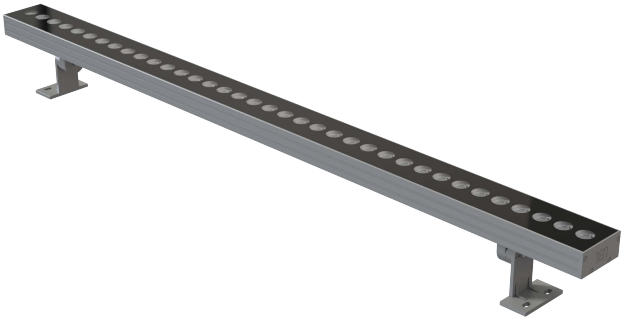
Linear G100 White

The Linear G100 White delivers uniform illumination for outdoor architectural applications requiring fixed-temperature lighting, making it ideal for continuous facade grazing, washing, building perimeter lighting and landscape architectural features where consistent light quality and minimal maintenance are essential in exposed outdoor environments.

It is available in 2700K, 3000K, 4000K, 5000K. With a wide range of beam angle options (12° to 60°) and specialized asymmetric distributions, the Linear G100 provides exceptional optical versatility for lighting designers while maintaining architectural consistency.

↘ Long-Run Performance – Engineered for extended lighting runs with reliable DMX (RDM) or PxLNet control.

↘ Pixel-Precision Control – 4 pixels per meter enabling smooth color transitions, dynamic effects, and precise architectural lighting design.



CE RoHS IP67 IK09

Specifications

General

Power Consumption (W/m)	100
Input Voltage (V DC)	48
LEDs (/m)	36
LED Pitch (mm)	27,7
Delivered Lumens (/m)	7640
Pixels (/m)	4
Flicker Frequency (kHz)	16
LED Type	SMD3030
Channels (/m)	12
Color Range	Single Color
CRI	≥80 (Custom on request)
Control	DMX (RDM)/ PxLNet
Dimming	16 Bit

Installation conditions & Lighting Data

Maximum Run Length (m)	Single Feed	3
Maximum Run Length DMX(RDM) (m)	@45fps	42
Maximum Run Length PxLNet (m)	@40fps	170
	@60fps	85
Lumen Maintenance Calculated Hours (h)	L80B10 50,000	

Operating

Environment	Outdoor
Storage Temperature (°C)	-30 to +70
Working Temperature (°C)	-25 to +65
Saltwater Resistant	Yes
Coastal Environmental Proof	Yes
UV Resistant	Yes
Flame Resistant	Yes
IK Rating	IK09
IP Rating	IP67
Certification	CE, RoHS
Limited Warranty	5 Years

Physical

Housing Material	Aluminium (AA6063)
Cover Material	Tempered Glass
Connector Material	Nylon (PA66)
Housing Color	Grey RAL7047 (Custom on Request)
Cable Color	Black
Connector Type	M16 5Pin
Weight (kg/m)	3,6
Dimensions WxH (mm)	67,5 x 103
Standard Length (mm)	500, 750, 1000

Options

Color/CCT

- ☐ 2700K
- ☐ 3000K
- ☐ 4000K
- ☐ 5000K

Accessories

- ☐ Glare Shield
- ☐ Half Glare Shield
- ☐ Quarter Glare Shield
- ☐ Honeycomb

Optics

- ☐ 12°
- ☐ 15°
- ☐ 25°
- ☐ 45°
- ☐ 60°
- ☐ 12°x22°
- ☐ 15°x40°
- ☐ 30°x60°

Control

- ☐ DMX (RDM)
- ☐ PxLNet

Lighting Specifications

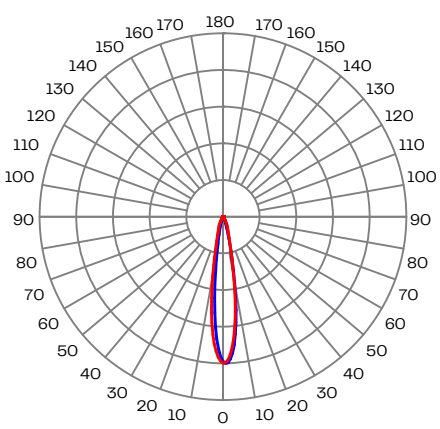
Linear G100

	Full White (lm/m)
2700K 12°	6787
2700K 15°	6719
2700K 25°	6855
2700K 45°	6312
2700K 60°	6186
2700K 12°x22°	6993
2700K 15°x40°	6923
2700K 30°x60°	6646
3000K 12°	6923
3000K 15°	6854
3000K 25°	6992
3000K 45°	6438
3000K 60°	6309
3000K 12°x22°	7133
3000K 15°x40°	7062
3000K 30°x60°	6779

