

Beam F250 AC Tunable White

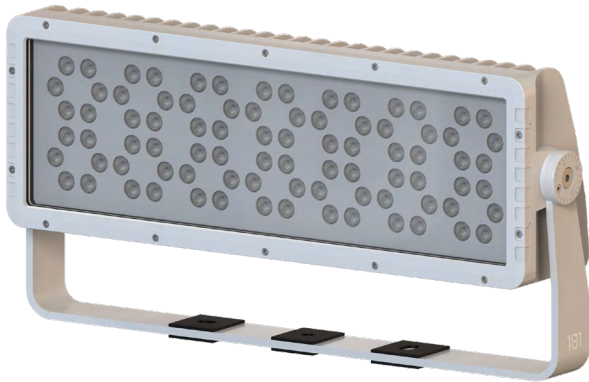
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The Beam F250 delivers high-performance architectural highlighting with superior light output for demanding facade illumination, landscape accent lighting, and large-scale architectural feature highlighting. The F250 offers various options in Tunable White 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	2in1
Channels (/pc)	3
Color Range	Tunable White
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)	16203 (1800K–6000K 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
☐ 1800K–6000K
☐ 2700K–6000K

Optics
☐ 15°
☐ 25°
☐ 45°
☐ 60°
☐ 20°x40° ¹

¹ Both Horizontal and Vertical alignment available

Control
☐ DMX (RDM)
☐ PxLNet

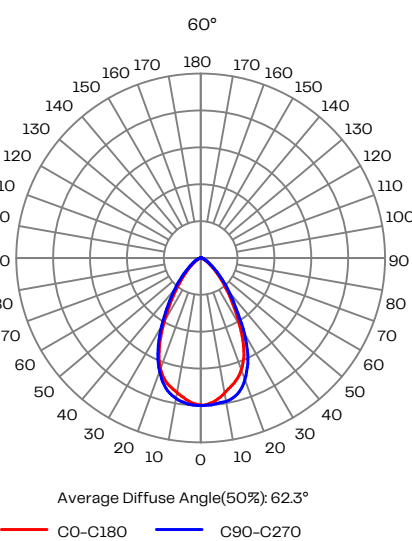
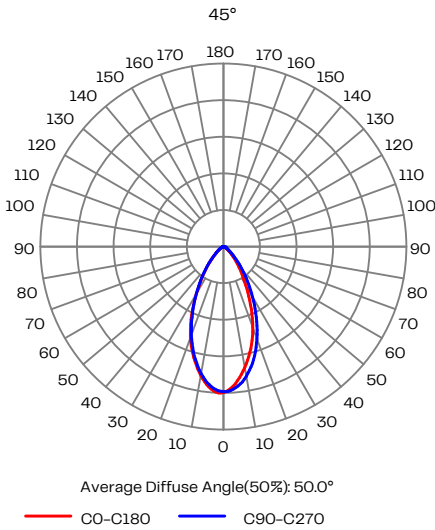
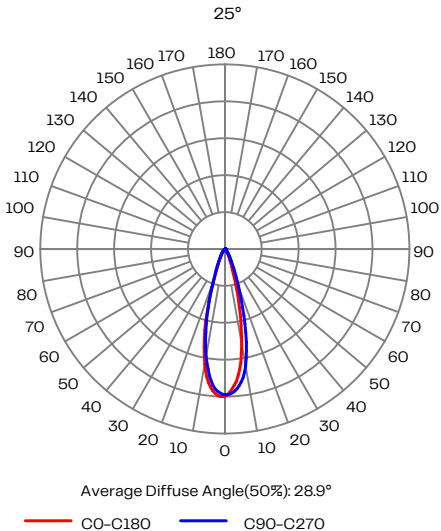
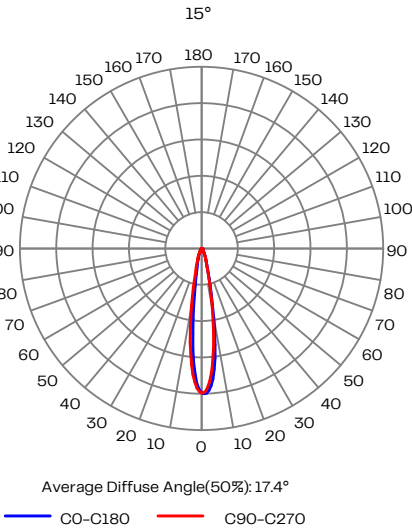
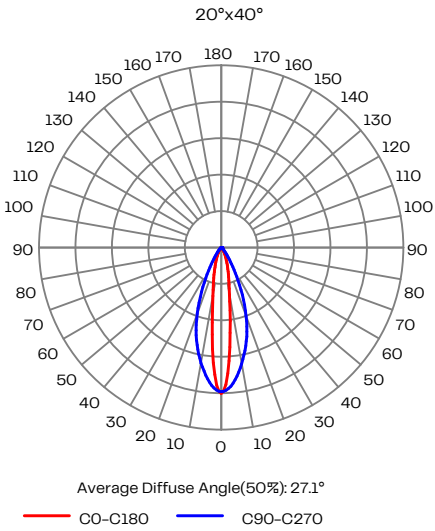
Accessories
☐ Half Glare Shield
☐ Honeycomb

