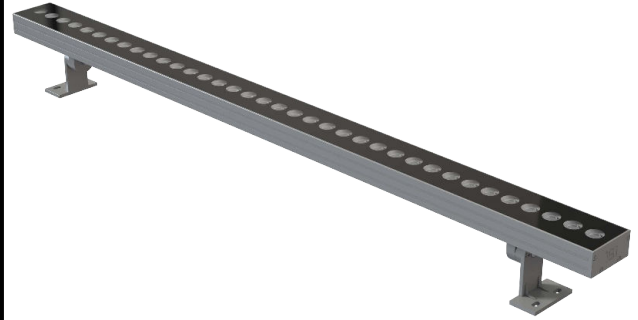


The Linear G100 RGBW offers dynamic color control for outdoor architectural applications such as façade grazing and washing, accent lighting, and landscape features. This weatherproof fixture combines full-spectrum RGB with white channels (2700K–5000K), ideal for commercial exteriors, hospitality, and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

With beam angle options from precise 25° accent lighting to broad 60° facade washes plus specialized asymmetric 20°x40° 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
- Quarter Glare Shield
- Half Glare Shield
- Honeycomb

### Optics

- 25°
- 45°
- 60°
- 20°x40°

### Control

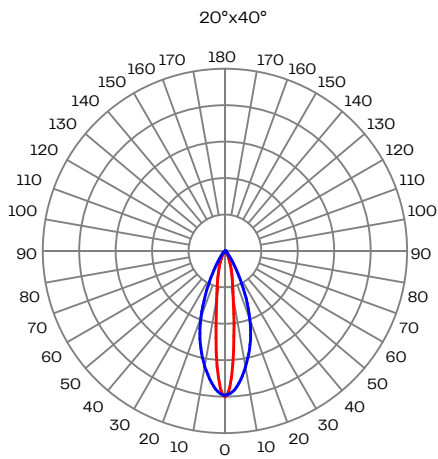
- DMX (RDM)
- PxlNet

# Lighting Specifications

## Linear G100

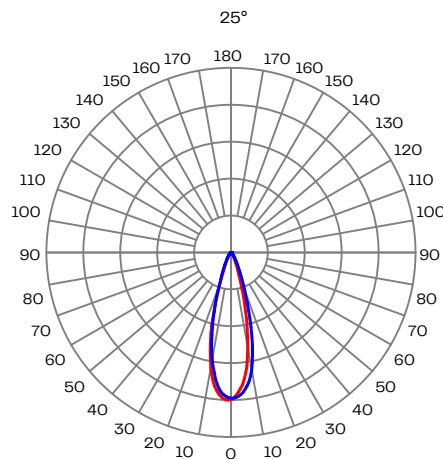
	Full White (lm/m)	Red (lm/m)	Green (lm/m)	Blue (lm/m)	White (lm/m)
RGBW2700K 25°	6476	2787	6125	1626	4588
RGBW2700K 45°	6412	2760	6064	1610	4542
RGBW2700K 60°	6220	2677	5882	1562	4406
RGBW2700K 20°x40°	6605	2842	6246	1658	4679
RGBW3000K 25°	6608	2844	6250	1659	4681
RGBW3000K 45°	6543	2816	6188	1643	4635
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



