

Illuminate architectural features and landscapes with the adaptable Linear Flex. This flexible LED luminaire offers dynamic color control and multiple optics for tailored light distribution, perfect for accentuating facades, creating vibrant wall washes, and adding decorative flair to both linear and curved installations.

The Linear Flex enables creative lighting designs across diverse applications. This versatile solution adapts to complex architectural geometries while delivering precise illumination control for professional lighting installations.

- Flexible Installation Format – Adapts to both linear runs and complex curved architectural geometries
- Individual Pixel Control – SPI technology enables precise, programmable lighting effects per LED segment



Specifications

General	
Power Consumption (W/m)	32
Input Voltage (V DC)	24
LEDs (/m)	32
LED Pitch (mm)	30
Pixels (/m)	8
Channels (/m)	24
Flicker Frequency (kHz)	1
LED Type	Discrete
Color Range	White
CRI	≥80 (Custom on Request)
Control ¹	SPI
Dimming	16 bit

¹ DiGidot controller is available for compatible IC types.

Installation Conditions & Lighting Data		
Maximum Run Length Power ² (m)	10	
Maximum Run Length Data ² (m)	47	@30fps
	31	@50fps
Maximum Leader Cable Length ² (m)	Up to 20	
Delivered Lumen Full White (lm)		
Lumen Maintenance Calculated Hours (h)	L70B10 50,000	

² More details can be found in the Installation Guide document.

Operating	
Environment	Outdoor
Storage Temperature (°C)	-40 to +85
Working Temperature (°C)	-20 to +65
Saltwater Resistant	Yes
UV Resistant	Yes
Flame Resistant	Yes
IK Rating	IK07
IP Rating	IP67
Certification	CE, RoHS, ETL
Warranty	5 Years

Physical	
Housing Material	Aluminum (ACD12)
Cover Material	Tempered Glass
Connector Material	Nylon (PA66)
Housing Color	White (Custom on Request)
Cable Color	Black
Connector Type	M12 3Pin
Weight (kg/m)	1,7
Dimensions WxH (mm)	29 x 37
Length (mm)	1000 (Customizable per 125)

Options

Color/CCT	
☐ 2700K	☐ 5000K
☐ 3000K	☐ 5700K
☐ 4000K	☐ 6500K

Accessories
☐ Top Hat

Optics
☐ 25°
☐ 35°
☐ 45°
☐ 20°x45°

Lighting Specifications

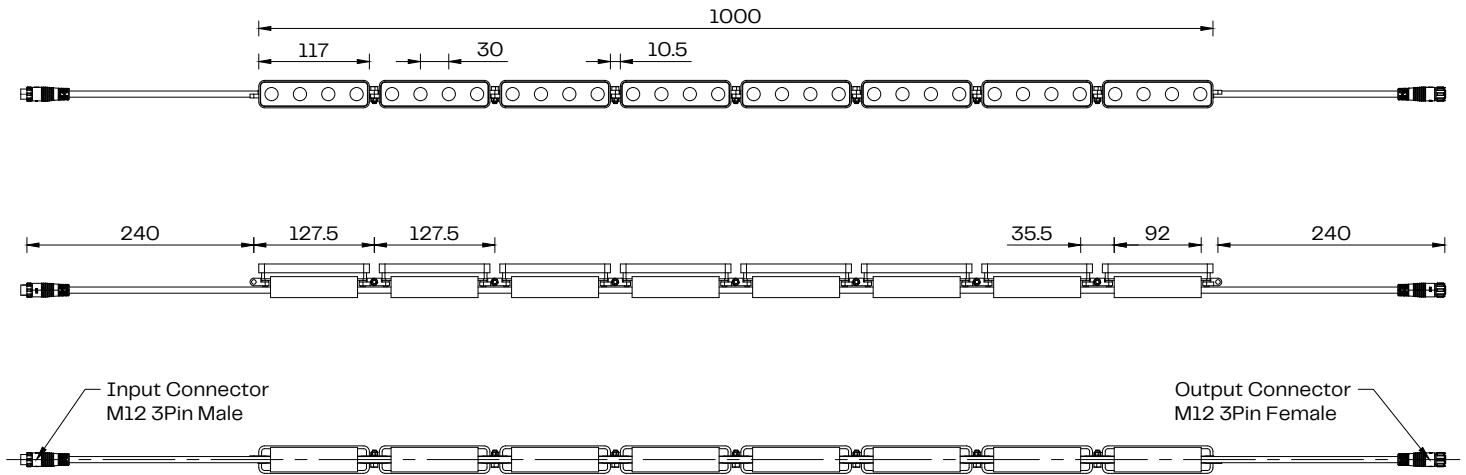
Linear Flex

	Full White (mm)
2700K 25°	
2700K 35°	
2700K 45°	
2700K 20°x45°	
3000K 25°	
3000K 35°	
3000K 45°	
3000K 20°x45°	
4000K 25°	
4000K 35°	
4000K 45°	
4000K 20°x45°	
5000K 25°	
5000K 35°	
5000K 45°	
5000K 20°x45°	
5700K 25°	
5700K 35°	
5700K 45°	
5700K 20°x45°	
6500K 25°	
6500K 35°	
6500K 45°	
6500K 20°x45°	

