

Beam F54

Multi Color RGBW

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The Beam luminaires deliver precision architectural lighting with exceptional versatility for accent, façade, grazing, and decorative applications. Perfect for illuminating façades, landmarks, parks, and landscapes with high lumen output, efficiency, color consistency, and long-term reliability.

The Beam F54 multicolor RGBW is perfect for a dynamic lighting scheme with High-quality white light and saturated colors, all with optimum color accuracy. They come with environmental protection including a coastal proof rating. With beam angles from 15° to 60° and asymmetric distributions, it provides precise optical control for diverse lighting applications.

- High-Frequency LED Drive - 16kHz flicker-free operation for broadcast and film-safe applications
- Asymmetric Beam Architecture - Specialized oval distributions for precise architectural washing and grazing effects



CE

RoHS

IP67

IK08

Specifications

General	
Power Consumption (W)	54
Input Voltage (V DC)	48
LEDs (/pc)	18
Pixels (/pc)	1
Flicker Frequency (kHz)	16
LED Type	4in1
Channels (/pc)	4
Color Range	RGBW
CRI	≥80 (Custom on request)
Control	DMX(RDM)/PxLNet
Dimming	16 Bit

Installation Conditions & Lighting Data			
Maximum Run Length (pcs)	8		
Delivered Lumen Full White (lm)	2533 (RGBW3000K 45°)		
Maximum Data Run Length DMX(RDM) (pcs)	@45fps	64	
Maximum Data Run Length PxLNet (pcs)	@40fps	512	
	@60fps	256	
Lumen Maintenance Calculated Hours (h)	L80B10 50,000		

Operating	
Environment	Outdoor
Storage Temperature (°C)	-40 to +90
Working Temperature (°C)	-30 to +85
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 (ADC12)
Cover Material	Tempered Glass
Connector Material	Nylon (PA66)
Housing Color	Grey RAL7047 (Custom on request)
Cable Material	PCP
Cable Color	Black
Connector Type	M16 5Pin
Weight (kg/pc)	3,2
Dimensions WxH (mm)	200 x 230