Lighting Specifications

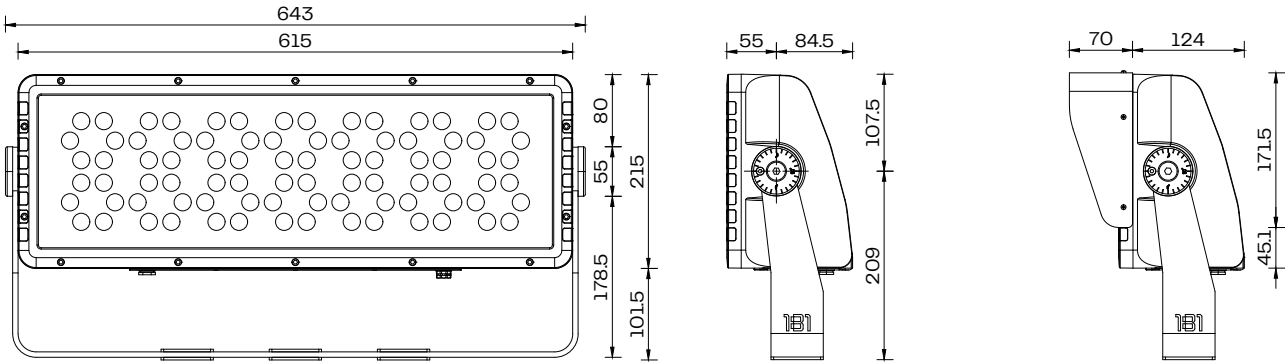
Beam F250 AC

	Full White (lm/m)	Cold White (lm/m)	Warm White (lm/m)
Tunable White 1800-6000K 15°	15882	9435	9724
Tunable White 1800-6000K 25°	16043	9530	9822
Tunable White 1800-6000K 45°	16203	9626	9920
Tunable White 1800-6000K 60°	15722	9340	9626
Tunable White 1800-6000K 20°x40°	15240	9054	9331
Tunable White 2700-6000K 15°	16206	9628	9922
Tunable White 2700-6000K 25°	16370	9725	10022
Tunable White 2700-6000K 45°	16534	9822	10123
Tunable White 2700-6000K 60°	16043	9530	9822
Tunable White 2700-6000K 20°x40°	15552	9239	9521

Photometric Distribution



Dimensions

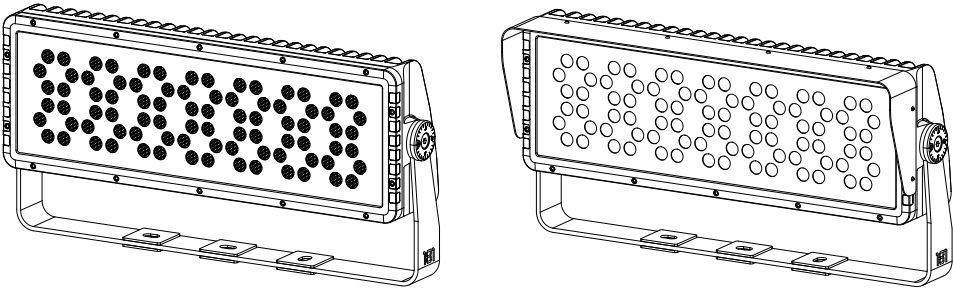


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Half Glare Shield

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

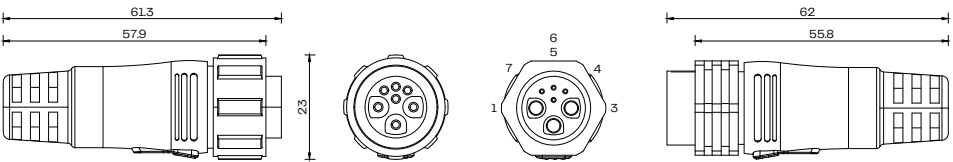
Accessories Options



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
3428177	Beam F250 AC Tunable White 1800–6000K 15°
3428179	Beam F250 AC Tunable White 1800–6000K 25°
3428181	Beam F250 AC Tunable White 1800–6000K 45°
3428183	Beam F250 AC Tunable White 1800–6000K 60°
3428185	Beam F250 AC Tunable White 1800–6000K 20°x40°
3428178	Beam F250 AC Tunable White 2700–6000K 15°
3428180	Beam F250 AC Tunable White 2700–6000K 25°
3428182	Beam F250 AC Tunable White 2700–6000K 45°
3428184	Beam F250 AC Tunable White 2700–6000K 60°
3428186	Beam F250 AC Tunable White 2700–6000K 20°x40°

Accessories

Reference	Description
3990976	Honeycomb
3990986	Half Glare Shield