

Beam F72 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 F72 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)	72
Input Voltage (V DC)	48
LEDs (/pc)	24
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)	6	
Delivered Lumen Full White (lm)	6216 (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)	4,8
Dimensions WxH (mm)	225 x 265

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	

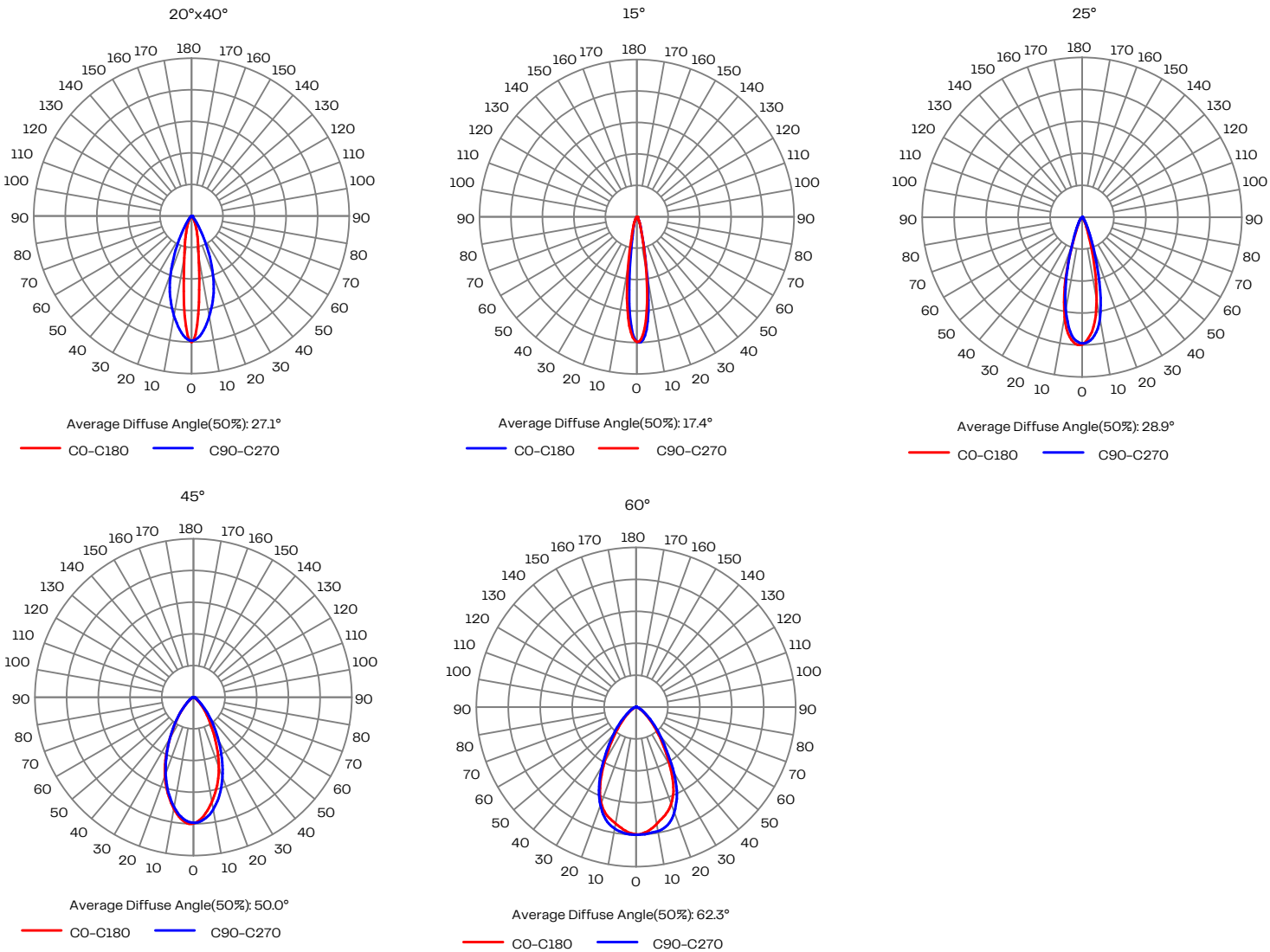
Accessories	
☐ Half Glare Shield	
☐ Honeycomb	

