Durable Stadium Lighting Solution

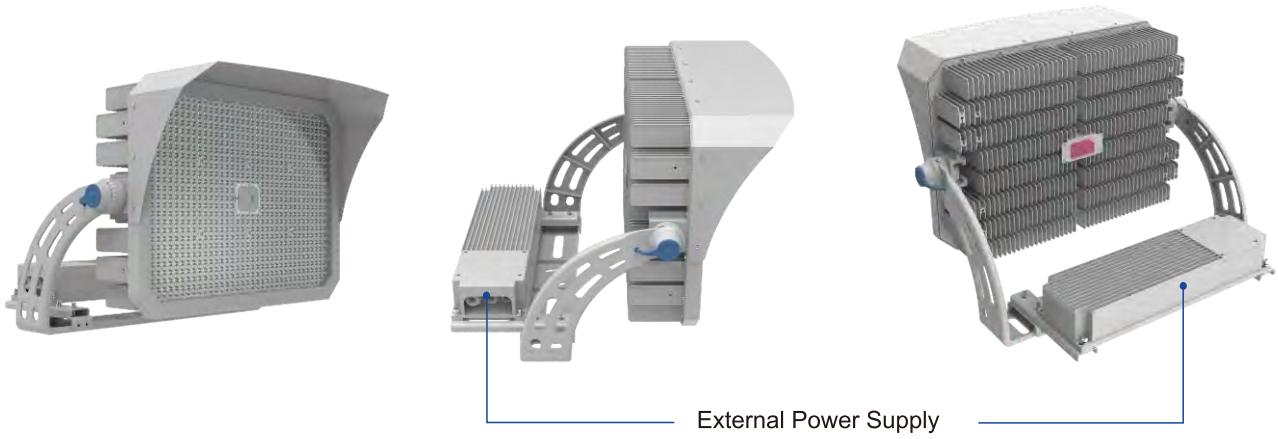


LED Sports Light

FL10 Series

Pan American
Professional Lighting Manufacturer

DongGuan Pan American Electronics Co., Ltd.



Product Description

Designed by our own R&D team, FL10 series LED sports light produces high brightness and enhanced glare-free illumination for specific venue to create bright and comfortable lighting. Wind resistant, suitable for wet location, ideal for outdoor large places as flood and area lighting.

Features

- **RGB/RGBW optional**

Construction:

- Ruggedly designed with 1017 aluminum alloy housing, excellent cooling performance.
- Standard unit comes with clear polycarbonate lens with great impact resistance, which ensures high lighting performance (toughened glass lens is optional).
- Professional design of heat sink for outstanding heat dissipation.

Electrical:

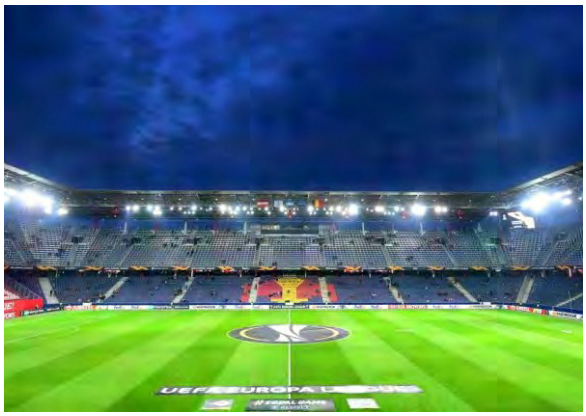
- Standard unit comes with 220-415V external driver.
- A wide CCT of 2700K to 6500K.

Mounting:

- Installation angle of fixture is flexible to adjust through rotation shaft of the mounting arm.
- Standard mounting method: bracket mounting. Bracket for lamp body and the fixture are assembled before packaged, but bracket for external driver are not.

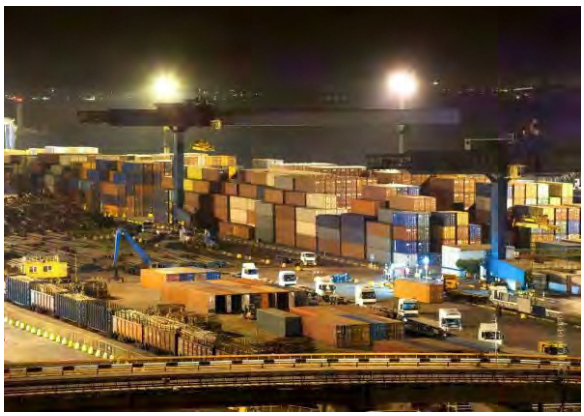
Compliance

CB



Application

- Sporting Facility
- Stadium
- Paper mills
- Container Loading Area
- Shipping Yard
- High Mast Roadway
- Airport
- Industrial Lighting
- Parking Lot
- Railway
- Port
- Public Square



Warranty

5-Year Standard Warranty
50,000 hours L70B50@35°C



Technical Parameter

• Electrical

Specification	FL10-xxxxWUUZYYYI
Rated Power	1500W/1650W/1800W for beam angle 15° and 25°; 1500W/1650W for beam angle P60°
Input Voltage	AC220-415V
Input Frequency	50/60Hz
Power Factor	> 0.9
Power Supply	Brand: Inventronics; External Power Supply (Standard)
Surge Protection	10kV

