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).



LD30

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Data sheet - Page 3



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	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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
Super Warm White (2200K)	/LW22
Extra Warm White (2700K)	/LW27
Warm White (3000K)	/LW30
White (4000K) - on request	/LW40
Cool White (5000K)	/LW50

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

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)
Black anodised
Bronze anodised
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.