Lighting Specifications

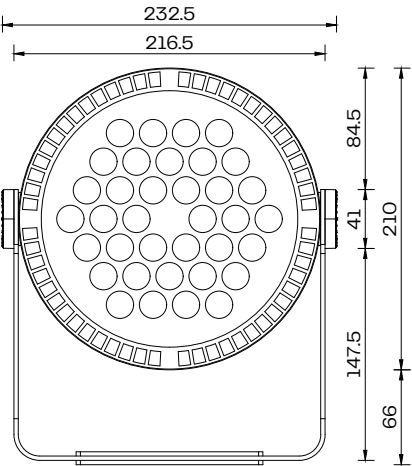
Beam F72

	Full White (lm/m)	Cold White (lm/m)	Warm White (lm/m)
Tunable White 1800-6000K 15°	6093	4524	4663
Tunable White 1800-6000K 25°	6154	4570	4710
Tunable White 1800-6000K 45°	6216	4616	4757
Tunable White 1800-6000K 60°	6031	4479	4616
Tunable White 1800-6000K 20°x40°	5847	4342	4475
Tunable White 2700-6000K 15°	6217	4617	4758
Tunable White 2700-6000K 25°	6280	4663	4806
Tunable White 2700-6000K 45°	6343	4710	4854
Tunable White 2700-6000K 60°	6154	4570	4710
Tunable White 2700-6000K 20°x40°	5966	4430	4566

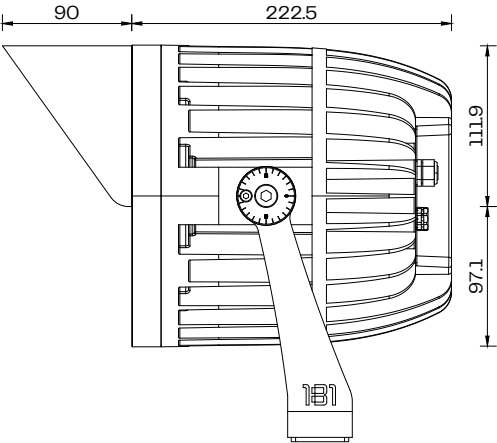
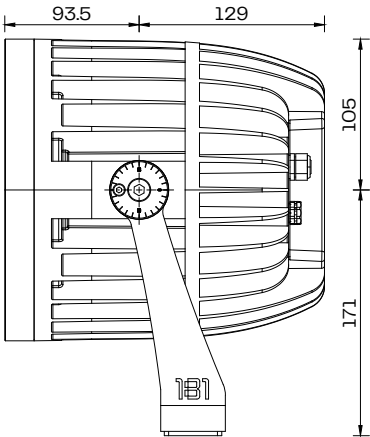
Photometric Distribution



Dimensions



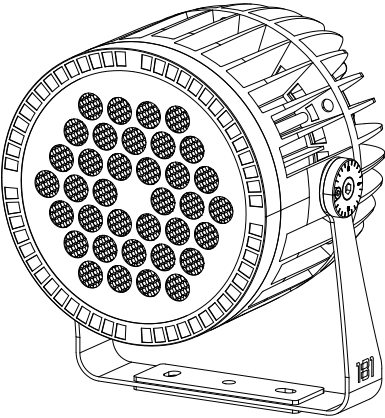
Beam F72 Tunable White



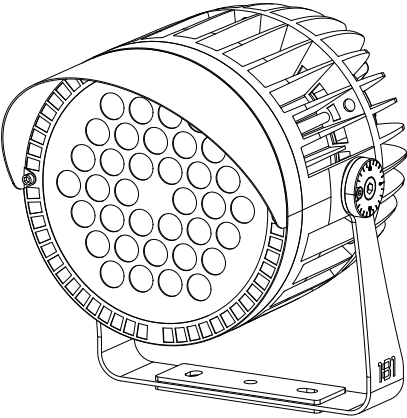
Half Glare Shield

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

Accessories Options

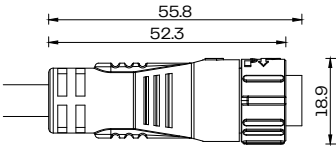


Honeycomb

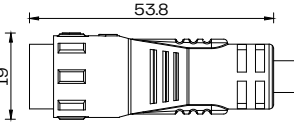


Half Glare Shield

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
3435120	Beam F72 Tunable White 1800-6000K 15°
3435121	Beam F72 Tunable White 1800-6000K 25°
3435122	Beam F72 Tunable White 1800-6000K 45°
3435123	Beam F72 Tunable White 1800-6000K 60°
3435124	Beam F72 Tunable White 1800-6000K 20°x40°
3435125	Beam F72 Tunable White 2700-6000K 15°
3435126	Beam F72 Tunable White 2700-6000K 25°
3435127	Beam F72 Tunable White 2700-6000K 45°
3435128	Beam F72 Tunable White 2700-6000K 60°
3435129	Beam F72 Tunable White 2700-6000K 20°x40°

Accessories

Reference	Description
3990974	Honeycomb
3990984	Half Glare Shield