• Optical

Specification	FL10-xxxxWUUZYYYI
Beam Angle	15°/25°/P60°
LED Type	3737 (15°) / 5050 (25°)
CCT	2700K-6500K
CRI	Ra70(Standard), Ra80(Optional), Ra90(Optional)
Dimming	0-10V Dimming
Intelligent Control	DMX512/DALI

• Environmental

Specification	FL10-xxxxWUUZYYYI
Ambient Operating Temperature	-40°C to 45°C (-40°F to 113°F)

• Mechanical

Specification	FL10-xxxxWUUZYYYI
Housing Material	1017 Alum inum Alloy
Lens Material	Anti-UV Polycarbonate Optical Material (Standard), Glass (Optional)
Protection	IP66/IK08
Mounting	Bracket
Outlet Wire	DC line: Standard outlet length is 0.5 meters, and the outlet length can be customized AC line and dimming line are not included, but can be customized

• Packing Information

Model	Net Weight	Quantity/Carton	Package Dimension (LxWxH)
FL10 Fixture (with glass and no external driver)	28.69kg (63.25lb)	1 pc	28.94x16.34x18.50inch
FL10 Fixture (with no glass and no external driver)	22.57kg (49.76lb)	1 pc	28.94x16.34x18.50inch
External Power Supply	6.1kg (13.45lb)	1 pc	29.13x26.97x9.64inch

Technical Parameter

• Lumens & Efficacy @Ra70

Tolerance: ±5%

Beam Angle		15°			25°			P60°	
Wattage		1500W	1650W	1800W	1500W	1650W	1800W	1500W	1650W
with Chip Lens and No Glass	Efficacy (lm/W)	160	155	150	170	165	160	135	130
	Lumens Output	240,000	255,750	270,000	255,000	272,250	288,000	202,500	214,500
with Chip Lens and Glass	Efficacy (lm/W)	150	145	140	160	155	150	125	120
	Lumens Output	225,000	239,250	252,000	240,000	255,750	270,000	187,500	198,000

• Lumens & Efficacy @Ra80

Tolerance: ±5%

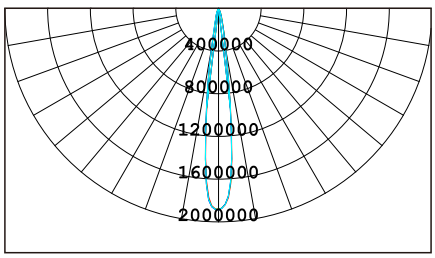
Beam Angle		15°			25°		
Wattage		1500W	1650W	1800W	1500W	1650W	1800W
with Chip Lens and No Glass	Efficacy (lm/W)	140	135	130	150	145	140
	Lumens Output	210,000	222,750	234,000	225,000	239,250	252,000
with Chip Lens and Glass	Efficacy (lm/W)	130	125	120	140	135	130
	Lumens Output	195,000	206,250	216,000	210,000	222,750	234,000

• Lumens & Efficacy @Ra90

Tolerance: ±5%

Beam Angle		15°			25°		
Wattage		1500W	1650W	1800W	1500W	1650W	1800W
with Chip Lens and No Glass	Efficacy (lm/W)	125	120	120	135	130	130
	Lumens Output	187,500	198,000	216,000	202,500	214,500	234,000
with Chip Lens and Glass	Efficacy (lm/W)	115	110	110	125	120	120
	Lumens Output	172,500	181,500	198,000	187,500	198,000	216,000

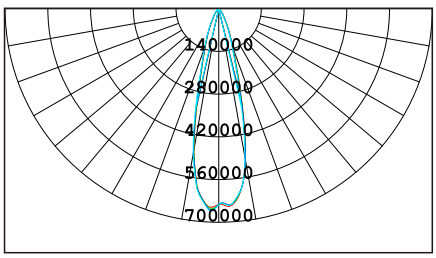
Photometric



15°

AVERAGE BEAM ANGLE(50%):13.7 DEG

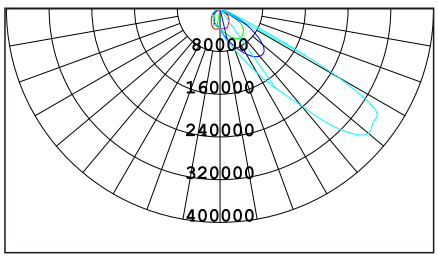
UNIT:cd
C0/180,13.7
C30/210,13.7
C60/240,13.7
C90/270,13.7