Options

Color/CCT
☐ RGBW2700K
☐ RGBW3000K
☐ RGBW4000K
☐ RGBW5000K

Optics
☐ 15°
☐ 25°
☐ 45°
☐ 60°
☐ 20°x40° ¹

¹ Both Horizontal and Vertical alignment available

Control
☐ DMX (RDM)
☐ PxLNet

Accessories
☐ Half Glare Shield
☐ Honeycomb

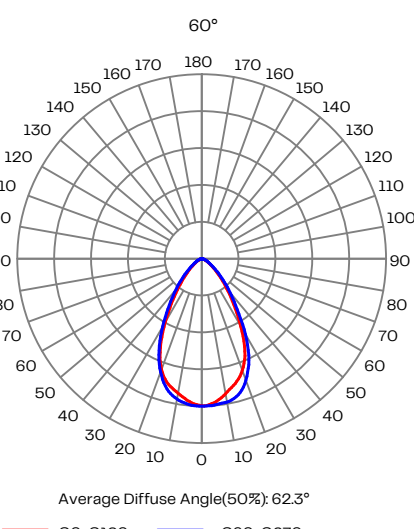
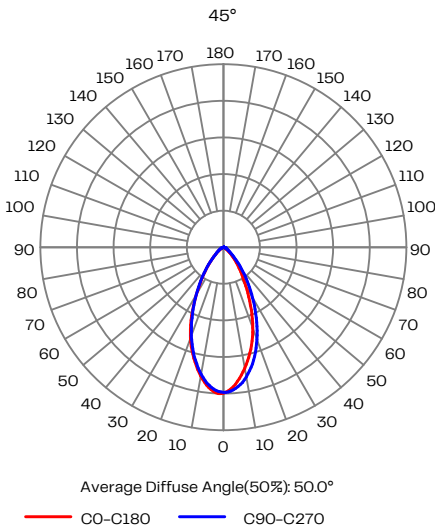
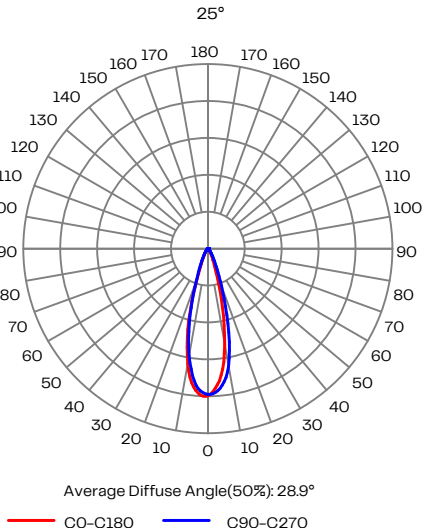
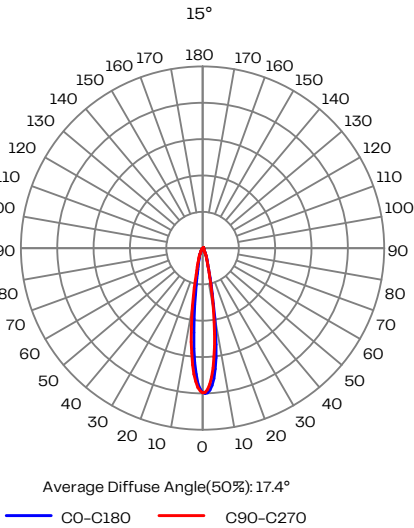
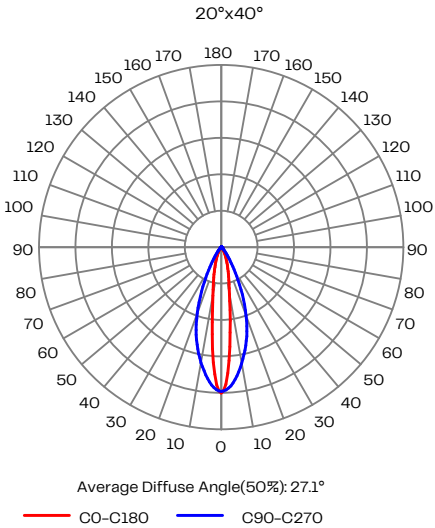
Lighting Specifications

Beam F54

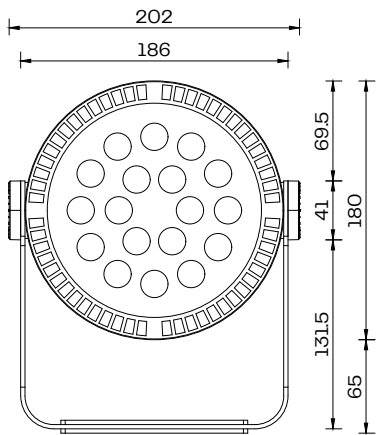
	Full White (lm/m)	Red (lm/m)	Green (lm/m)	Blue (lm/m)	White (lm/m)
RGBW2700K 15°	2508	1749	3602	593	2098
RGBW2700K 25°	2411	1681	3462	570	2017
RGBW2700K 45°	2533	1766	3637	599	2119
RGBW2700K 60°	2435	1697	3496	576	2037
RGBW2700K 20°x40°	2411	1681	3462	570	2017
RGBW3000K 15°	2508	1749	3602	593	2098
RGBW3000K 25°	2411	1681	3462	570	2017
RGBW3000K 45°	2533	1766	3637	599	2119
RGBW3000K 60°	2435	1697	3496	576	2037
RGBW3000K 20°x40°	2411	1681	3462	570	2017

	Full White (lm/m)	Red (lm/m)	Green (lm/m)	Blue (lm/m)	White (lm/m)
RGBW4000K 15°	2609	1819	3746	617	2182
RGBW4000K 25°	2506	1748	3599	593	2097
RGBW4000K 45°	2634	1837	3783	623	2204
RGBW4000K 60°	2532	1765	3636	599	2118
RGBW4000K 20°x40°	2506	1748	3599	593	2097
RGBW5000K 15°	2508	1749	3602	593	2098
RGBW5000K 25°	2411	1681	3462	570	2017
RGBW5000K 45°	2533	1766	3637	599	2119
RGBW5000K 60°	2435	1697	3496	576	2037
RGBW5000K 20°x40°	2411	1681	3462	570	2017