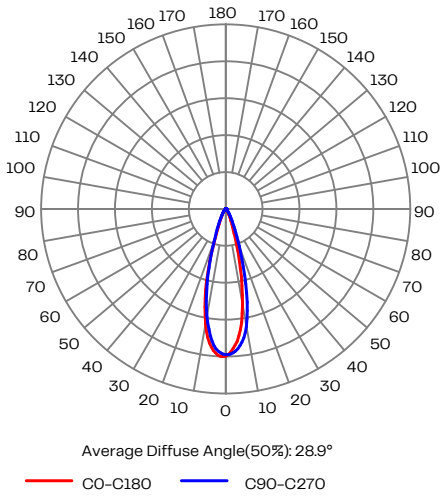
	Full White (lm/m)
4000K 12°	7200
4000K 15°	7128
4000K 25°	7272
4000K 45°	6696
4000K 60°	6562
4000K 12°x22°	7418
4000K 15°x40°	7344
4000K 30°x60°	7051
5000K 12°	7416
5000K 15°	7341
5000K 25°	7490
5000K 45°	6897
5000K 60°	6759
5000K 12°x22°	7640
5000K 15°x40°	7565
5000K 30°x60°	7262

Photometric Distribution

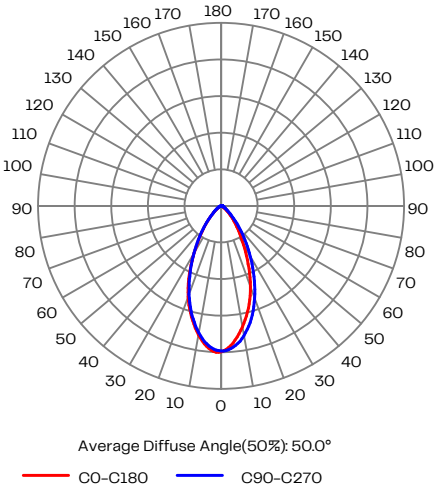
15°



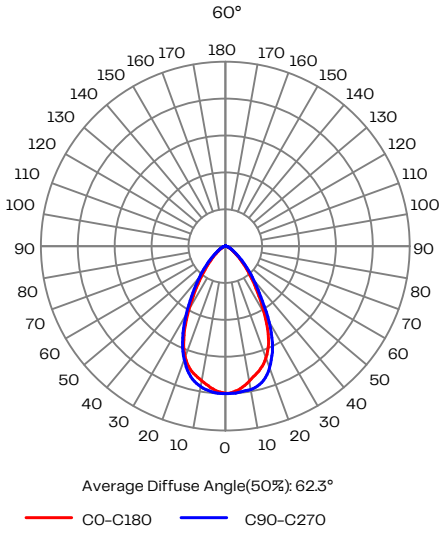
25°



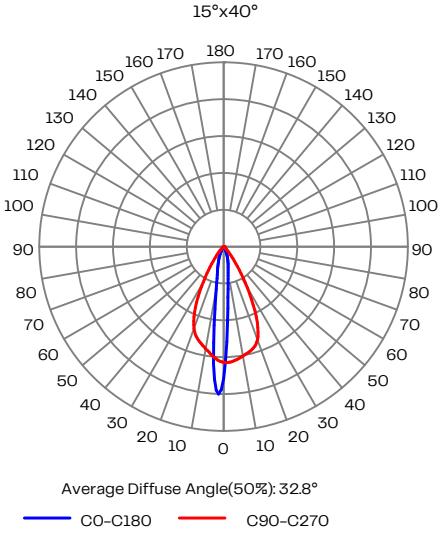
45°



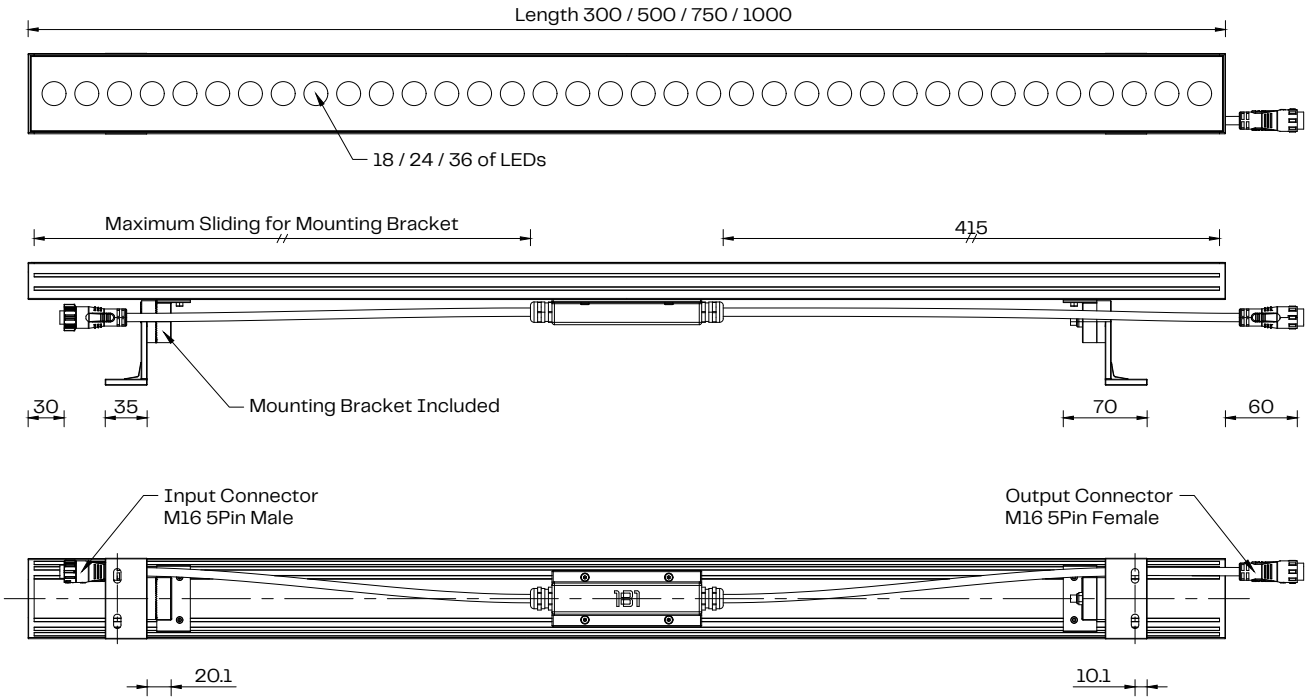
60°



15°x40°



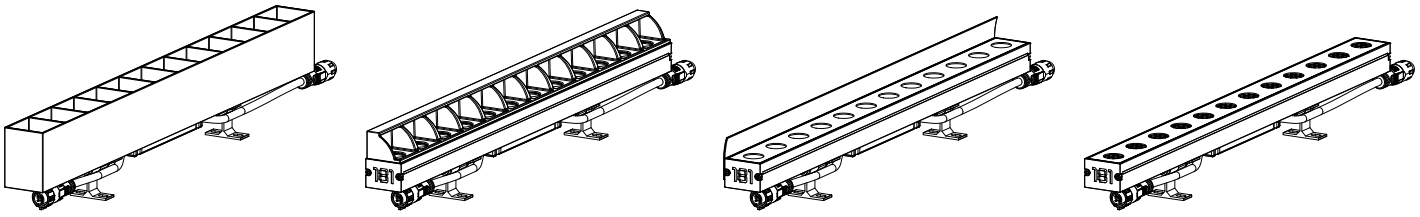
Dimensions



Linear G100 Single Color

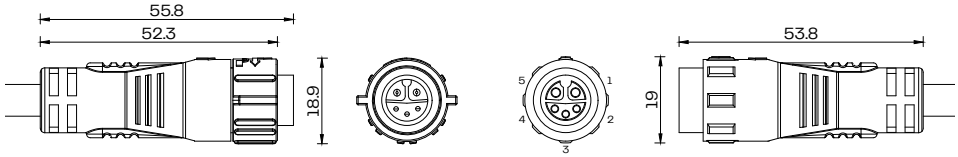
*The dimensions shown are not to scale. Please refer to the Dimension Sheet V2 document for additional dimensions.

Accessories Options



Glare Shield | Half Glare Shield | Quarter Glare Shield | Honeycomb

Connection



M16 Male Connector | M16 Female Connector

Connector Pin

Pin 1	Red	48 V+
Pin 2	Green	Data +
Pin 3	White	Program
Pin 4	Yellow	Data -
Pin 5	Black	GND

Product References

Linear G100

Reference	Description
3452151	Linear G100 2700K 12° 1000
3452155	Linear G100 2700K 15° 1000
3452159	Linear G100 2700K 25° 1000
