

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



CE

RoHS

IP67

IK07

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	Tunable White
CRI	≥80 (Custom on Request)
Control	SPI
Dimming	16 bit

Installation Conditions & Lighting Data		
Maximum Run Length Power ¹ (m)	10	
Maximum Run Length Data ¹ (m)	@30fps	47
	@50fps	31
Maximum Leader Cable Length ¹ (m)	Up to 20	
Delivered Lumen Full White (lm)		
Lumen Maintenance Calculated Hours (h)	L70B10 50,000	

¹More 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-4000K	☐ 3000K-6000K
☐ 2700K-6500K	☐ 4000K-6500K
☐ 3000K-5000K	

Accessories
☐ Top Hat

Optics
☐ 25°
☐ 35°
☐ 45°
☐ 20°x45°

Lighting Specifications

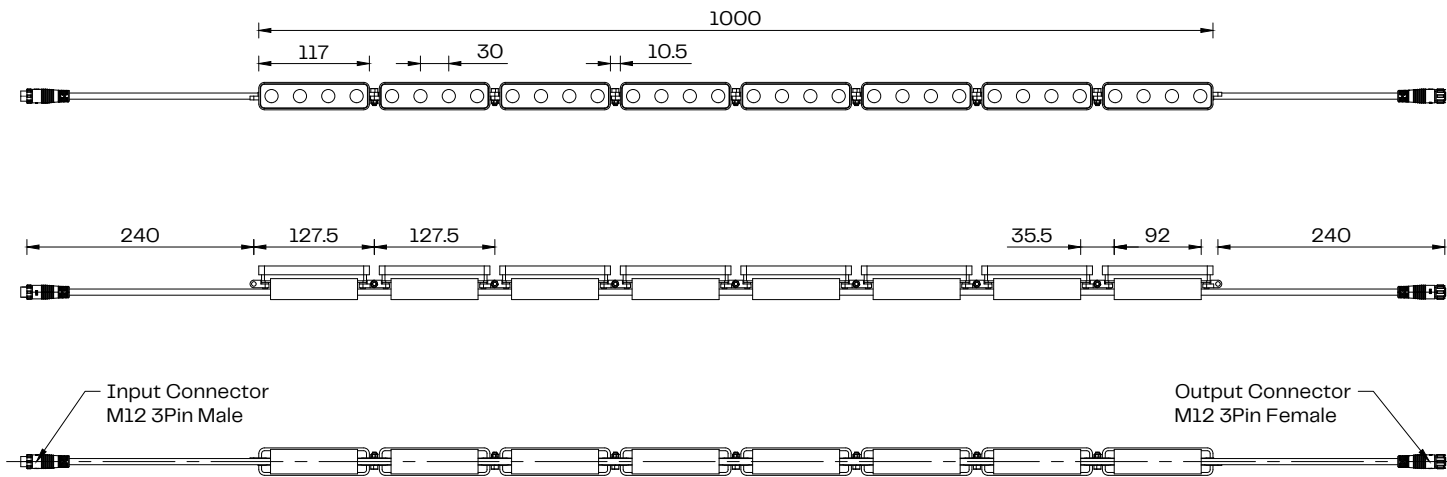
Linear Flex

	Full White (lm/m)	Warm White (lm/m)	Cold White (lm/m)
Tunable White 2700-4000K 25°			
Tunable White 2700-4000K 35°			
Tunable White 2700-4000K 45°			
Tunable White 2700-4000K 20°x45°			
Tunable White 3000-5000K 25°			
Tunable White 3000-5000K 35°			
Tunable White 3000-5000K 45°			
Tunable White 3000-5000K 20°x45°			
Tunable White 2700-6500K 25°			
Tunable White 2700-6500K 35°			
Tunable White 2700-6500K 45°			
Tunable White 2700-6500K 20°x45°			
Tunable White 3000-6000K 25°			
Tunable White 3000-6000K 35°			
Tunable White 3000-6000K 45°			
Tunable White 3000-6000K 20°x45°			
Tunable White 4000-6500K 25°			
Tunable White 4000-6500K 35°			
Tunable White 4000-6500K 45°			
Tunable White 4000-6500K 20°x45°			

