Durable Stadium Lighting Solution



LED Sports Light

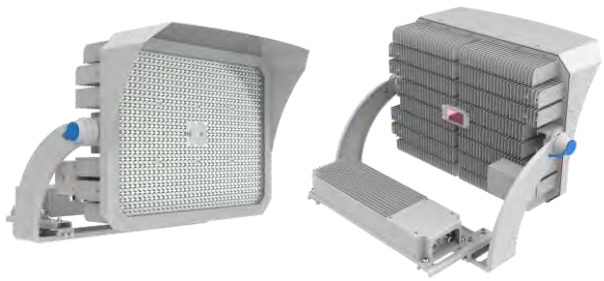
FL10 Series

Specsheet-2024-01 EN

IZUMI LED
TECHNOLOGY OF JAPAN



100-277Vac/277-480Vac
with power supply box



220-415Vac
with external power supply

c UL us LISTED

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:

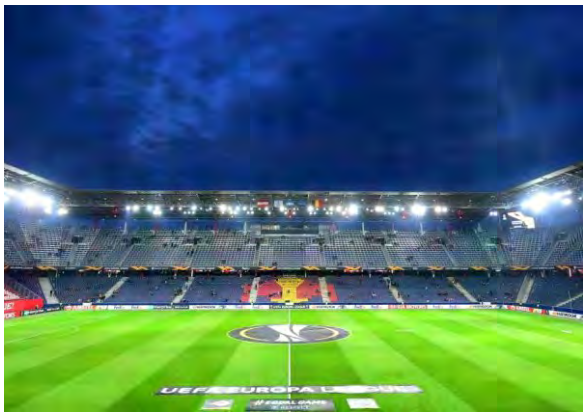
- Voltage 100-277Vac/277-480Vac with power supply box, 220-415Vac with external power supply.
- A wide CCT of 2700K to 6500K.

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

UL 1598



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

>100,000 hours L70B50@35C



Technical Parameter

• Electrical

Specification	FL10-xxxxW UXSQBZ
Rated Power	1500W/1650W/1800W for beam angle 15° and 20°; 1500W/1650W for beam angle P60°
Input Voltage	120-277Vac/277-480Vac/220-415Vac
Input Frequency	50/60Hz
Power Factor	> 0.9
Power Supply	Brand: MOSO/Inventronics 120-277Vac/277-480Vac with power supply box, 220-415Vac with external power supply
Surge Protection	10kV/20kV

• Optical

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

• Environmental

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

• Mechanical

Specification	FL10-xxxxW UXSQBZ
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

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

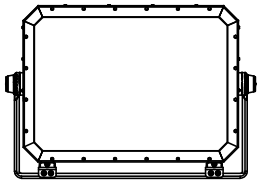
Tolerance: ±5%

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

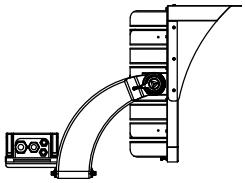
• Packing Information

Model	**Net Weight** ±0.2kg (0.44lb)	**Quantity/ Carton**	**Package Dimension (LxWxH)**
FL10 fixture with glass diffuser	28.5kg (62.8lb)	1 pc	820x760x260mm (32.28x29.92x10.24inch)
FL10 fixture with no glass diffuser	22.5kg (49.6lb)	1 pc	820x760x260mm (32.28x29.92x10.24inch)
FL10 fixture with power supply box	34.5kg (76.06lb)	1 pc	760x710x415mm (29.92x27.95x16.34inch)

