

# linear led series

## applications

- Architectural features
- Artwork enhancement
- Building beautification
- Landscape lighting

All products in Holophane's LLED Series are manufactured with Luxeon Lighting Network Approval.



Holophane linear LED systems utilise the market leading Luxeon high power LEDs from Lumileds, which offer distinct advantages over 5mm LEDs, including superior light output and lumen maintenance. The low lens temperature makes them suitable for use in public areas, where there is a possibility of people touching them. Available in two lengths, with either integral or remote electronic drivers and mounted on adjustable brackets, the linear LED system will enhance the appearance of a multitude of architectural applications.



**features and benefits**

## Minimal design

- > Complements today's architecture

## Robust construction

- > Durable
- > Suitable for internal and external use

## Utilising Luxeon high power LEDs from Lumileds

- > Reliable
- > Long life
- > Higher lumen output than 5mm LEDs

## LEDs

- > Low lens temperature
- > Suitable for use in public areas

**lamp types included**

- 6 x 1.2W or 2.8W Luxeon LEDs
- 12 x 1.2W or 2.8W Luxeon LEDs
- 48 x 1.2W or 2.8W Luxeon LEDs

**IP rating**IP68 **approvals**

Complies with EN60598

**CE**

Linear LED system

**specification**

Linear LED Series

The luminaire shall consist of an anodised aluminium body with a clear polycarbonate window sealed to IP68. The body shall house six, twelve or forty-eight warm white, cool white, blue, green, red or amber 1.2W or 2.8W Luxeon high power LEDs. Luminaires shall be available with RGB DMX512 control utilising individual coloured LEDs or Tri Chip LEDs. Shall be focused by 6, 25, 45 or asymmetrical 25 x 6 degree polycarbonate lenses. The luminaire should be suitable for surface mounting via lockable, fully rotating end supports and be able to accommodate external low voltage or integral mains drivers. Complies with EN60598.

**weights & thermal data**

Luminaire Length (mm)	Weight (kg)	Min Operating Temperature (°C)	Max Ambient Temperature (°C)*
600	2.7	-20	30
1200	5.4	-20	30

\*The maximum ambient temperatures stated are for exterior use only. For interior use deduct 10°C from the temperature stated

Use this table to determine the quantity of linear modules that can be operated by remote driver option.

power supply	120watt	240watt	480watt
<b>6 LEDs</b>			
@ 350MA	10 units	n/a	n/a
@ 700MA	5 units	10 units	n/a
<b>12 LEDs</b>			
@ 350MZ	5 units	10 units	n/a
@ 700MA	2 units	5 units	10 units
<b>48 LEDs</b>			
@ 350MA	1 unit	2 units	5 units
@ 700MA	n/a	1 unit	2 units

example: 12LEDs @ 350MA operating on a 240w power supply = 10units.

Therefore order will be:  
 1x LLEDS 12WH 06D 350MA 240GB  
 8x LLEDS 12WH 06D 350MA  
 1x LLEDS 12WH 06D 350MA END.

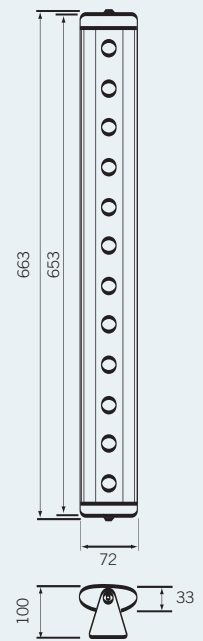
For LLED units with integral Driver add 140mm. For 48 LED's and 700MA add 280mm.



1200mm linear LED system (with remote driver)



600mm linear LED system (with remote driver)





## ordering details : luminaire

## Code

LLEDS	Linear LED series (short body series 600mm long)
LLEDL	Linear LED series (long body series 1200mm long)

Code	Light Source
.6AM	6 x 1.2 watt Amber LEDs**
.6BL	6 x 1.2 watt Blue LEDs**
.6GR	6 x 1.2 watt Green LEDs**
.6RD	6 x 1.2 watt Red LEDs**
.6WH	6 x 1.2 watt White 5000K LEDs**
.6WWH	6 x 1.2 watt White 3200K LEDs**
.12AM	12 x 1.2 watt Amber LEDs
.12BL	12 x 1.2 watt Blue LEDs
.12GR	12 x 1.2 watt Green LEDs
.12RD	12 x 1.2 watt Red LEDs
.12WH	12 x 1.2 watt White 5000K LEDs
.12WWH	12 x 1.2 watt White 3200K LEDs
.48AM	48 x 1.2 watt Amber LEDs***
.48BL	48 x 1.2 watt Blue LEDs***
.48GR	48 x 1.2 watt Green LEDs***
.48RD	48 x 1.2 watt Red LEDs***
.48WH	48 x 1.2 watt White 5000K LEDs***
.48WWH	48 x 1.2 watt White 3200K LEDs***

Code	Optics
.06D	6 Degree optic beam angle
.25D	25 Degree optic beam angle
.45D	45 Degree optic beam angle
.256D	25 x 6 Degree optic beam angle

Code	Out Options
.350MA	350MA Lower light output
.700MA	700MA Higher light output (increases each LED's power to 2.8W)

Code	Driver Options
.INT	Internal driver (supplied with each luminaire)
.120GB	Remote IP65 gear box (max 120W of LED power load)*
.240GB	Remote IP65 gear box (max 240W of LED power load)*
.480GB	Remote IP65 gear box (max 480W of LED power load)*
.EMB	Extended offset mounting brackets (x2)
.RMB	Rear mounted brackets (x2)
.END	End of run version (no through wiring)

<b>Example</b>	LLEDL	.48WH	.25D	.700MA	.INT
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\* A minimum of one remote gear box is required. See power load table on page 3.3 to determine maximum number of luminaires.  
 \*\* Not available for LLEDL. \*\*\* Not available for LLEDS

## luminaire accessories

order separately for on site installation by others

## Code

<b>LED.ILC</b>	IP68 in-line connector
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**LED.ILC**  
IP68 Wiring Connector