Linear G100 Tunable White

The Linear G100 Tunable White delivers control for outdoor environments requiring adaptive white light. This robust fixture is ideal for grazing and washing applications and offers smooth CCT transitions from warm 1800K to cool 6000K, making it ideal for public plazas, building exteriors, and hospitality areas where tunable white technology supports both human comfort and architectural enhancement in weather-exposed installations.

Combined with a range of beam angles from 15° to 60° and specialized asymmetric distribution options, the Linear G100 Tunable White offers exceptional optical versatility for lighting designers while maintaining consistent architectural appeal.

↘ 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   IK08

Specifications

General

Power Consumption (W/m)	100
Input Voltage (V DC)	48
LEDs (/m)	36
LED Pitch (mm)	27,7
Delivered Lumens (/m)	6916
Pixels (/m)	4
Flicker Frequency (kHz)	16
LED Type	2in1
Channels (/m)	12
Color Range	Tunable White
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	IK08
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

☐ 1800K–6000K
☐ 2700K–6000K

Accessories

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

Optics

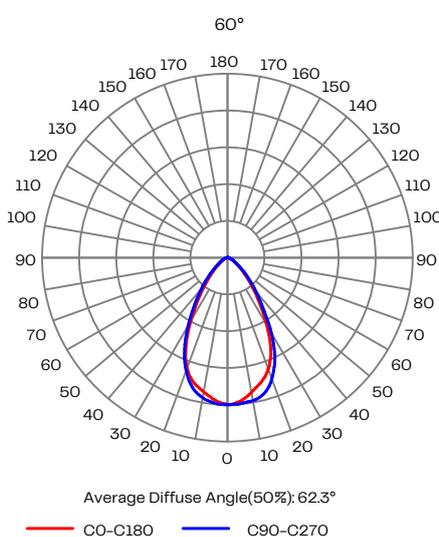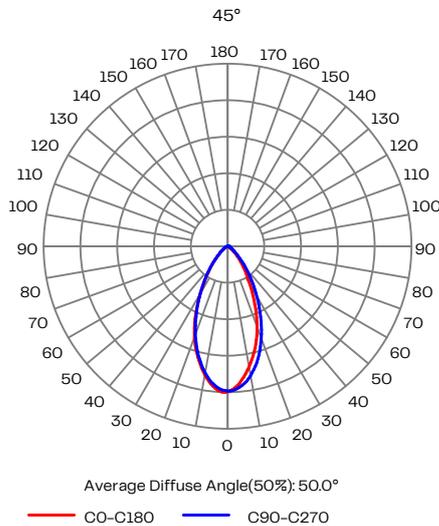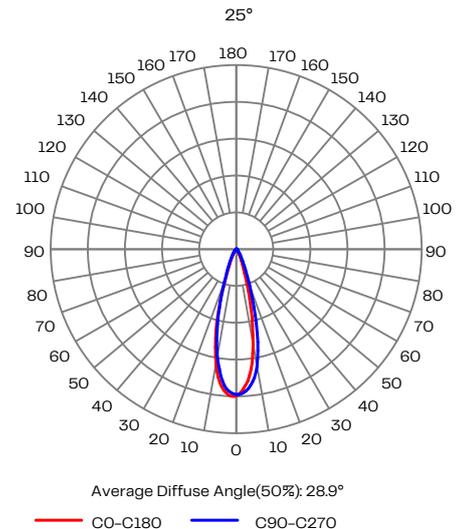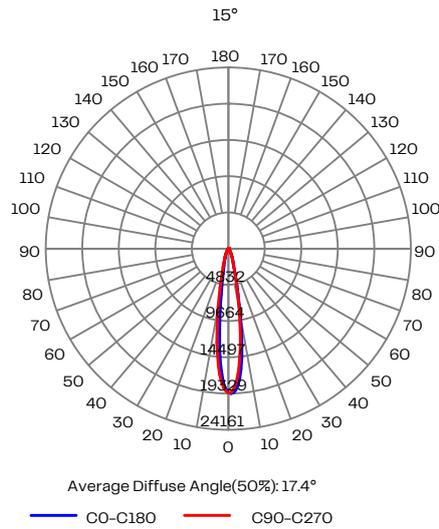☐ 15°   ☐ 60°
☐ 25°   ☐ 20°x40°
☐ 45°

