

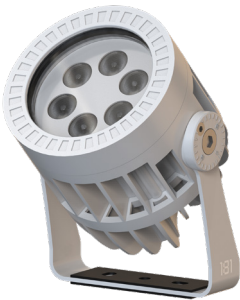
Beam F12 White

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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 F12 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)	12	
Input Voltage (V DC)	48	
LEDs (/pc)	6	
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)	32	
Delivered Lumen Full White (lm)	1121 (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)	1,15
Dimensions WxH (mm)	125 x 155

Options

Color/CCT	
☐ 2700K	
☐ 3000K	
☐ 4000K	
☐ 5000K	

Optics	
☐ 10°	☐ 60°
☐ 15°	☐ 10°x35° ¹
☐ 30°	☐ 10°x50° ¹
☐ 45°	☐ 30°x50° ¹

¹ Both Horizontal and Vertical alignment available

Control	
☐ DMX (RDM)	
☐ PxLNet	

Accessories	
☐ Half Glare Shield	
☐ Honeycomb	

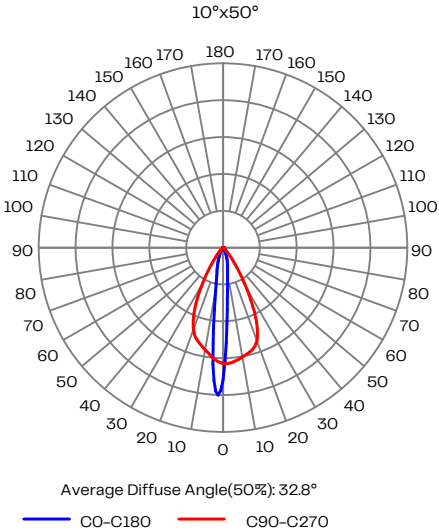
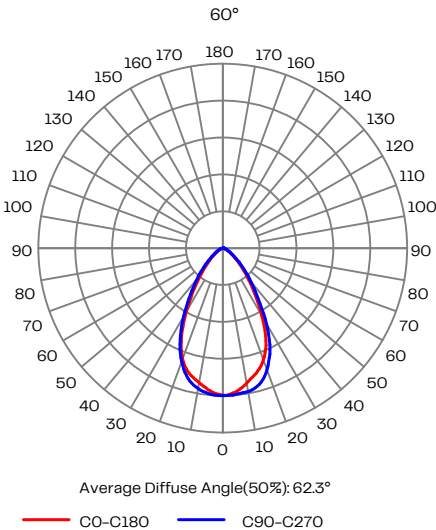
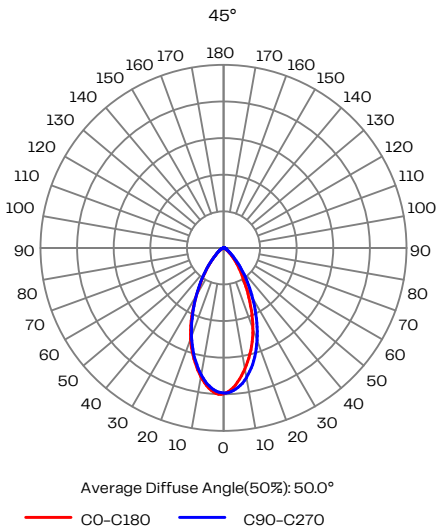
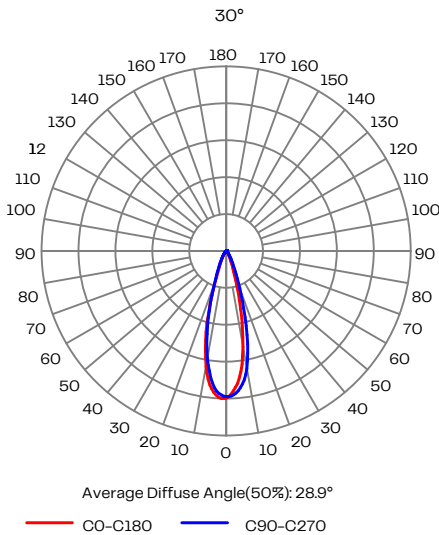
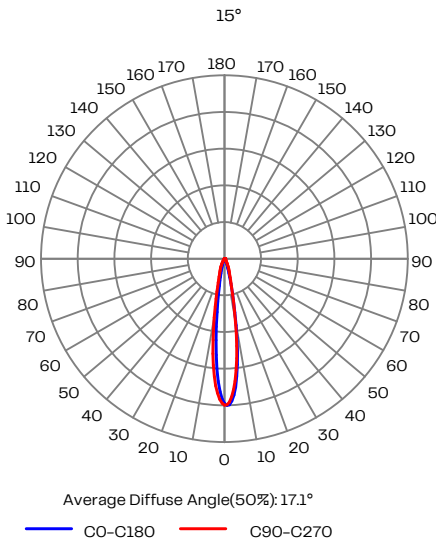
Lighting Specifications