Photometric Distribution

Dimensions

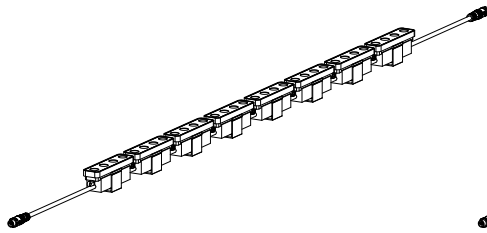
Linear Flex White¹



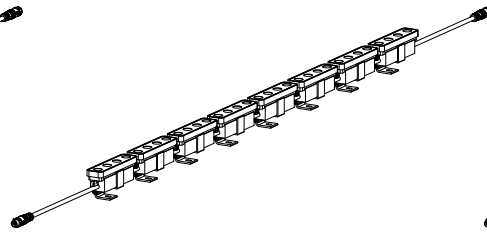
¹ The dimensions shown are not to scale. Please refer to the Dimensions Sheet document for additional dimensions.

Accessory Options

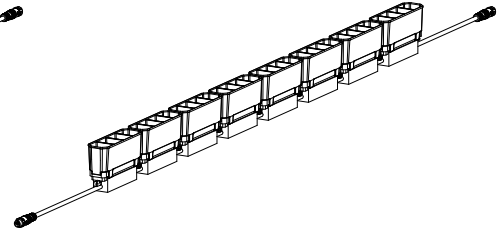
Linear Flex Mounting Clip



Linear Flex Angle Mounting Clip

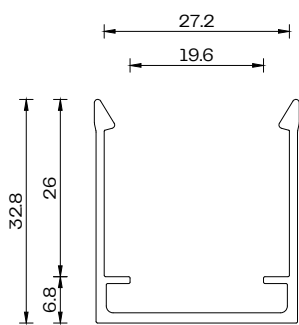


Linear Flex Top Head

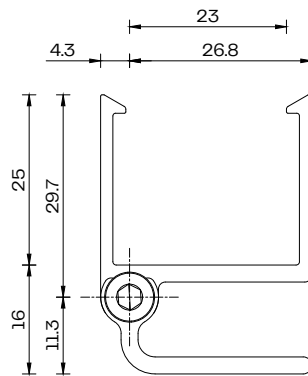


Profile Specification

Mounting Clip¹



Angle Mounting Clip²



Physical

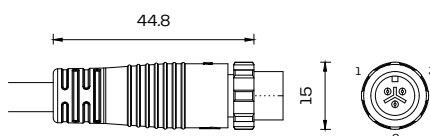
Profile Material	Aluminum Alloy 6063
Aluminum Profile Finish	Blank Anodized

¹The dimensions shown are not to scale. Please refer to the Accessories Dimensions Sheet document for additional dimensions.

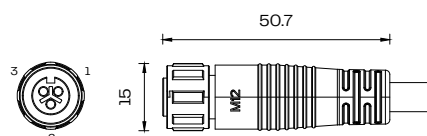
²The Linear Flex includes the Angle Mounting Clip. Mounting Clip is available upon request.

Connection

M12 Male Connector



M12 Female Connector



Connector Pin

Pin 1	Red	24 V+
Pin 2	Green	Data
Pin 3	Black	GND

Product References

Linear Flex

Reference	Description
3452451	Linear Flex 2700K 25°
3452457	Linear Flex 2700K 35°
3452463	Linear Flex 2700K 45°
3452469	Linear Flex 2700K 20°x45°
3452452	Linear Flex 3000K 25°
3452458	Linear Flex 3000K 35°
3452464	Linear Flex 3000K 45°
3452470	Linear Flex 3000K 20°x45°
3452453	Linear Flex 4000K 25°
3452459	Linear Flex 4000K 35°
3452465	Linear Flex 4000K 45°
3452471	Linear Flex 4000K 20°x45°
3452454	Linear Flex 5000K 25°
3452460	Linear Flex 5000K 35°
3452466	Linear Flex 5000K 45°
3452472	Linear Flex 5000K 20°x45°
3452455	Linear Flex 5700K 25°
3452461	Linear Flex 5700K 35°
3452467	Linear Flex 5700K 45°
3452473	Linear Flex 5700K 20°x45°
3452456	Linear Flex 6500K 25°
3452462	Linear Flex 6500K 35°
3452468	Linear Flex 6500K 45°
3452474	Linear Flex 6500K 20°x45°

Accessories

Reference	Description
	Top Hat
	Mounting Clip
	Angle Mounting Clip