

Beam F54 Tunable White

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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, and long-term reliability.

The Beam F54 Tunable white is perfect for a dynamic lighting scheme with High-quality white light. 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	2in1
Channels (/pc)	3
Color Range	Tunable White
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)	4662 (1800K-6000K 45°)
Maximum Data Run Length DMX(RDM) (pcs)	@45fps 85
Maximum Data Run Length PxLNet (pcs)	@40fps 680
	@60fps 340
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

- 1800K-6000K
- 2700K-6000K

Optics

- 15°
- 25°
- 45°
- 60°
- 20°x40°¹

¹ Both Horizontal and Vertical alignment available

Control

- DMX (RDM)
- PxLNet

Accessories

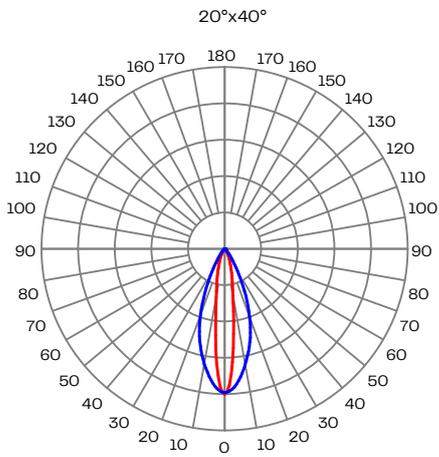
- Half Glare Shield
- Honeycomb

Lighting Specifications

Beam F54

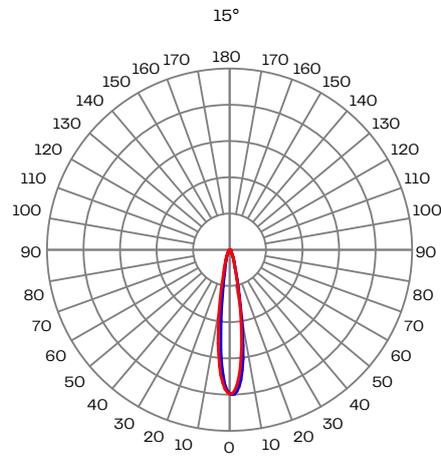
	Full White (lm/m)	Cold White (lm/m)	Warm White (lm/m)
Tunable White 1800-6000K 15°	4570	2681	2763
Tunable White 1800-6000K 25°	4616	2708	2791
Tunable White 1800-6000K 45°	4662	2735	2819
Tunable White 1800-6000K 60°	4523	2654	2735
Tunable White 1800-6000K 20°x40°	4385	2573	2652
Tunable White 2700-6000K 15°	4663	2736	2820
Tunable White 2700-6000K 25°	4710	2763	2848
Tunable White 2700-6000K 45°	4757	2791	2877
Tunable White 2700-6000K 60°	4616	2708	2791
Tunable White 2700-6000K 20°x40°	4475	2625	2706