25°

AVERAGE BEAM ANGLE(50%):26.4 DEG

UNIT:cd
C0/180,26.5
C30/210,26.4
C60/240,26.4
C90/270,26.3

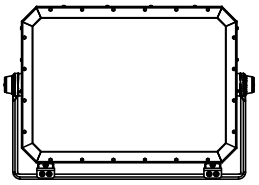


P60°

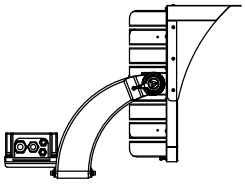
AVERAGE BEAM ANGLE(50%):60.5 DEG

UNIT:cd
C0/180,102.0
C30/210,67.9
C60/240,46.0
C90/270,26.3

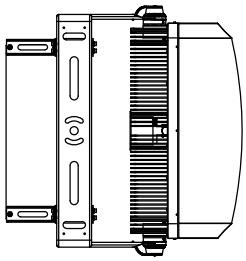
EPA



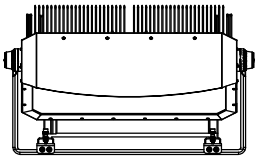
EAP: 3.85ft^2



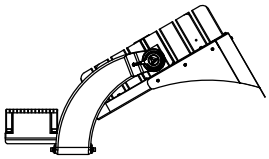
EAP: 1.47ft^2



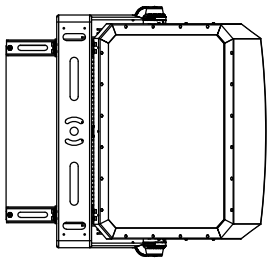
EAP: 4.00ft^2



EAP: 2.94ft^2



EAP: 1.33ft^2



EAP: 5.82ft^2

Ordering Guide

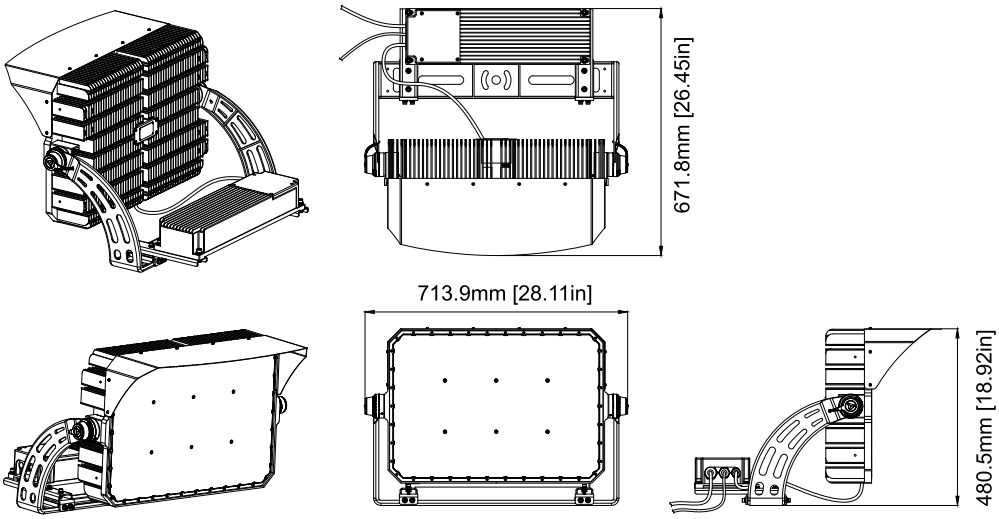
FL10	-	xxxxW	UU	Z	YYY	I
1		2	3	4	5	6

1. Product Series	2. Rated Power	3. Color Temperature (CCT)
FL10	1500W/1650W/1800W	27=2700K, 30=3000K, 40=4000K 45=4500K, 50=5000K, 55=5500K 60=6000K, 65=6500K

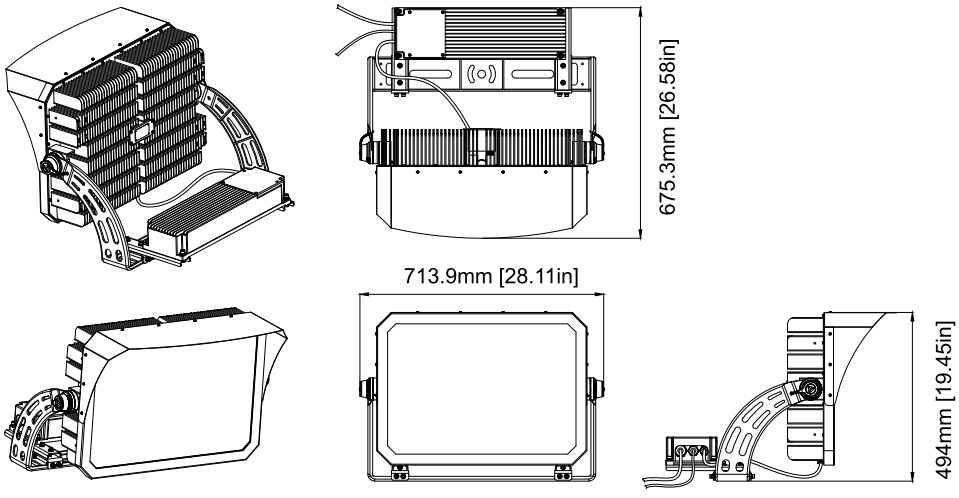
4. Dimming Option	5. Beam Angle	6. Input Voltage
D=Dimmable N=Non-dimmable	015=15° 025=25° P60=P60°	A=AC220-415V

Product Dimensions

Without Glass Diffuser



With Glass Diffuser



External Power Supply

