

Beam F120 AC

Multi Color RGBW

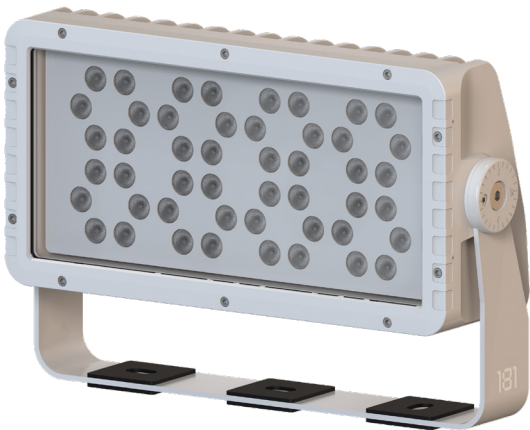
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The Beam luminaires deliver precision architectural lighting with exceptional versatility for accent, façade, grazing, and decorative applications. Perfect for illuminating façades, landmarks, parks, and landscapes with high lumen output, efficiency,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

The Beam F120 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.

✎ Triple LED Array Technology – 48 high-efficiency LEDs delivering 3x the light output for large-scale architectural applications

✎ High-Frequency LED Drive – 16kHz flicker-free operation for broadcast and film-safe applications with superior light quality



CE

RoHS

IP67

IK08

Specifications

General	
Power Consumption (W)	120
Input Voltage (V AC)	115–277
LEDs (/pc)	48
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 115 V AC (pcs)	5	
Maximum Run Length 230 V AC (pcs)	10	
Delivered Lumen Full White (lm)	8496 (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	M20 7Pin
Weight (kg/pc)	7,6
Dimensions WxHxD (mm)	405 x 275 x 120

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

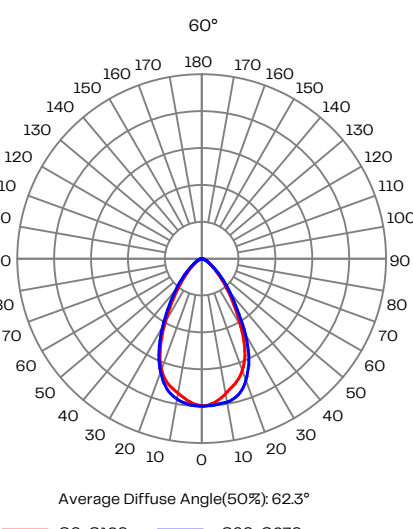
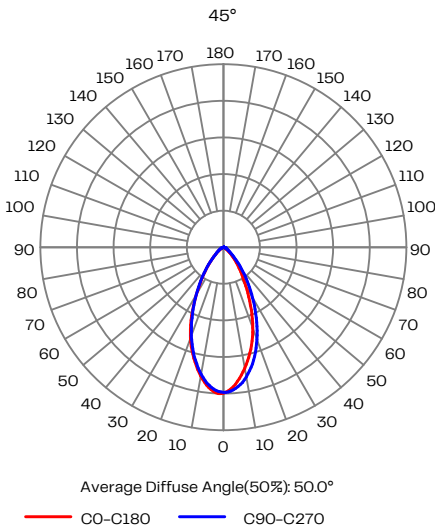
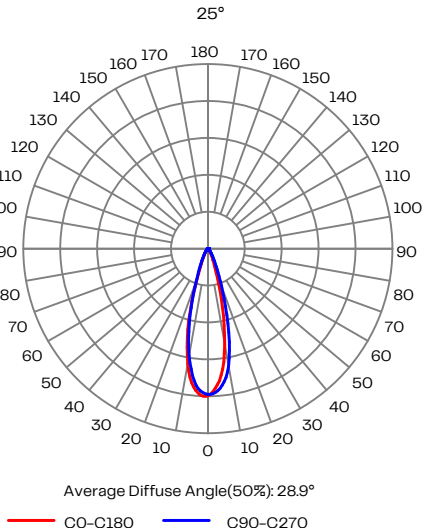
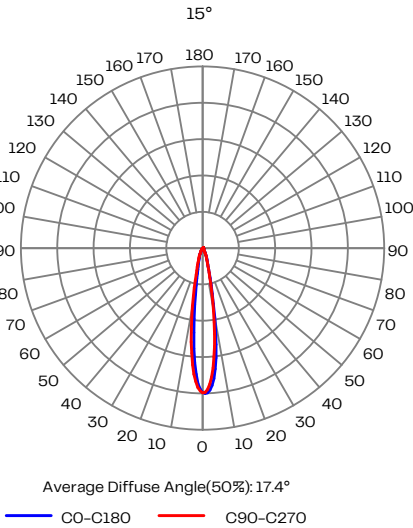
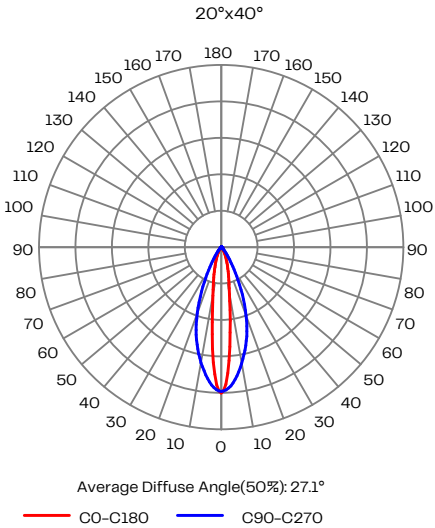
Lighting Specifications