Beam F12

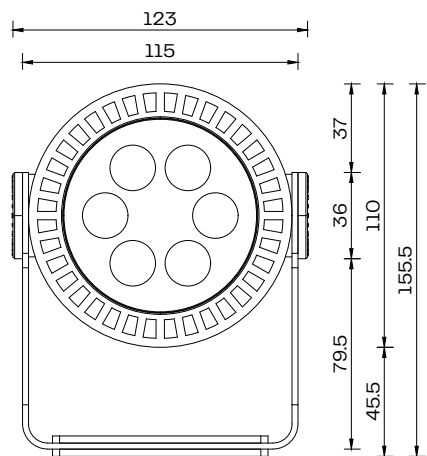
	Full White (lm/m)
2700K 10°	1030
2700K 15°	1049
2700K 30°	1017
2700K 45°	1065
2700K 60°	1022
2700K 10°x35°	1022
2700K 10°x50°	1067
2700K 30°x50°	1064
3000K 10°	1084
3000K 15°	1104
3000K 30°	1071
3000K 45°	1121
3000K 60°	1076
3000K 10°x35°	1076
3000K 10°x50°	1123
3000K 30°x50°	1120

	Full White (lm/m)
4000K 10°	1127
4000K 15°	1148
4000K 30°	1114
4000K 45°	1166
4000K 60°	1119
4000K 10°x35°	1119
4000K 10°x50°	1168
4000K 30°x50°	1165
5000K 10°	1019
5000K 15°	1038
5000K 30°	1007
5000K 45°	1054
5000K 60°	1011
5000K 10°x35°	1012
5000K 10°x50°	1056
5000K 30°x50°	1053

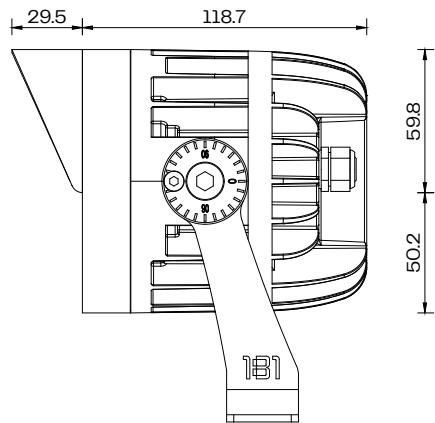
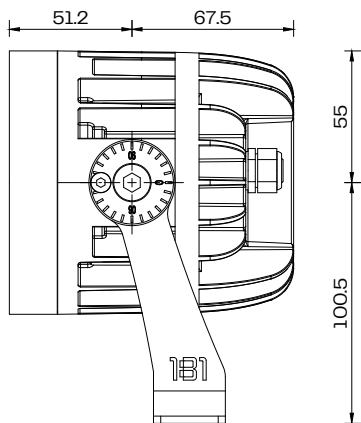
Photometric Distribution



Dimensions



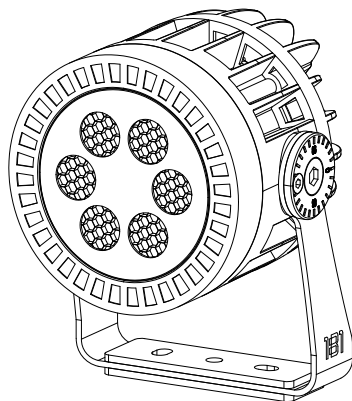
Beam F12 White



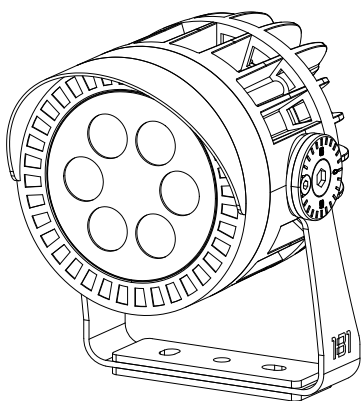
Half Glare Shield

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

Accessories Options

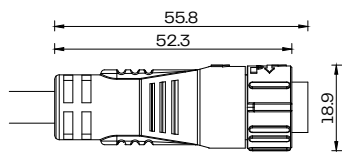


Honeycomb

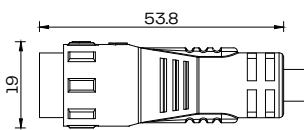
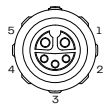


Half Glare Shield

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
3428145	Beam F12 2700K 10°
3428149	Beam F12 2700K 15°
3428153	Beam F12 2700K 30°
3428157	Beam F12 2700K 45°
3428161	Beam F12 2700K 60°
3428165	Beam F12 2700K 10°x35°
3428169	Beam F12 2700K 10°x50°
3428173	Beam F12 2700K 30°x50°
3428146	Beam F12 3000K 10°
3428150	Beam F12 3000K 15°
3428154	Beam F12 3000K 30°
3428158	Beam F12 3000K 45°
3428162	Beam F12 3000K 60°
3428166	Beam F12 3000K 10°x35°
3428170	Beam F12 3000K 10°x50°
3428174	Beam F12 3000K 30°x50°
3428147	Beam F12 4000K 10°
3428151	Beam F12 4000K 15°
3428155	Beam F12 4000K 30°
3428159	Beam F12 4000K 45°
3428163	Beam F12 4000K 60°
3428167	Beam F12 4000K 10°x35°
3428171	Beam F12 4000K 10°x50°
3428175	Beam F12 4000K 30°x50°
3428148	Beam F12 5000K 10°
3428152	Beam F12 5000K 15°
3428156	Beam F12 5000K 30°
3428160	Beam F12 5000K 45°
3428164	Beam F12 5000K 60°
3428168	Beam F12 5000K 10°x35°
3428172	Beam F12 5000K 10°x50°
3428176	Beam F12 5000K 30°x50°

Accessories

Reference	Description
3990971	Honeycomb
3990981	Half Glare Shield