3452163	Linear G100 2700K 45° 1000
3452167	Linear G100 2700K 60° 1000
3452171	Linear G100 2700K 12°x22° 1000
3452175	Linear G100 2700K 15°x40° 1000
3452179	Linear G100 2700K 30°x60° 1000
3452152	Linear G100 3000K 12° 1000
3452156	Linear G100 3000K 15° 1000
3452160	Linear G100 3000K 25° 1000
3452164	Linear G100 3000K 45° 1000
3452168	Linear G100 3000K 60° 1000
3452172	Linear G100 3000K 12°x22° 1000
3452176	Linear G100 3000K 15°x40° 1000
3452180	Linear G100 3000K 30°x60° 1000
3452153	Linear G100 4000K 12° 1000
3452157	Linear G100 4000K 15° 1000
3452161	Linear G100 4000K 25° 1000
3452165	Linear G100 4000K 45° 1000
3452169	Linear G100 4000K 60° 1000
3452173	Linear G100 4000K 12°x22° 1000
3452177	Linear G100 4000K 15°x40° 1000
3452181	Linear G100 4000K 30°x60° 1000
3452154	Linear G100 5000K 12° 1000
3452158	Linear G100 5000K 15° 1000
3452162	Linear G100 5000K 25° 1000
3452166	Linear G100 5000K 45° 1000
3452170	Linear G100 5000K 60° 1000
3452174	Linear G100 5000K 12°x22° 1000
3452178	Linear G100 5000K 15°x40° 1000
3452182	Linear G100 5000K 30°x60° 1000

Accessories

Reference	Description
3990965	Glare Shield
3990960	Half Glare Shield
3990955	Quarter Glare Shield
3990970	Honeycomb