

Beam F72 White

181

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

The Beam F72 White is perfect for a lighting scheme with efficient and High-quality white light. They come with environmental protection including a coastal proof rating. With beam angles from 10° 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	SMD3030
Channels (/pc)	3
Color Range	Single Color
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)	6726 (3000K 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	
☐ 2700K	
☐ 3000K	
☐ 4000K	
☐ 5000K	

Optics	
☐ 10°	☐ 60°
☐ 15°	☐ 30°x60° ¹
☐ 30°	☐ 10°x40° ¹
☐ 45°	☐ 10°x60° ¹

¹ Both Horizontal and Vertical alignment available

Control	
☐ DMX (RDM)	
☐ PxLNet	

Accessories	
☐ Half Glare Shield	
☐ Honeycomb	

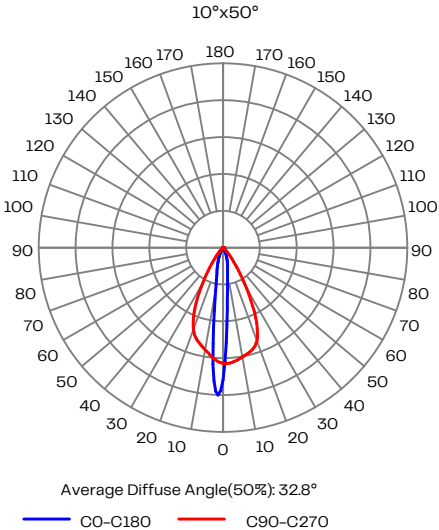
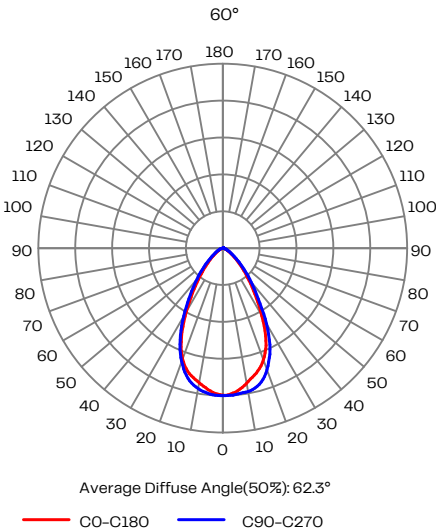
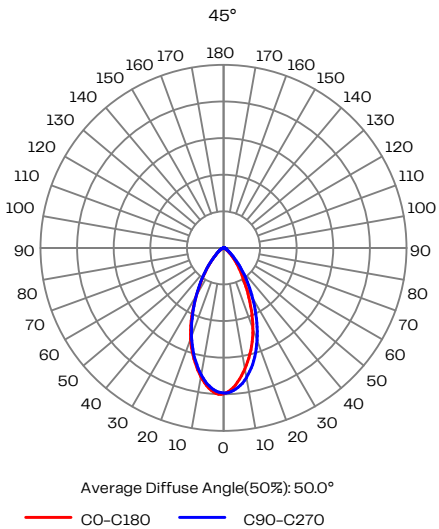
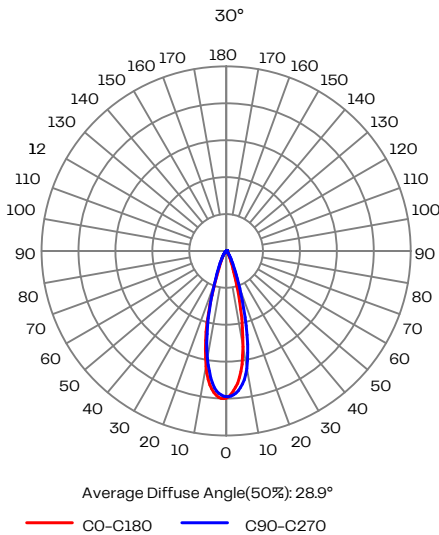
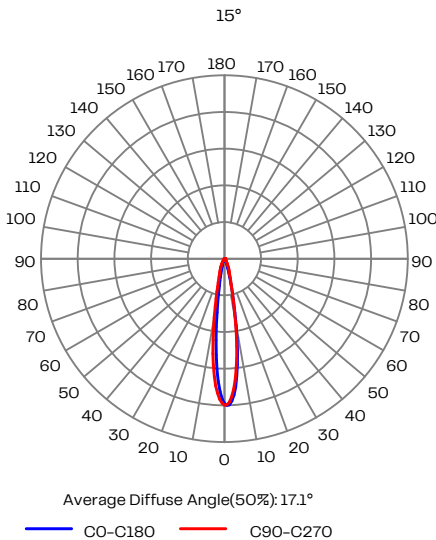
Lighting Specifications

Beam F72

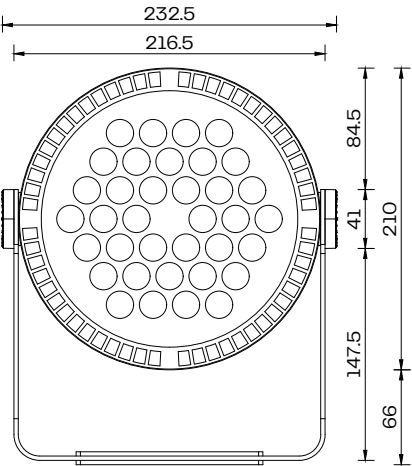
	Full White (lm/m)
2700K 10°	6179
2700K 15°	6293
2700K 30°	6105
2700K 45°	6390
2700K 60°	6133
2700K 30°x60°	6110
2700K 10°x40°	6392
2700K 10°x60°	6389
3000K 10°	6504
3000K 15°	6624
3000K 30°	6426
3000K 45°	6726
3000K 60°	6456
3000K 30°x60°	6431
3000K 10°x40°	6728
3000K 10°x60°	6725

