Linear G36 Multi Color RGBW

The Linear G36 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)	36
Input Voltage (V DC)	48
LEDs (/m)	24
LED Pitch (mm)	41,6
Delivered Lumens (/m)	2295 (G 45°)
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	11
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)	2,1
Dimensions WxH (mm)	42 x 63,7
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 G36

	Full White (lm/m)	Red (lm/m)	Green (lm/m)	Blue (lm/m)	White (lm/m)
RGBW2700K 25°	1939	836	1942	305	1377
RGBW2700K 45°	1959	912	2118	333	1501
RGBW2700K 60°	1913	786	1826	287	1249
RGBW2700K 20°x40°	1745	794	1845	290	1308
RGBW3000K 25°	2020	871	2023	318	1434
RGBW3000K 45°	2040	950	2206	347	1564
RGBW3000K 60°	1993	819	1902	299	1348
RGBW3000K 20°x40°	1818	827	1922	302	1362
RGBW4000K 25°	2101	897	2084	328	1477
RGBW4000K 45°	2122	978	2272	357	1611
RGBW4000K 60°	2073	843	1959	308	1388
RGBW4000K 20°x40°	1891	852	1980	311	1403
RGBW5000K 25°	2185	906	2105	331	1492
RGBW5000K 45°	2207	988	2295	361	1672
RGBW5000K 60°	2156	852	1978	311	1402
RGBW5000K 20°x40°	1966	861	1999	314	1417

Photometric Distribution

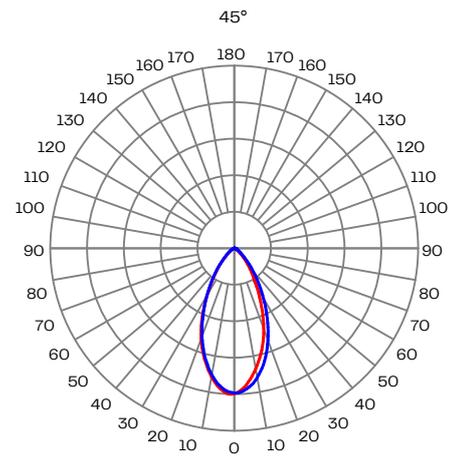### 20°x40°
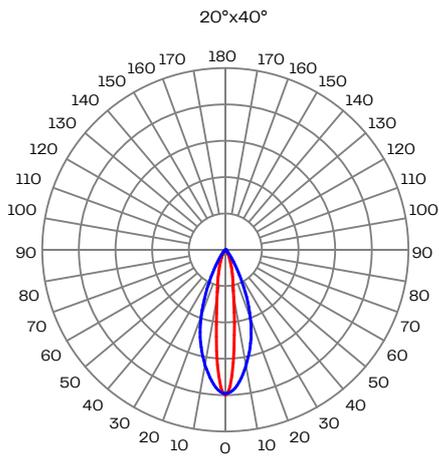
Average Diffuse Angle(50%): 27.1°

