

LD30

High Power Linear Reflector LED System



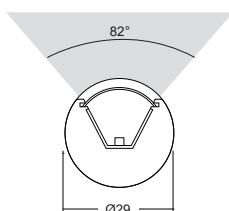
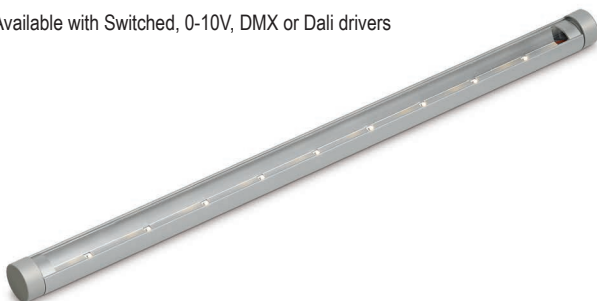
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The ultra slim profile is the ideal lighting solution for display cases. The LEDs are mounted within a unique linear reflector system which creates a very even and focused beam with no spotting from lenses or loss of output from just using the LED 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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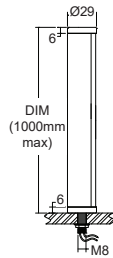


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Mounting Options and Dimensions

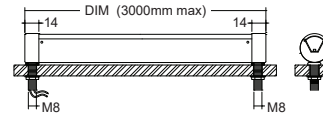
/M1

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).



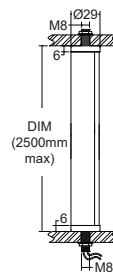
/M4

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).



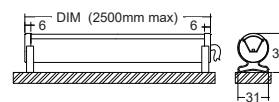
/M2

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).



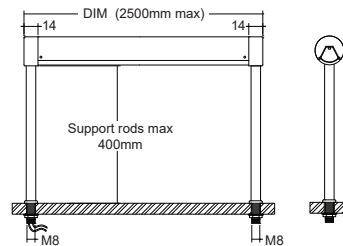
/M5

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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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 | <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

Extra Warm White (2700K)

Suffix

/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)

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.