Photometric Distribution

Dimensions

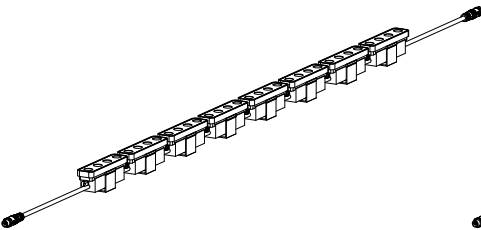
Linear Flex Tunable White¹



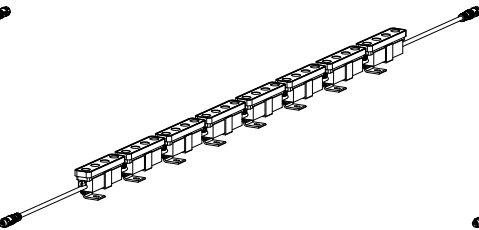
¹ The dimensions shown are not to scale. Please refer to the Dimensions Sheet document for additional dimensions.

Accessory Options

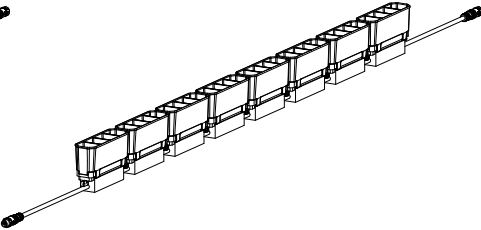
Linear Flex Mounting Clip



Linear Flex Angle Mounting Clip

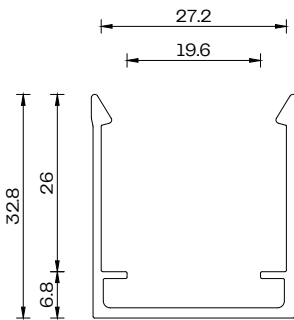


Linear Flex Top Head

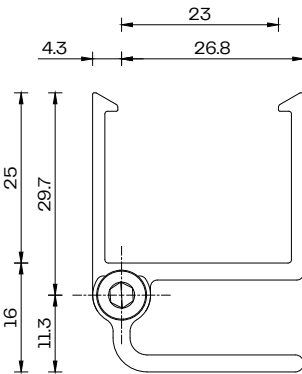


Profile Specification

Mounting Clip¹



Angle Mounting Clip²



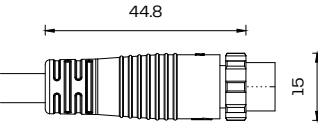
Physical

Profile Material	Aluminum Alloy 6063
Aluminum Profile Finish	Blank Anodized

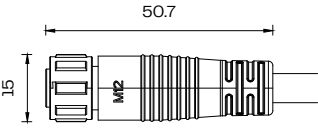
¹ The dimensions shown are not to scale. Please refer to the Accessories Dimensions Sheet document for additional dimensions.
² The Linear Flex includes the Angle Mounting Clip. Mounting Clip is available upon request.

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
3452421	Linear Flex Tunable White 2700-4000K 25°
3452426	Linear Flex Tunable White 2700-4000K 35°
3452431	Linear Flex Tunable White 2700-4000K 45°
3452436	Linear Flex Tunable White 2700-4000K 20°x45°
3452422	Linear Flex Tunable White 3000-5000K 25°
3452427	Linear Flex Tunable White 3000-5000K 35°
3452432	Linear Flex Tunable White 3000-5000K 45°
3452437	Linear Flex Tunable White 3000-5000K 20°x45°
3452423	Linear Flex Tunable White 2700-6500K 25°
3452428	Linear Flex Tunable White 2700-6500K 35°
3452433	Linear Flex Tunable White 2700-6500K 45°
3452438	Linear Flex Tunable White 2700-6500K 20°x45°
3452424	Linear Flex Tunable White 3000-6000K 25°
3452429	Linear Flex Tunable White 3000-6000K 35°
3452434	Linear Flex Tunable White 3000-6000K 45°
3452439	Linear Flex Tunable White 3000-6000K 20°x45°
3452425	Linear Flex Tunable White 4000-6500K 25°
3452430	Linear Flex Tunable White 4000-6500K 35°
3452435	Linear Flex Tunable White 4000-6500K 45°
3452440	Linear Flex Tunable White 4000-6500K 20°x45°

Accessories

Reference	Description
	Top Hat
	Mounting Clip
	Angle Mounting Clip