

Beam F250 AC White

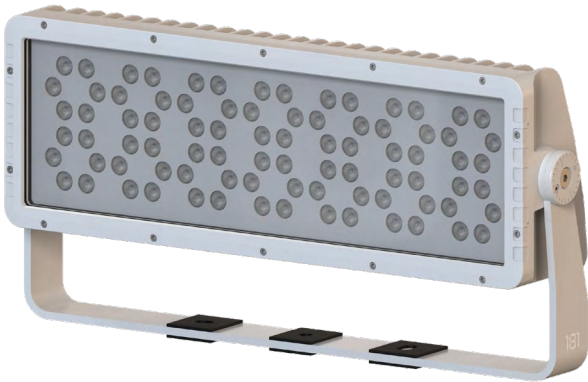
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The Beam F250 delivers high-performance architectural highlighting with superior light output for demanding facade illumination, landscape accent lighting, and large-scale architectural feature highlighting. The F120 offers various options in single color configurations with environmental protection including coastal environment proof rating.

With beam angle options from 10° 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	Discrete	
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 115 V AC (pcs)	2	
Maximum Run Length 230 V AC (pcs)	4	
Delivered Lumen Full White (lm)	18683 (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	M20 7Pin
Weight (kg/pc)	15,5
Dimensions WxHxD (mm)	643 x 355 x 136

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	

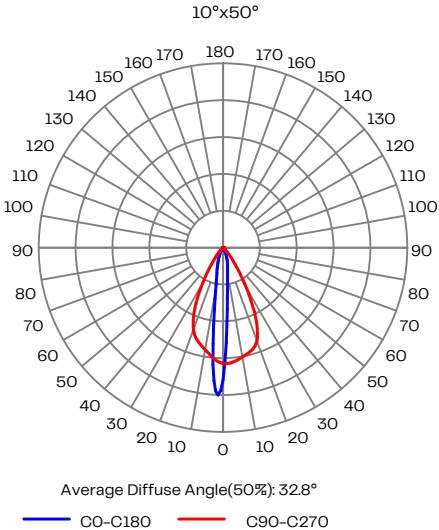
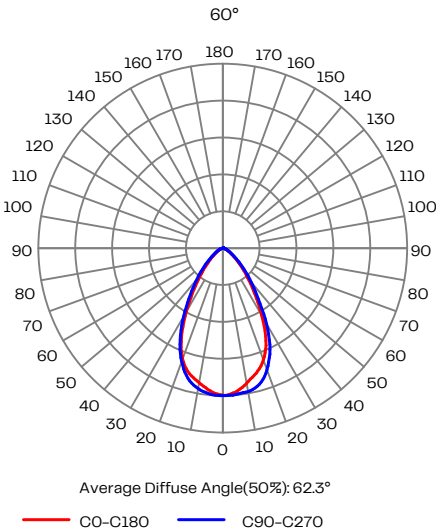
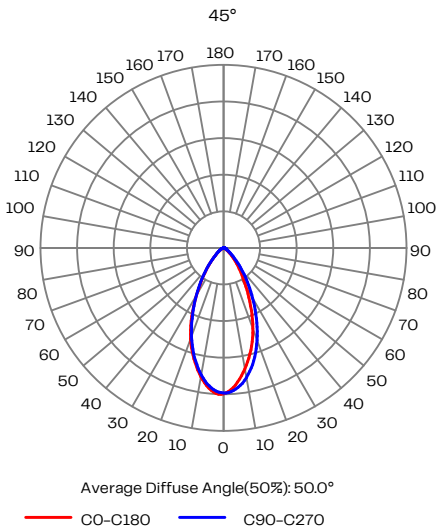
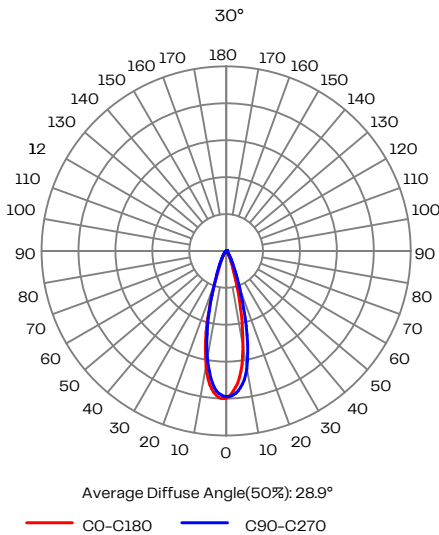
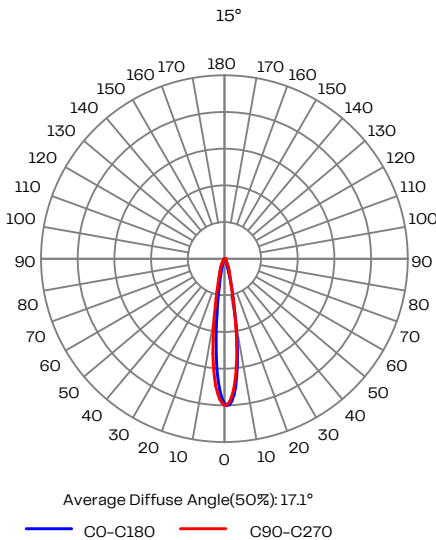
Lighting Specifications