Photometric Distribution



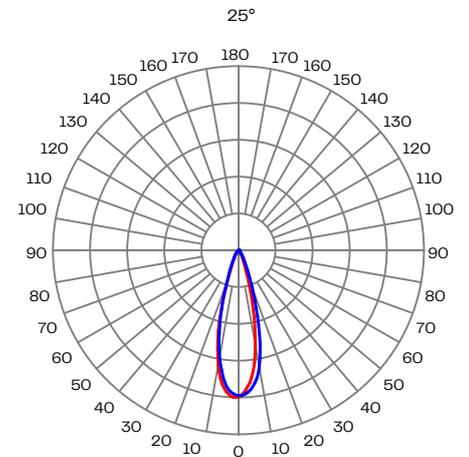
Average Diffuse Angle(50%): 27.1°

— C0-C180 — C90-C270



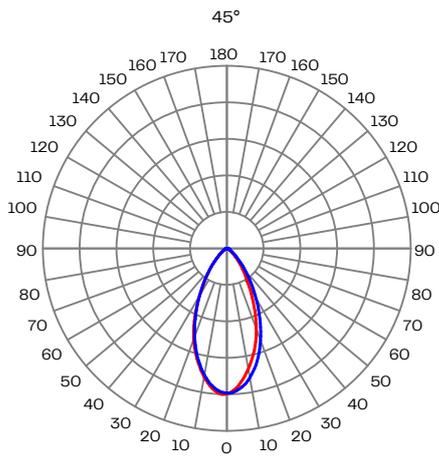
Average Diffuse Angle(50%): 17.4°

— C0-C180 — C90-C270



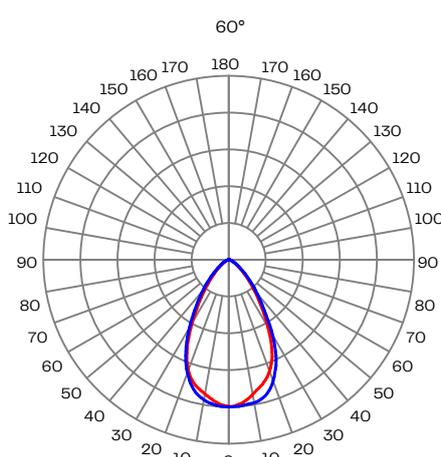
Average Diffuse Angle(50%): 28.9°

— C0-C180 — C90-C270



Average Diffuse Angle(50%): 50.0°

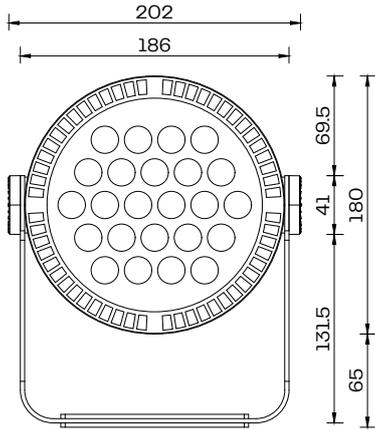
— C0-C180 — C90-C270



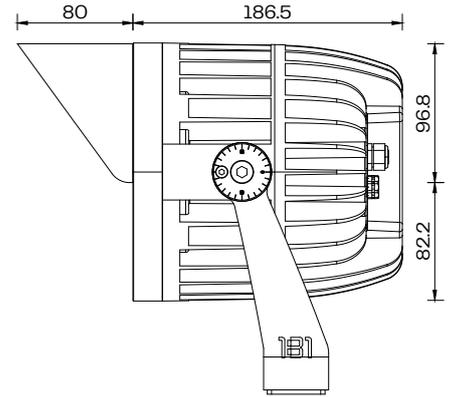
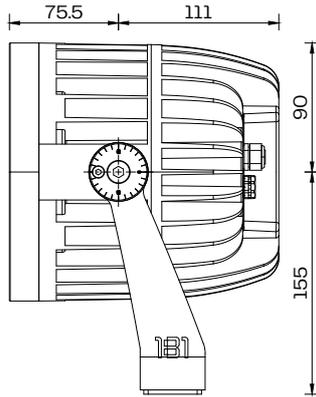
Average Diffuse Angle(50%): 62.3°

— C0-C180 — C90-C270

Dimensions



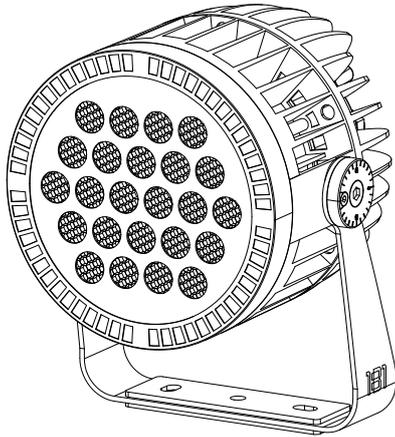
Beam F54 Tunable White



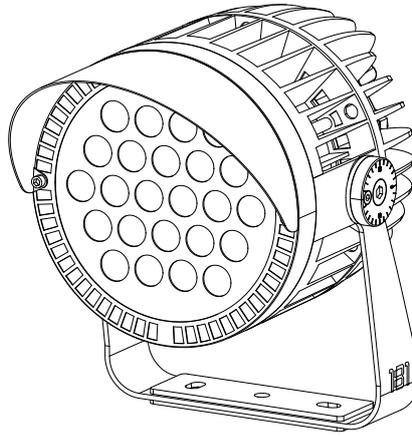
Half Glare Shield

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

Accessories Options

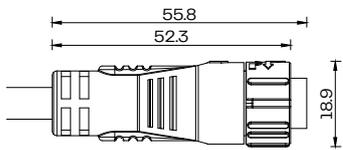


Honeycomb

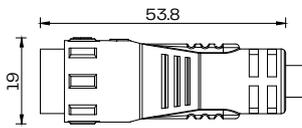
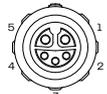


Half Glare Shield

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
3433123	Beam F54 Tunable White 1800-6000K 15°
3433120	Beam F54 Tunable White 1800-6000K 25°
3433121	Beam F54 Tunable White 1800-6000K 45°
3433122	Beam F54 Tunable White 1800-6000K 60°
3433124	Beam F54 Tunable White 1800-6000K 20°x40°
3433128	Beam F54 Tunable White 2700-6000K 15°
3433125	Beam F54 Tunable White 2700-6000K 25°
3433126	Beam F54 Tunable White 2700-6000K 45°
3433127	Beam F54 Tunable White 2700-6000K 60°
3433129	Beam F54 Tunable White 2700-6000K 20°x40°

Accessories

Reference	Description
3990973	Honeycomb
3990983	Half Glare Shield