	Full White (lm/m)
4000K 10°	6764
4000K 15°	6889
4000K 30°	6683
4000K 45°	6995
4000K 60°	6714
4000K 30°x60°	6688
4000K 10°x40°	6997
4000K 10°x60°	6994
5000K 10°	6114
5000K 15°	6227
5000K 30°	6040
5000K 45°	6322
5000K 60°	6069
5000K 30°x60°	6045
5000K 10°x40°	6324
5000K 10°x60°	6321

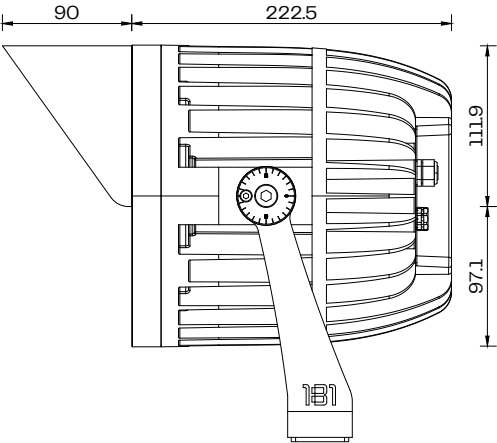
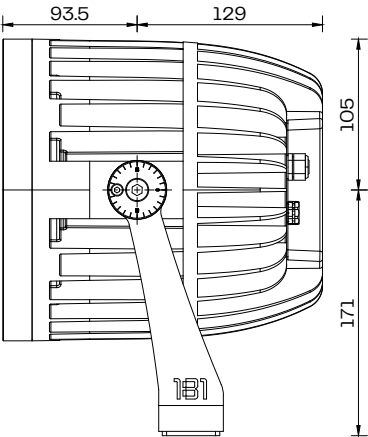
Photometric Distribution



Dimensions



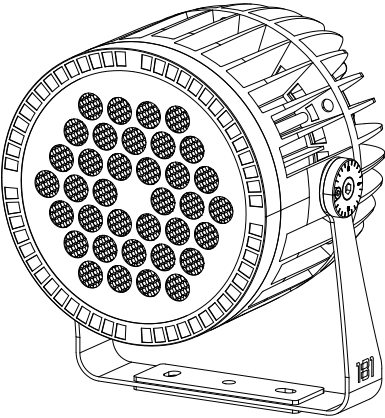
Beam F72 White



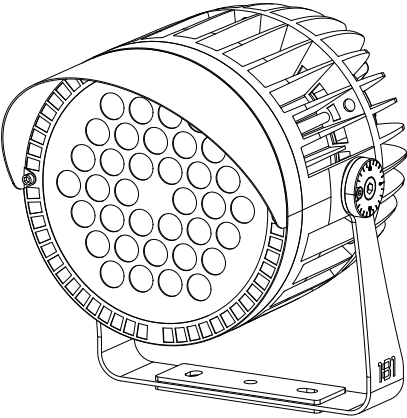
Half Glare Shield

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

Accessories Options

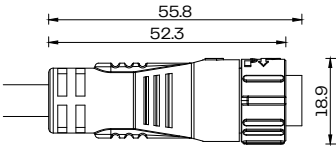


Honeycomb

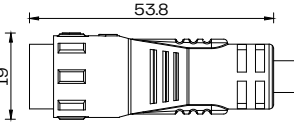


Half Glare Shield

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
3435144	Beam F72 2700K 10°
3435148	Beam F72 2700K 15°
3435152	Beam F72 2700K 30°
3435156	Beam F72 2700K 45°
3435160	Beam F72 2700K 60°
3435168	Beam F72 2700K 30°x60°
3435164	Beam F72 2700K 10°x40°
3435172	Beam F72 2700K 10°x60°
3435145	Beam F72 3000K 10°
3435149	Beam F72 3000K 15°
3435153	Beam F72 3000K 30°
3435157	Beam F72 3000K 45°
3435161	Beam F72 3000K 60°
3435169	Beam F72 3000K 30°x60°
3435165	Beam F72 3000K 10°x40°
3435173	Beam F72 3000K 10°x60°
3435146	Beam F72 4000K 10°
3435150	Beam F72 4000K 15°
3435154	Beam F72 4000K 30°
3435158	Beam F72 4000K 45°
3435162	Beam F72 4000K 60°
3435170	Beam F72 4000K 30°x60°
3435166	Beam F72 4000K 10°x40°
3435174	Beam F72 4000K 10°x60°
3435147	Beam F72 5000K 10°
3435151	Beam F72 5000K 15°
3435155	Beam F72 5000K 30°
3435159	Beam F72 5000K 45°
3435163	Beam F72 5000K 60°
3435171	Beam F72 5000K 30°x60°
3435167	Beam F72 5000K 10°x40°
3435175	Beam F72 5000K 10°x60°

Accessories

Reference	Description
3990974	Honeycomb
3990984	Half Glare Shield