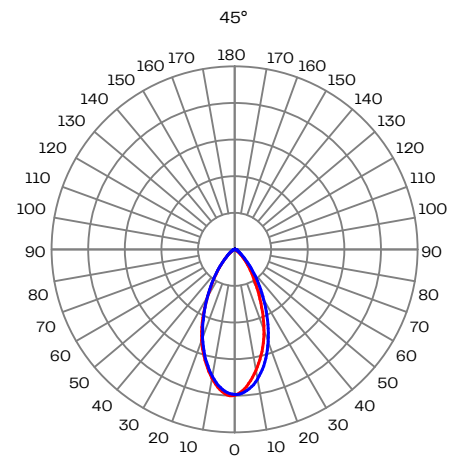
Average Diffuse Angle(50%): 27.1°

— CO-C180 — C90-C270



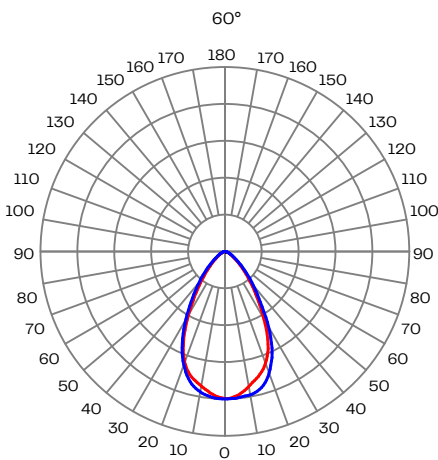
Average Diffuse Angle(50%): 28.9°

— CO-C180 — C90-C270



Average Diffuse Angle(50%): 50.0°

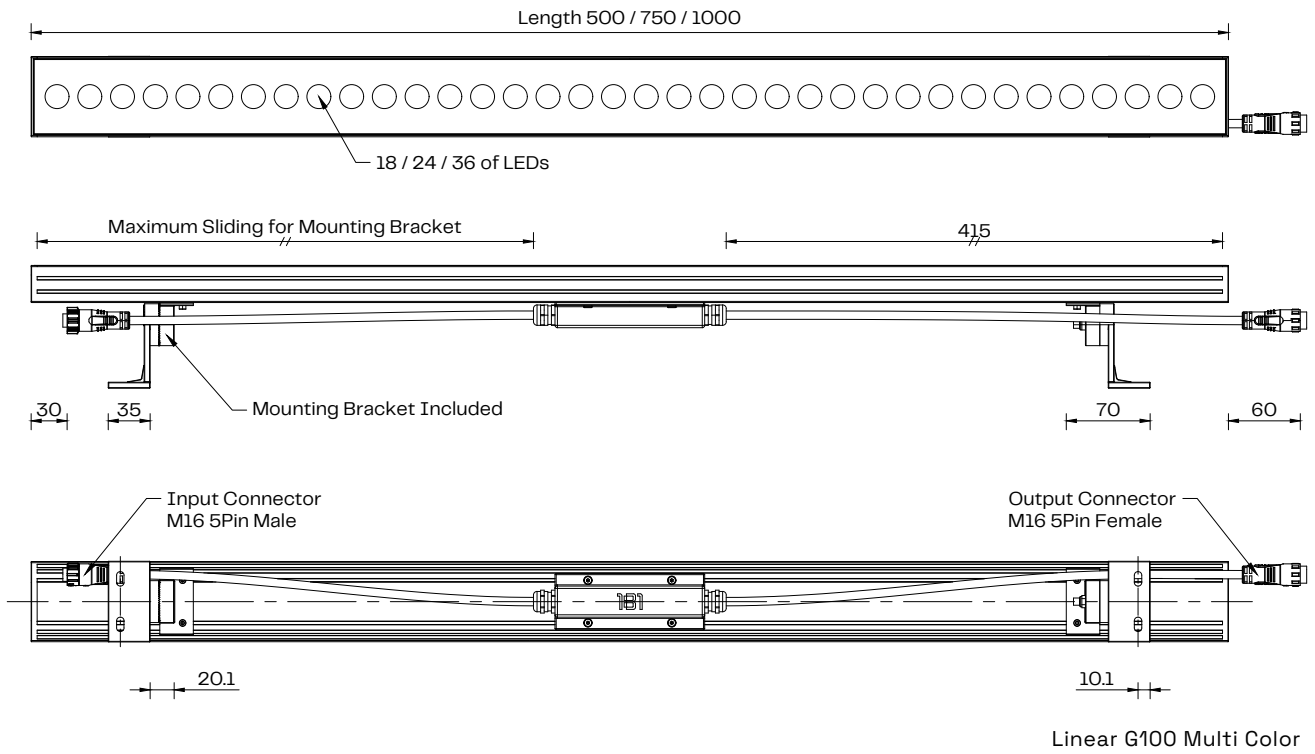
— CO-C180 — C90-C270



Average Diffuse Angle(50%): 62.3°

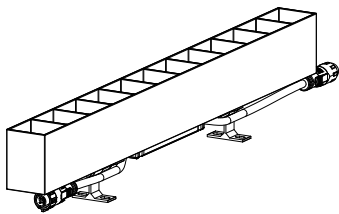
— CO-C180 — C90-C270

# Dimensions

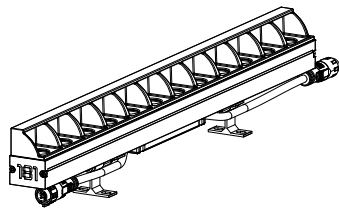


\*The dimensions shown are not to scale. Please refer to the Dimension Sheet V2 document for additional dimensions.

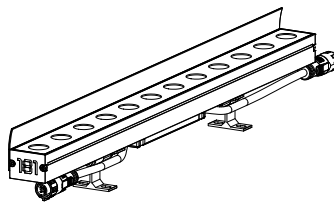
# Accessories Options



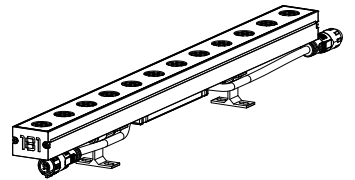
Glare Shield



Half Glare Shield

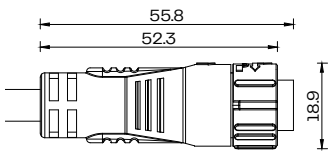


Quarter Glare Shield

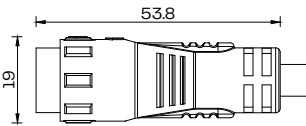
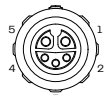


Honeycomb

# 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

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## 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