Linear G100 Multi Color RGBW

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The Linear G100 RGBW offers dynamic color control for outdoor architectural applications such as façade grazing and washing, accent lighting, and landscape features. This weatherproof fixture combines full-spectrum RGB with white channels (2700K–5000K), ideal for commercial exteriors, hospitality, and public spaces.

With beam angle options from precise 25° accent lighting to broad 60° facade washes plus specialized asymmetric 20°×40° distribution, it delivers precise optical control for sophisticated lighting schemes requiring seamless color transitions.

↘ 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)	6565 (G 25°)
Pixels (/m)	4
Flicker Frequency (kHz)	16
LED Type	4in1
Channels (/m)	16
Color Range	RGBW
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	32
Maximum Run Length PxLNet (m)	@40fps	128
	@60fps	64
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

- [ ] RGBW2700K
- [ ] RGBW3000K
- [ ] RGBW4000K
- [ ] RGBW5000K

Accessories

- [ ] Glare Shield
- [ ] Half Glare Shield
- [ ] Quarter Glare Shield
- [ ] Honeycomb

Optics

- [ ] 25°
- [ ] 45°
- [ ] 60°
- [ ] 20°x40°

Control

- [ ] DMX (RDM)
- [ ] PxLNet

Lighting Specifications

Linear G100

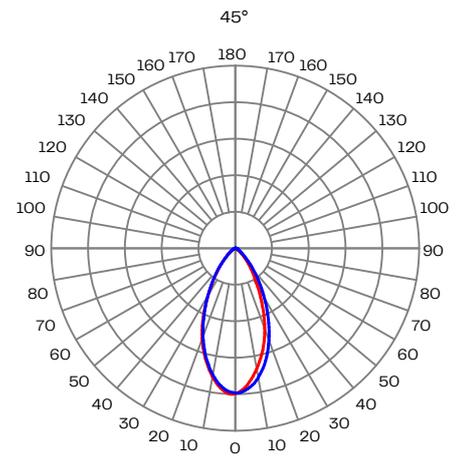|	Full White (lm/m)	Red (lm/m)	Green (lm/m)	Blue (lm/m)	White (lm/m)
RGBW2700K 25°	6476	2787	6125	1626	4588
RGBW2700K 45°	6412	2760	6064	1610	4542
RGBW2700K 60°	6220	2677	5882	1562	4406
RGBW2700K 20°x40°	6605	2842	6246	1658	4679
RGBW3000K 25°	6608	2844	6250	1659	4681
RGBW3000K 45°	6543	2816	6188	1643	4635
RGBW3000K 60°	6347	2732	6002	1594	4496
RGBW3000K 20°x40°	6739	2900	6374	1692	4774
RGBW4000K 25°	6873	2958	6500	1726	4869
RGBW4000K 45°	6805	2929	6436	1709	4820
RGBW4000K 60°	6601	2841	6242	1657	4676
RGBW4000K 20°x40°	7009	3016	6629	1760	4965
RGBW5000K 25°	6941	2988	6565	1743	4917
RGBW5000K 45°	6873	2958	6500	1726	4869
RGBW5000K 60°	6667	2869	6305	1674	4723
RGBW5000K 20°x40°	7079	3047	6695	1778	5015

Photometric Distribution

20°x40°
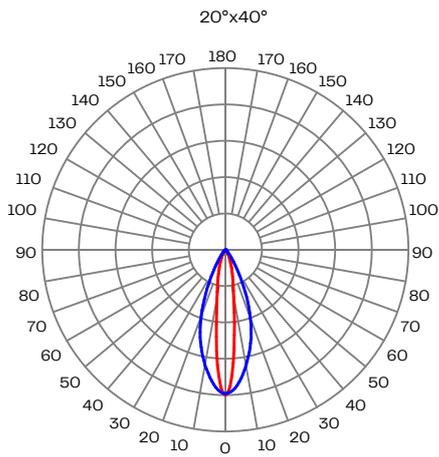
Average Diffuse Angle(50%): 27.1°

C0–C180   C90–C270
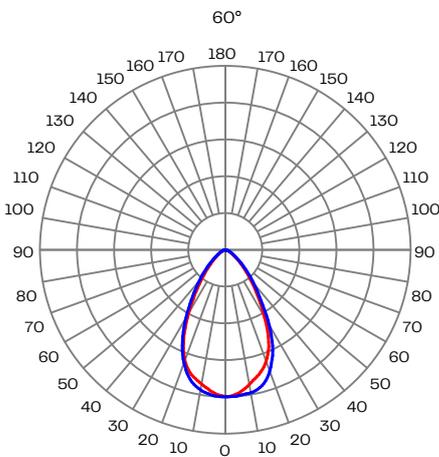
25°
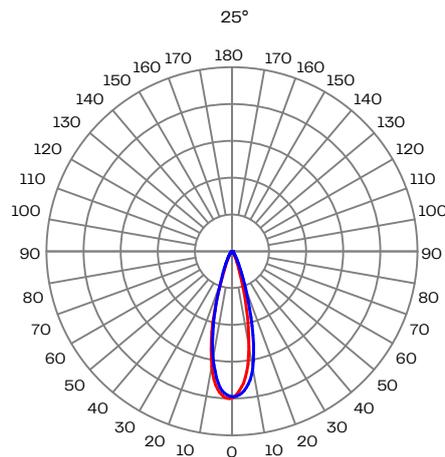
Average Diffuse Angle(50%): 28.9°