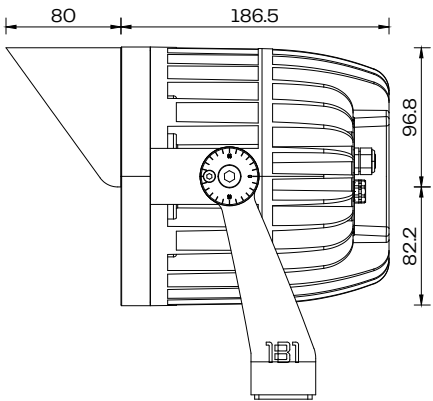
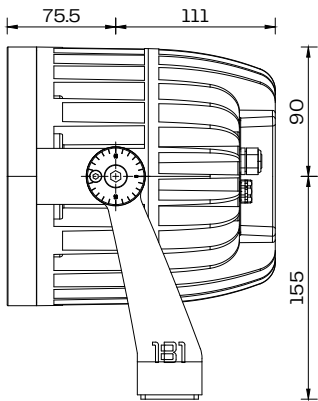
Photometric Distribution



Dimensions



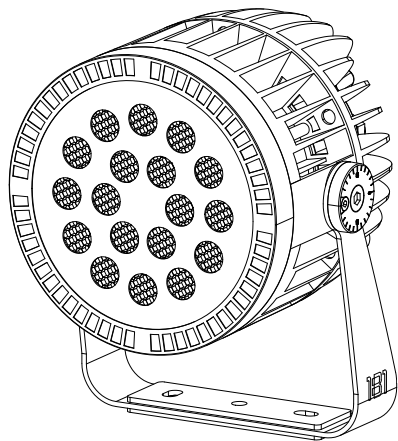
Beam F54 Multi Color



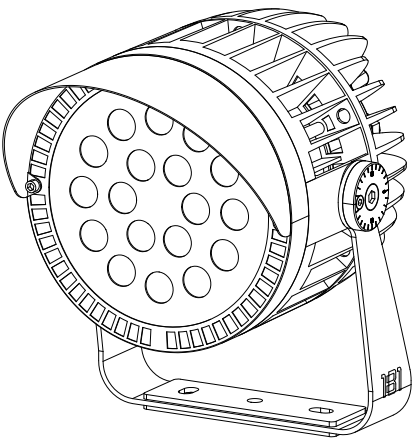
Half Glare Shield

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

Accessories Options

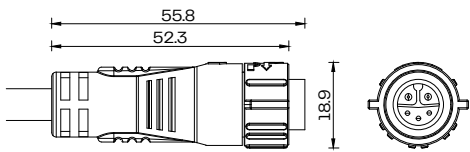


Honeycomb

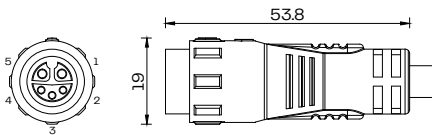


Half Glare Shield

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

Beam

Reference	Description
3433101	Beam F54 RGBW2700K 15°
3433105	Beam F54 RGBW2700K 25°
3433109	Beam F54 RGBW2700K 45°
3433112	Beam F54 RGBW2700K 60°
3433116	Beam F54 RGBW2700K 20°x40°
3433102	Beam F54 RGBW3000K 15°
3433106	Beam F54 RGBW3000K 25°
3433176	Beam F54 RGBW3000K 45°
3433113	Beam F54 RGBW3000K 60°
3433117	Beam F54 RGBW3000K 20°x40°
3433103	Beam F54 RGBW4000K 15°
3433107	Beam F54 RGBW4000K 25°
3433110	Beam F54 RGBW4000K 45°
3433114	Beam F54 RGBW4000K 60°
3433118	Beam F54 RGBW4000K 20°x40°
3433104	Beam F54 RGBW5000K 15°
3433108	Beam F54 RGBW5000K 25°
3433111	Beam F54 RGBW5000K 45°
3433115	Beam F54 RGBW5000K 60°
3433119	Beam F54 RGBW5000K 20°x40°

Accessories

Reference	Description
3990973	Honeycomb
3990983	Half Glare Shield