Control

☐ DMX (RDM)
☐ PxLNet

Lighting Specifications

Linear G100

	Full White (lm/m)	Warm White (lm/m)	Cold White (lm/m)
Tunable White 1800–6000K 15°	6644	4736	4881
Tunable White 1800–6000K 25°	6711	4784	4931
Tunable White 1800–6000K 45°	6778	4832	4980
Tunable White 1800–6000K 60°	6577	4688	4832
Tunable White 1800–6000K 20°x40°	6375	4545	4684
Tunable White 2700–6000K 15°	6780	4833	4981
Tunable White 2700–6000K 25°	6848	4882	5031
Tunable White 2700–6000K 45°	6916	4931	5081
Tunable White 2700–6000K 60°	6711	4784	4931
Tunable White 2700–6000K 20°x40°	6506	4638	4780

Photometric Distribution

20°x40°

Average Diffuse Angle(50%): 27.1°

C0–C180   C90–C270

15°

Average Diffuse Angle(50%): 17.4°

C0–C180   C90–C270

25°

Average Diffuse Angle(50%): 28.9°

C0–C180   C90–C270

45°

Average Diffuse Angle(50%): 50.0°

C0–C180   C90–C270

60°

Average Diffuse Angle(50%): 62.3°

C0–C180   C90–C270

Dimensions

Length 500 / 750 / 1000

18 / 24 / 36 of LEDs

Maximum Sliding for Mounting Bracket

415

Mounting Bracket Included

30   35   70   60

Input Connector
M16 5Pin Male

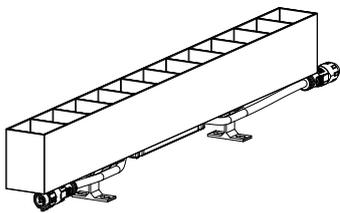Output Connector
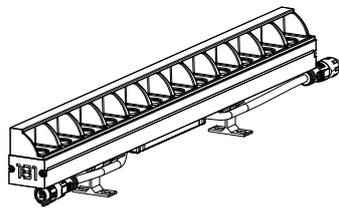M16 5Pin Female

20.1   10.1

Linear G100 Tunable White

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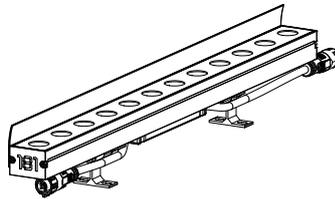
Accessories Options

Glare Shield
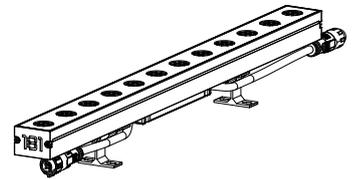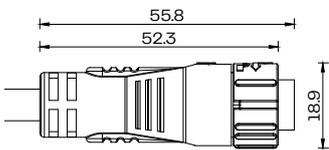
Half Glare Shield

Quarter Glare Shield

Honeycomb

Connection

55.8

52.3

18.9

M16 Male Connector

53.8

19
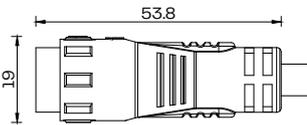
M16 Female Connector

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 G

Reference	Description
3452256	Linear G100 Tunable White 1800–6000K 15° 1000
3452257	Linear G100 Tunable White 1800–6000K 25° 1000
3452258	Linear G100 Tunable White 1800–6000K 45° 1000
3452259	Linear G100 Tunable White 1800–6000K 60° 1000
3452260	Linear G100 Tunable White 1800–6000K 20°x40° 1000
3452251	Linear G100 Tunable White 2700–6000K 15° 1000
3452252	Linear G100 Tunable White 2700–6000K 25° 1000
3452253	Linear G100 Tunable White 2700–6000K 45° 1000
3452254	Linear G100 Tunable White 2700–6000K 60° 1000
3452255	Linear G100 Tunable White 2700–6000K 20°x40° 1000

Accessories

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