

Beam F250 AC

Multi Color RGBW

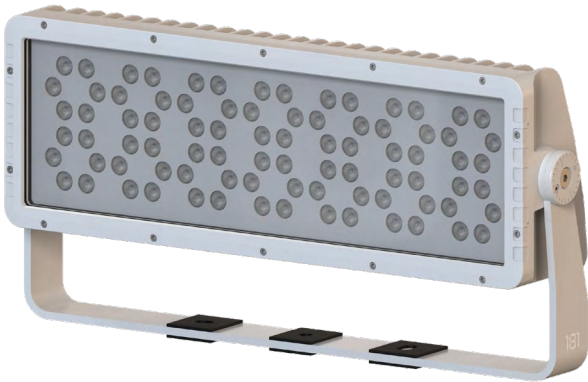
181

The Beam F250 delivers high-performance architectural highlighting with superior light output for demanding facade illumination, landscape accent lighting, and large-scale architectural feature highlighting. The F250 offers various options in RGBW configurations with environmental protection including coastal environment proof rating.

With beam angle options from 15° spots to wide 60° floods plus asymmetric distributions, the Beam F250 provides precise optical control and enhanced luminous intensity for professional lighting applications across hospitality, commercial, and architectural projects requiring greater illumination coverage.

✧ Triple LED Array Technology – 84 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)	250	
Input Voltage (V AC)	115–277	
LEDs (/pc)	84	
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)	2	
Maximum Run Length 230 V AC (pcs)	4	
Delivered Lumen Full White (lm)	13453 (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)	15,5
Dimensions WxHxD (mm)	643 x 355 x 136

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

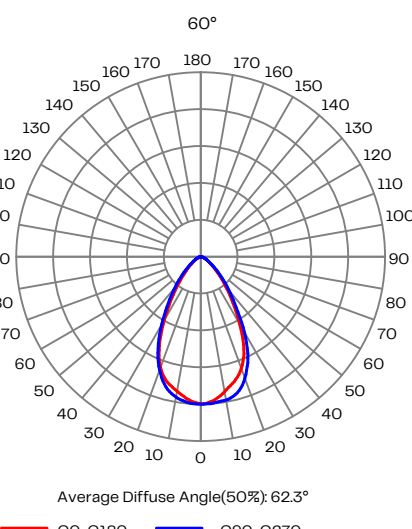
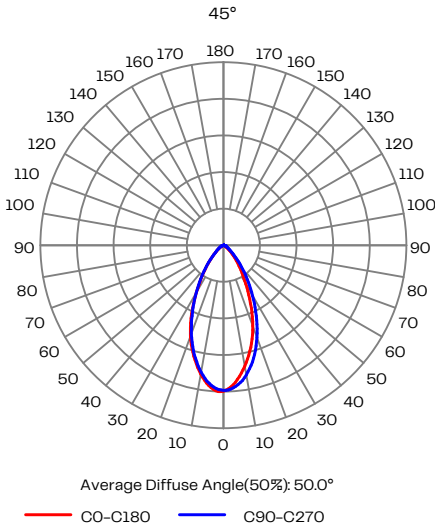
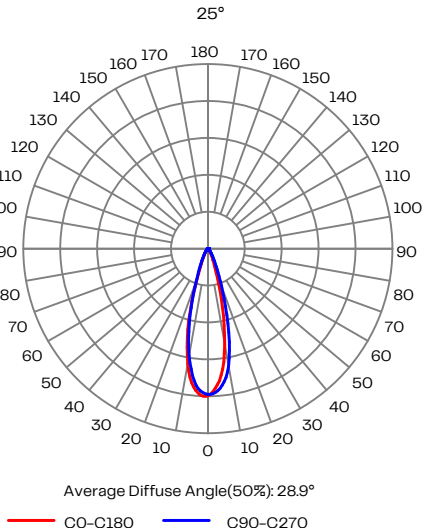
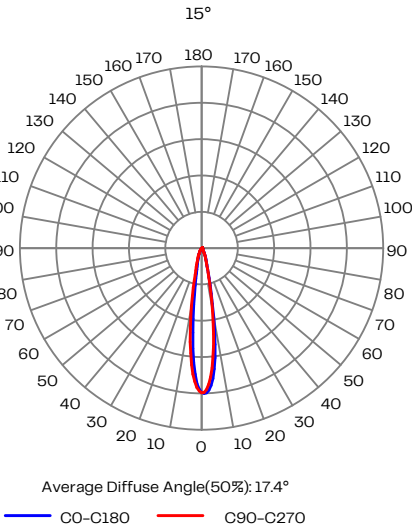
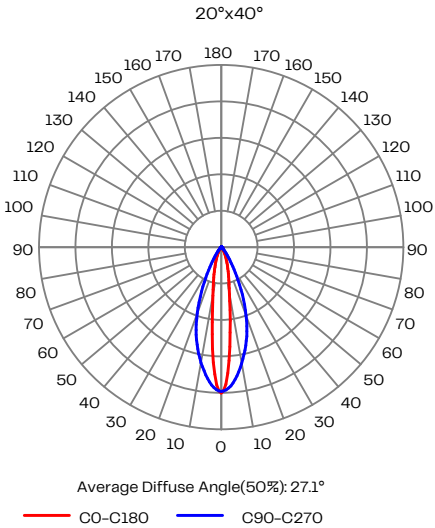
Lighting Specifications