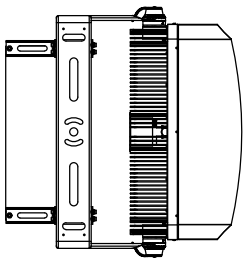
EPA



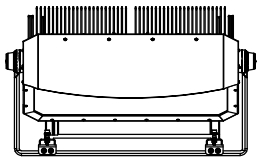
EAP: 3.85ft^2



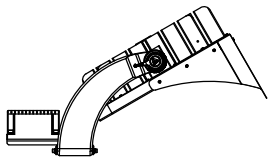
EAP: 1.47ft^2



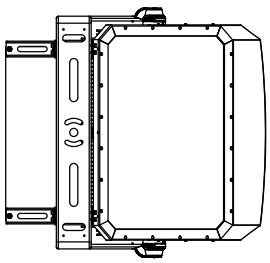
EAP: 4.00ft^2



EAP: 2.94ft^2

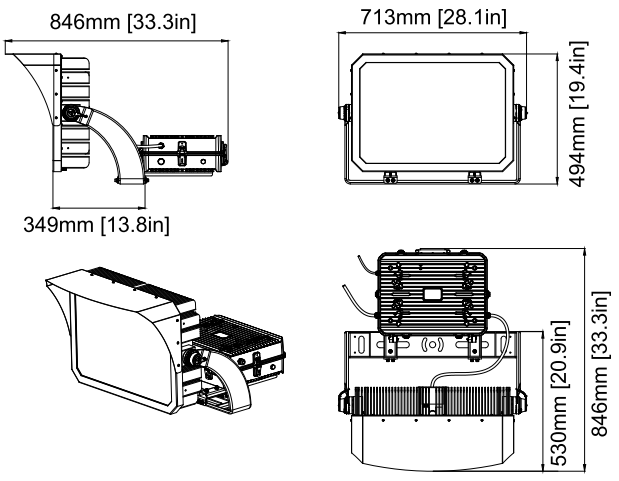


EAP: 1.33ft^2

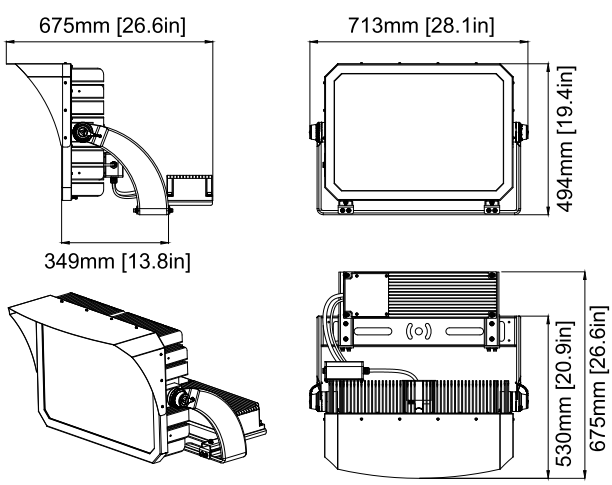


EAP: 5.82ft^2

Product Dimensions

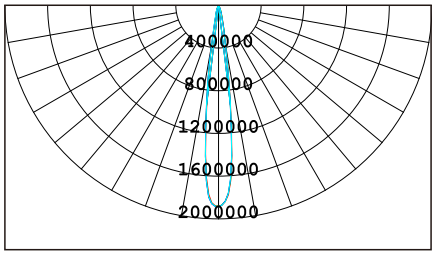


100-277Vac/277-480Vac
with power supply box



220-415Vac
with external power supply

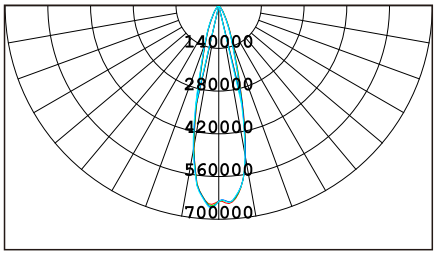
Photometric



15°

AVERAGE BEAM ANGLE(50%):13.7 DEG

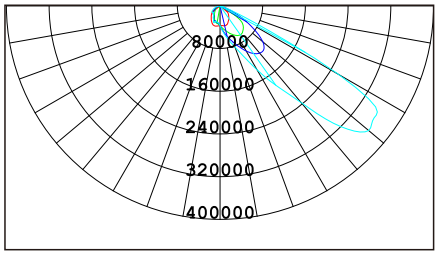
UNIT:cd
C0/180,13.7
C30/210,13.7
C60/240,13.7
C90/270,13.7



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

Ordering Guide

FL10	-	xxxxW	U	X	S	Q	B	Z
1		2	3	4	5	6	7	8

1. Product Series	2. Rated Power	3. Color Temperature (CCT)	4. Dimming Function
FL10	1500W 1650W 1800W	27=2700K, 30=3000K, 40=4000K 45=4500K, 50=5000K, 55=5500K 60=6000K, 65=6500K	D=Models with dimming function N=Models without dimming function

5. Light Angle of Diffuser	6. Sensor Option	7. Remote Driver Box Option	8. Input Voltage
15=15° 25=25° P60=P60°	N=without sensor	G=Models with remote driver box Blank=Models without remote driver box	A=120-277Vac E=277-480Vac H=220-440Vac