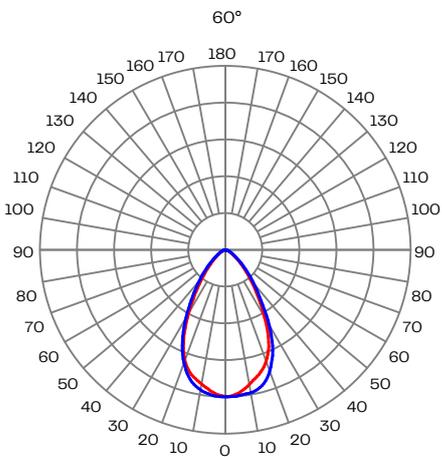— C0–C180   — C90–C270

25°
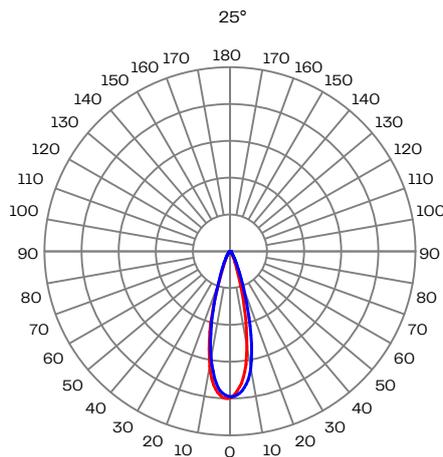
Average Diffuse Angle(50%): 28.9°

— C0–C180   — C90–C270

45°
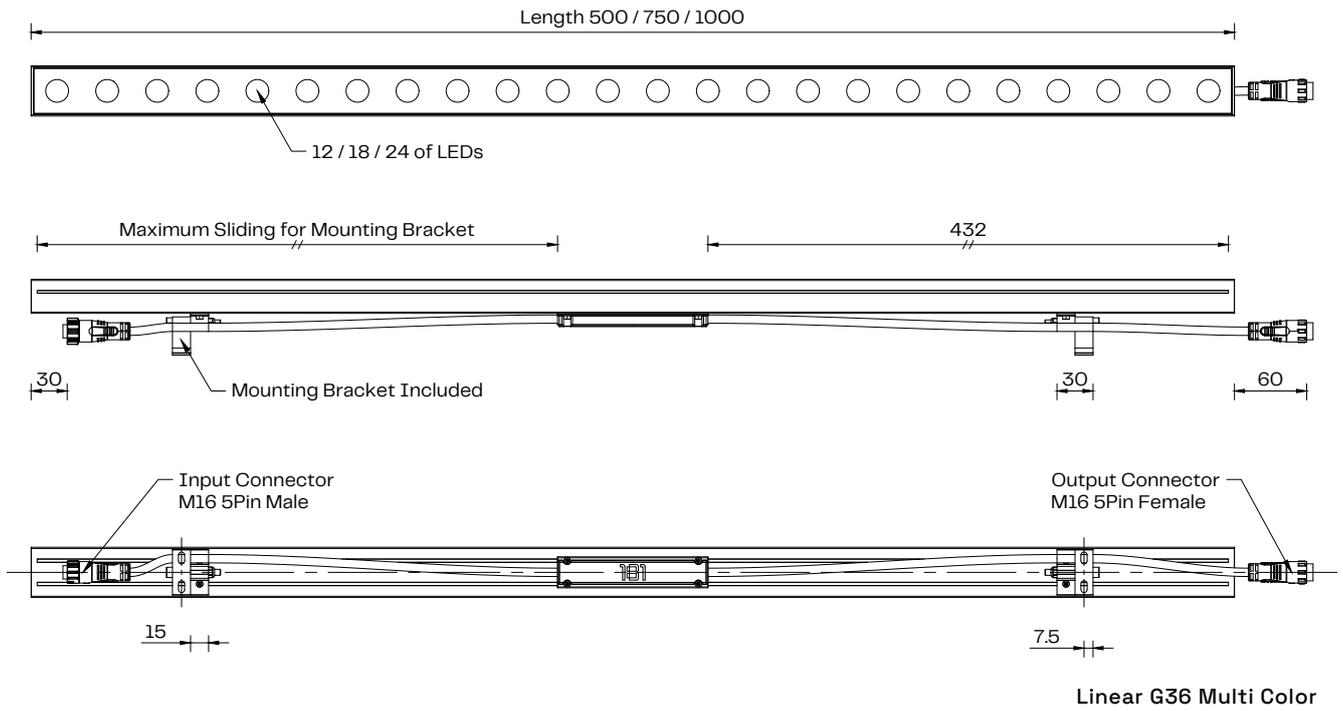

Average Diffuse Angle(50%): 50.0°

— C0–C180   — C90–C270

60°

Average Diffuse Angle(50%): 62.3°

— C0–C180   — C90–C270

Dimensions

Length 500 / 750 / 1000

12 / 18 / 24 of LEDs

Maximum Sliding for Mounting Bracket

432

30

Mounting Bracket Included

30

60

Input Connector
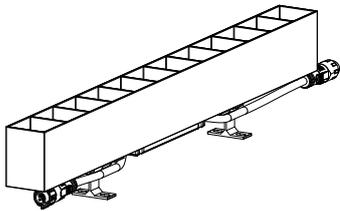M16 5Pin Male

Output Connector
M16 5Pin Female
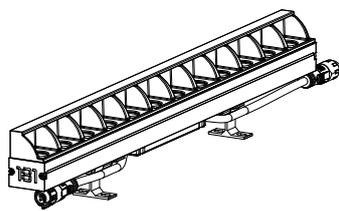
15

7.5

Linear G36 Multi Color

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

Accessories Options

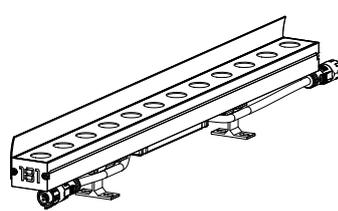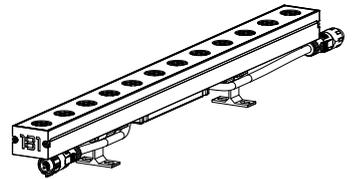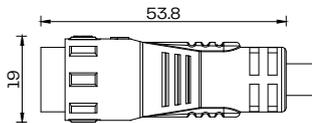Glare Shield

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
3451651	Linear G36 RGBW2700K 25° 1000
3451655	Linear G36 RGBW2700K 45° 1000
3451659	Linear G36 RGBW2700K 60° 1000
3451663	Linear G36 RGBW2700K 20°x40° 1000
3451652	Linear G36 RGBW3000K 25° 1000
3451656	Linear G36 RGBW3000K 45° 1000
3451660	Linear G36 RGBW3000K 60° 1000
3451664	Linear G36 RGBW3000K 20°x40° 1000
3451653	Linear G36 RGBW4000K 25° 1000
3451657	Linear G36 RGBW4000K 45° 1000
3451661	Linear G36 RGBW4000K 60° 1000
3451665	Linear G36 RGBW4000K 20°x40° 1000
3451654	Linear G36 RGBW5000K 25° 1000
3451658	Linear G36 RGBW5000K 45° 1000
3451662	Linear G36 RGBW5000K 60° 1000
3451666	Linear G36 RGBW5000K 20°x40° 1000

Accessories

Reference	Description
3990963	Glare Shield
3990958	Half Glare Shield
3990953	Quarter Glare Shield
3990968	Honeycomb