Beam F250 AC

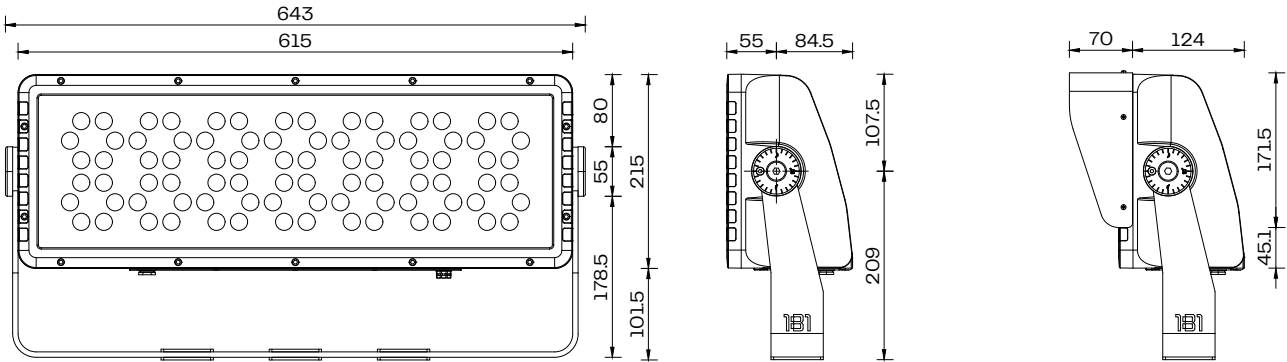
	Full RGBW (lm/m)	Red (lm/m)	Green (lm/m)	Blue (lm/m)	White (lm/m)
RGBW2700K 15°	12924	4793	9754	2183	7266
RGBW2700K 25°	13053	4841	9851	2205	7339
RGBW2700K 45°	13184	4889	9950	2227	7413
RGBW2700K 60°	12901	5116	10674	2174	7976
RGBW2700K 20°x40°	12531	4647	9457	2117	7046
RGBW3000K 15°	13188	4891	9953	2228	7415
RGBW3000K 25°	13319	4940	10052	2250	7489
RGBW3000K 45°	13453	4989	10153	2273	7564
RGBW3000K 60°	13164	5220	10892	2218	8138
RGBW3000K 20°x40°	12787	4742	9650	2160	7189

	Full RGBW (lm/m)	Red (lm/m)	Green (lm/m)	Blue (lm/m)	White (lm/m)
RGBW4000K 15°	13451	4989	10152	2272	7563
RGBW4000K 25°	13586	5039	10253	2295	7639
RGBW4000K 45°	13722	5089	10356	2318	7715
RGBW4000K 60°	13427	5325	11110	2263	8301
RGBW4000K 20°x40°	13042	4837	9843	2203	7333
RGBW5000K 15°	13319	4940	10052	2250	7489
RGBW5000K 25°	13453	4989	10153	2273	7564
RGBW5000K 45°	13587	5039	10254	2295	7639
RGBW5000K 60°	13295	5272	11001	2240	8220
RGBW5000K 20°x40°	12915	4790	9747	2182	7261

Photometric Distribution



Dimensions

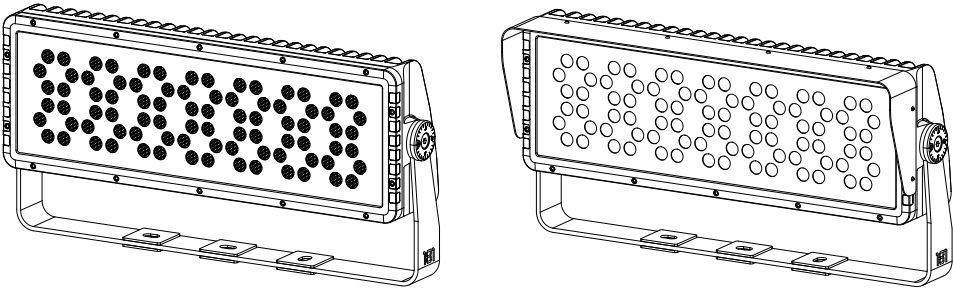


Beam F250 AC Multi Color

Half Glare Shield

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

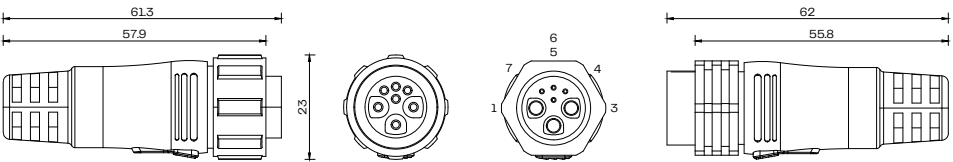
Accessories Options



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
3440101	Beam F250 AC RGBW2700K 15°
3440105	Beam F250 AC RGBW2700K 25°
3440109	Beam F250 AC RGBW2700K 45°
3440112	Beam F250 AC RGBW2700K 60°
3440116	Beam F250 AC RGBW2700K 20°x40°
3440102	Beam F250 AC RGBW3000K 15°
3440106	Beam F250 AC RGBW3000K 25°
3440180	Beam F250 AC RGBW3000K 45°
3440113	Beam F250 AC RGBW3000K 60°
3440117	Beam F250 AC RGBW3000K 20°x40°
3440103	Beam F250 AC RGBW4000K 15°
3440107	Beam F250 AC RGBW4000K 25°
3440110	Beam F250 AC RGBW4000K 45°
3440114	Beam F250 AC RGBW4000K 60°
3440118	Beam F250 AC RGBW4000K 20°x40°
3440104	Beam F250 AC RGBW5000K 15°
3440108	Beam F250 AC RGBW5000K 25°
3440111	Beam F250 AC RGBW5000K 45°
3440115	Beam F250 AC RGBW5000K 60°
3440119	Beam F250 AC RGBW5000K 20°x40°

Accessories

Reference	Description
3990976	Honeycomb
3990986	Half Glare Shield