Beam F120 AC

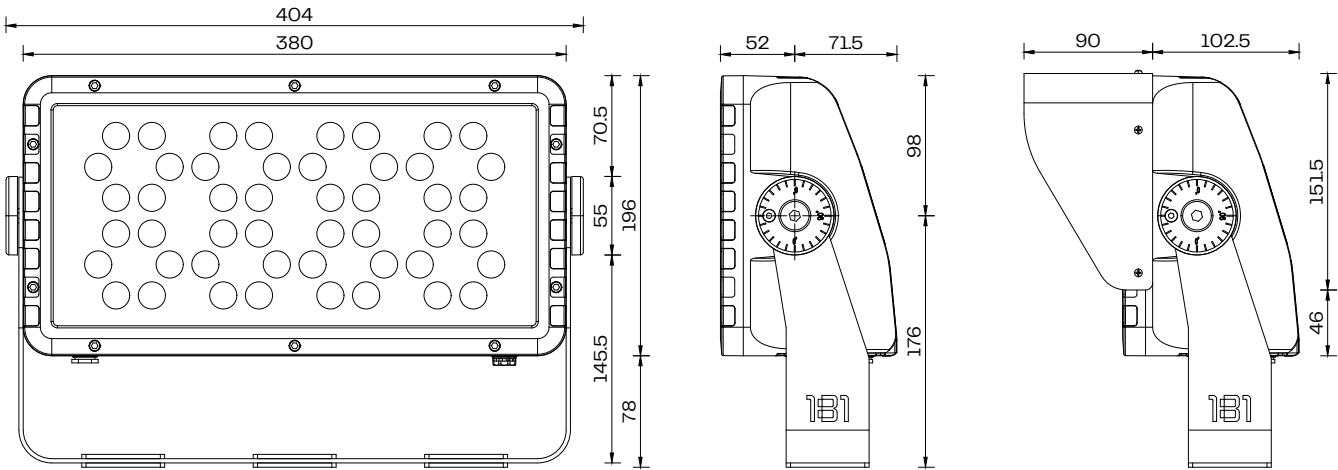
	Full White (lm/m)	Red (lm/m)	Green (lm/m)	Blue (lm/m)	White (lm/m)
RGBW2700K 15°	8978	3140	7185	1779	5211
RGBW2700K 25°	9068	3171	7257	1796	5263
RGBW2700K 45°	9158	3203	7330	1814	5315
RGBW2700K 60°	9068	3406	7318	1771	5231
RGBW2700K 20°x40°	8705	3044	6967	1725	5052
RGBW3000K 15°	9161	3204	7332	1815	5317
RGBW3000K 25°	9253	3236	7405	1833	5370
RGBW3000K 45°	9345	3268	7479	1851	5424
RGBW3000K 60°	9253	3475	7467	1807	5338
RGBW3000K 20°x40°	8883	3107	7109	1760	5155