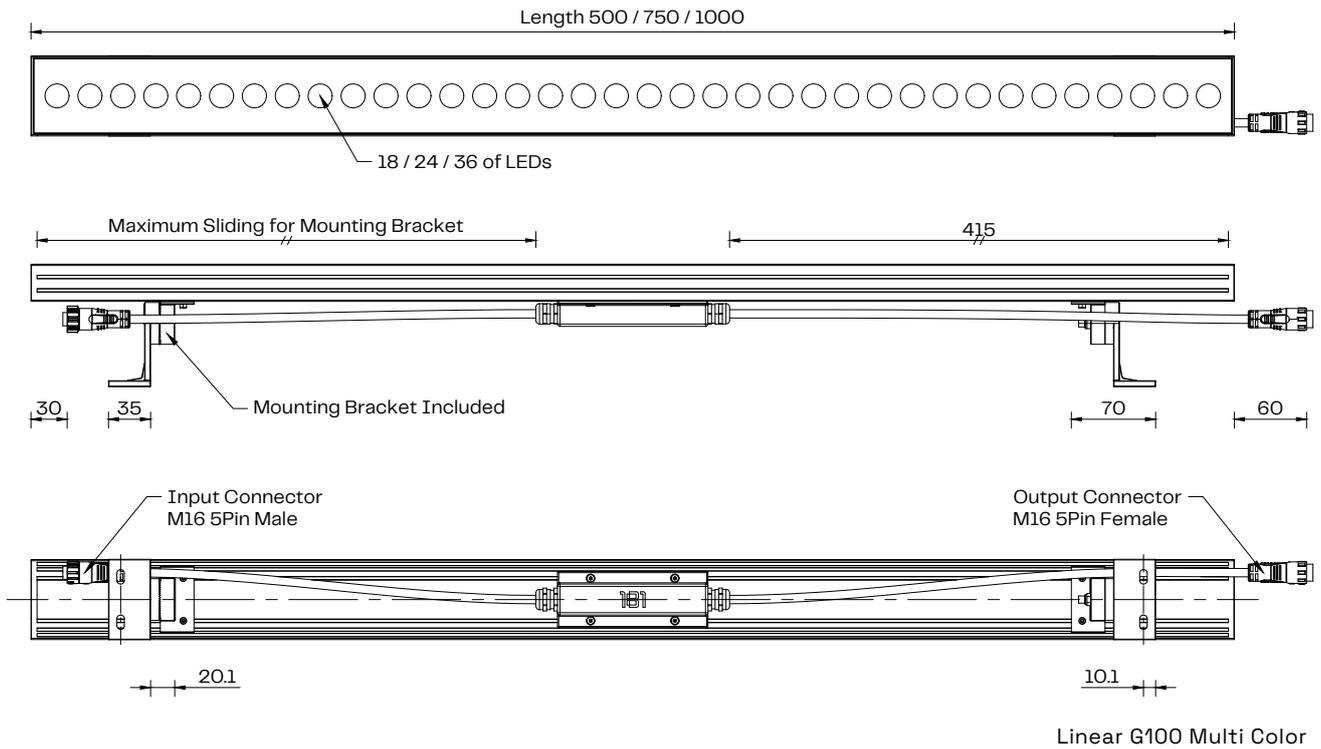C0–C180   C90–C270

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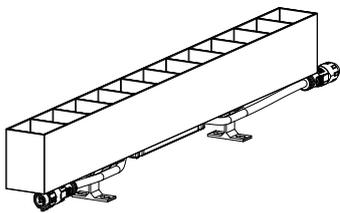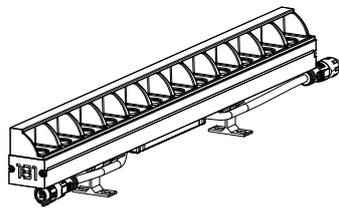
*The dimensions shown are not to scale. Please refer to the Dimension Sheet V2 document for additional dimensions.
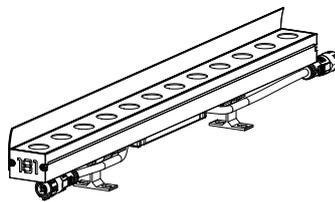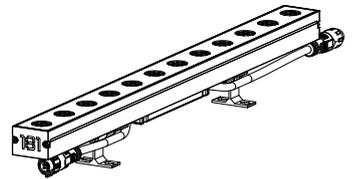
Accessories Options
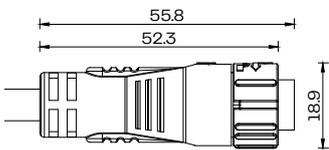
Glare Shield

Half Glare Shield

Quarter Glare Shield

Honeycomb

Connection

55.8
52.3
18.9

M16 Male Connector

53.8
19
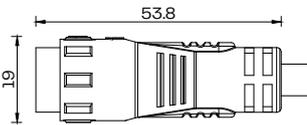
M16 Female Connector

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
3452326	Linear G100 RGBW2700K 25° 1000
3452330	Linear G100 RGBW2700K 45° 1000
3452334	Linear G100 RGBW2700K 60° 1000
3452338	Linear G100 RGBW2700K 20°x40° 1000
3452327	Linear G100 RGBW3000K 25° 1000
3452331	Linear G100 RGBW3000K 45° 1000
3452335	Linear G100 RGBW3000K 60° 1000
3452339	Linear G100 RGBW3000K 20°x40° 1000
3452328	Linear G100 RGBW4000K 25° 1000
3452332	Linear G100 RGBW4000K 45° 1000
3452336	Linear G100 RGBW4000K 60° 1000
3452340	Linear G100 RGBW4000K 20°x40° 1000
3452329	Linear G100 RGBW5000K 25° 1000
3452333	Linear G100 RGBW5000K 45° 1000
3452337	Linear G100 RGBW5000K 60° 1000
3452341	Linear G100 RGBW5000K 20°x40° 1000

Accessories

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