Beam F250 AC

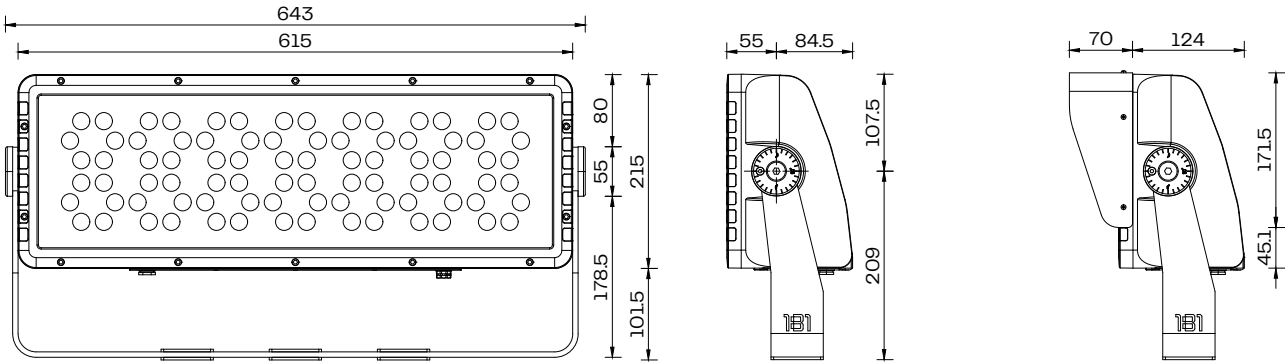
	Full White (lm/m)
2700K 10°	17163
2700K 15°	17480
2700K 30°	16958
2700K 45°	17749
2700K 60°	17037
2700K 30°x60°	16966
2700K 10°x40°	17753
2700K 10°x60°	17748
3000K 10°	18067
3000K 15°	18400
3000K 30°	17850
3000K 45°	18683
3000K 60°	17933
3000K 30°x60°	17858
3000K 10°x40°	18687
3000K 10°x60°	18682

	Full White (lm/m)
4000K 10°	18789
4000K 15°	19136
4000K 30°	18564
4000K 45°	19431
4000K 60°	18651
4000K 30°x60°	18572
4000K 10°x40°	19434
4000K 10°x60°	19429
5000K 10°	16983
5000K 15°	17296
5000K 30°	16779
5000K 45°	17562
5000K 60°	16857
5000K 30°x60°	16787
5000K 10°x40°	17566
5000K 10°x60°	17561

Photometric Distribution



Dimensions

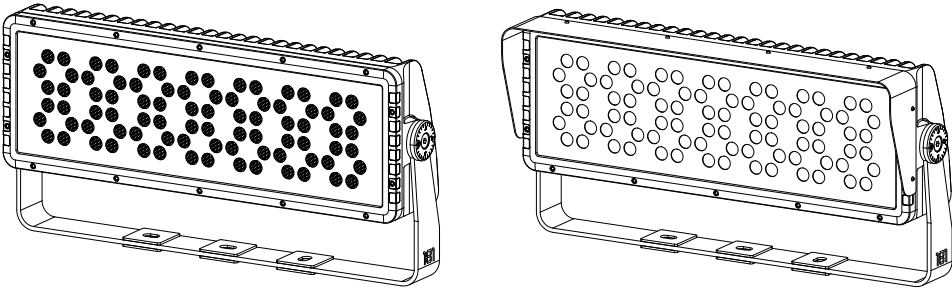


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Half Glare Shield

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

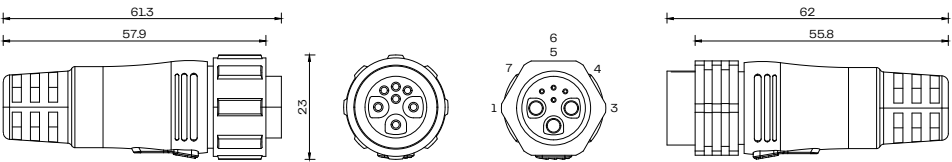
Accessories Options



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
3440144	Beam F250 AC 2700K 10°
3440148	Beam F250 AC 2700K 15°
3440152	Beam F250 AC 2700K 30°
3440156	Beam F250 AC 2700K 45°
3440160	Beam F250 AC 2700K 60°
3440168	Beam F250 AC 2700K 30°x60°
3440164	Beam F250 AC 2700K 10°x40°
3440172	Beam F250 AC 2700K 10°x60°
3440145	Beam F250 AC 3000K 10°
3440149	Beam F250 AC 3000K 15°
3440153	Beam F250 AC 3000K 30°
3440157	Beam F250 AC 3000K 45°
3440161	Beam F250 AC 3000K 60°
3440169	Beam F250 AC 3000K 30°x60°
3440165	Beam F250 AC 3000K 10°x40°
3440173	Beam F250 AC 3000K 10°x60°
3440146	Beam F250 AC 4000K 10°
3440150	Beam F250 AC 4000K 15°
3440154	Beam F250 AC 4000K 30°
3440158	Beam F250 AC 4000K 45°
3440162	Beam F250 AC 4000K 60°
3440170	Beam F250 AC 4000K 30°x60°
3440166	Beam F250 AC 4000K 10°x40°
3440174	Beam F250 AC 4000K 10°x60°
3440147	Beam F250 AC 5000K 10°
3440151	Beam F250 AC 5000K 15°
3440155	Beam F250 AC 5000K 30°
3440159	Beam F250 AC 5000K 45°
3440163	Beam F250 AC 5000K 60°
3440171	Beam F250 AC 5000K 30°x60°
3440167	Beam F250 AC 5000K 10°x40°
3440175	Beam F250 AC 5000K 10°x60°

Accessories

Reference	Description
3990976	Honeycomb
3990986	Half Glare Shield