	Full White (lm/m)	Red (lm/m)	Green (lm/m)	Blue (lm/m)	White (lm/m)
RGBW4000K 15°	9344	3268	7479	1851	5423
RGBW4000K 25°	9438	3301	7553	1870	5478
RGBW4000K 45°	9532	3334	7629	1889	5532
RGBW4000K 60°	9438	3545	7616	1843	5445
RGBW4000K 20°x40°	9060	3169	7251	1795	5258
RGBW5000K 15°	9253	3236	7405	1833	5370
RGBW5000K 25°	9345	3268	7479	1851	5424
RGBW5000K 45°	9439	3301	7554	1870	5478
RGBW5000K 60°	9346	3510	7542	1825	5391
RGBW5000K 20°x40°	8971	3138	7180	1777	5207

Photometric Distribution



Dimensions

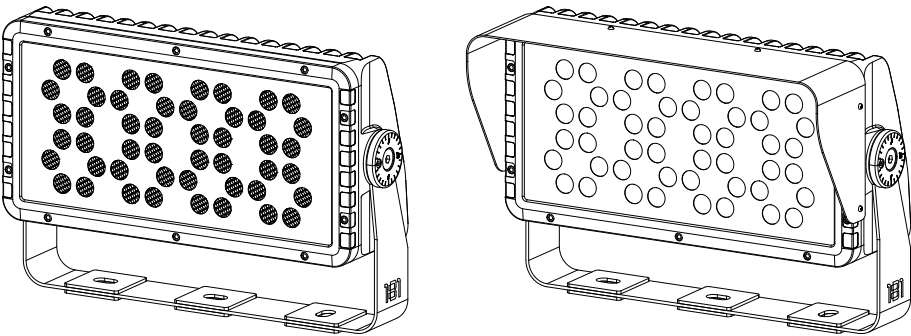


Beam F120 AC Multi Color

Half Glare Shield

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

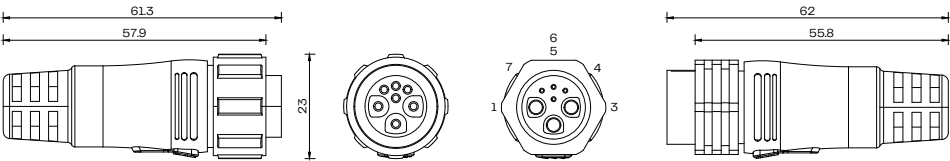
Accessories Options



Honeycomb

Half Glare Shield

Connection



M20 Male Connector

M20 Female Connector

Connector Pin		
Pin 1	Brown	L (115-277 V AC)
Pin 2	Yellow/Green	PE
Pin 3	Blue	N (115-277 V AC)
Pin 4	Black	GND
Pin 5	Red	Program
Pin 6	Blue	Data -
Pin 7	Green	Data +

Product References

Beam

Reference	Description
3439101	Beam F120 AC RGBW2700K 15°
3439105	Beam F120 AC RGBW2700K 25°
3439109	Beam F120 AC RGBW2700K 45°
3439112	Beam F120 AC RGBW2700K 60°
3439116	Beam F120 AC RGBW2700K 20°x40°
3439102	Beam F120 AC RGBW3000K 15°
3439106	Beam F120 AC RGBW3000K 25°
3439180	Beam F120 AC RGBW3000K 45°
3439113	Beam F120 AC RGBW3000K 60°
3439117	Beam F120 AC RGBW3000K 20°x40°
3439103	Beam F120 AC RGBW4000K 15°
3439107	Beam F120 AC RGBW4000K 25°
3439110	Beam F120 AC RGBW4000K 45°
3439114	Beam F120 AC RGBW4000K 60°
3439118	Beam F120 AC RGBW4000K 20°x40°
3439104	Beam F120 AC RGBW5000K 15°
3439108	Beam F120 AC RGBW5000K 25°
3439111	Beam F120 AC RGBW5000K 45°
3439115	Beam F120 AC RGBW5000K 60°
3439119	Beam F120 AC RGBW5000K 20°x40°

Accessories

Reference	Description
3990975	Honeycomb
3990985	Half Glare Shield