Electrical Information

Model No.	FL10-800	FL10-1200
Power Consumption (±3%)	800W	1200W
Power Supply	SOSEN (Inventronics is only used at high voltage)	
Input Voltage	120-277 VAC, 50 / 60 Hz (277-480 VAC, 50 / 60 Hz)	
Power Factor	>0.92	
Surge Protection	10kV line-line, 20kV line-earth	
Driver Type	Constant Current (CC)	
Control	Dimmable, DMX	

Optic Information

LED Type 1	LED 5050 (for 30°, 45°, 60°, 38x100°)	
Luminous Flux (±10%)	112000lm	168000lm
Efficacy (5000K Ra70)	140lm/W	
Beam Angle	F06003, F06005, F06006, F07001	
LED Type 2	LED 3737 (for 10°, 15°, 15x40°,14x108°)	
Luminous Flux (±10%)	104,000lm	156,000lm
Efficacy (5000K Ra70)	130lm/W	
Beam Angle	F06001, F06002, F06004, F07002	
Correlated Color Temperature	5000K (4000K optional)	
Color Rendering Index	Ra70 (Ra80 optional)	
UGR level	NA	

Description

A versatile flood light with full offerings from 200W to 1,200W. This fixture is ideal to retrofit the 400W to 1,500W traditional HID lamps. The modular design assembles quickly and with easy adjustments can accommodate a variety of field conditions, mounting heights, and lens angles for optimal illumination. Full complement of wattages from 800 to 1200W, replacing 1000W to 1500W HID lamps. Easy to install and adjust, with four beam angles to satisfy all sports field or outdoor applications requiring maximum precise illumination. 20KVA surge will assure proper operation during lightning events.

Dimensions and Mount

Product Dimension		723×668×270mm(28.46"X26.29"X10.62")	Fixture body	846×668×270mm(33.3"X26.29"X10.62")	
		420×295×150mm(16.53"X11.61"X5.90")	Fixture body		
Luminaire Net Weight		17±0.3kg(37.47±0.66lbs)		22±0.3kg(48.5±0.66lbs)	
		11.0±0.3kg(24.25±0.66lbs)	12.7±0.3kg(27.94±0.66lbs)		
Export Carton Size		760x620x300mm(29.92"x24.4"x11.81")	Fixture body	760x710x300mm(29.92"x27.95"x11.81")	
	Driver box	477x340x210mm(18.77"x13.38"x8.26")			
Gross Weight		19.8±0.3kg(43.65±0.66lbs)	Fixture body	25.2±0.3kg(55.56±0.66lbs)	
		12.0±0.3kg(26.45±0.66lbs)	13.7±0.3kg(30.14±0.66lbs)		
Mounting Option	Bracket mounting				
Material	Aluminum alloy				
	Tempered glass and polycarbonate optical lens				
Finish	Powder coating				
Fixture Color	Silvery grey(RAL9006)				
EPA	0.22m²/2.36ft²			0.34m²/3.66ft²	
	0.14m²/1.54ft²				
IK Rating	IK08				
IP Rating	IP66				
Category of corrosion	C3				

Key Features

• Modular design from 800W to 1200W.
• Vertically angle adjustment, easy way to adjust the light angle and create diversity of lighting environment.
• This convenient and humanized design enable it fit for different requests in outdoor lighting applications.
• Multiple optics option symmetric beam from 10° to 60°, also asymmetric beam to offer excellent
light pollution control.
• Efficiency up to 140lm/W, more energy saving.
• Provided with 10KV or 20KV built-in surge protection devices.

Lifespan and Warranty

Operating Temperature	-30°C to + 50°C (-22°F to 122°F)
Life Time of LED @Ta=25°C	44,000hrs-L90
	93,000hrs-L80
	147,000hrs-L70
Warranty	5 years

New Features

Please consult us for details.

Applications

• Parking lots
• Outdoor sports
• Square
• Stadium
• For recreational sports (tennis courts, basketball courts…)
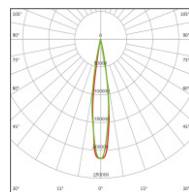• Exhibition center
• Soccer field

*Lumen ouput and light distribution are only for reference. Not all product variations listed on this page are DLC Standard/Premium qualified. Visit www.designlights.org/search to confirm qualification.
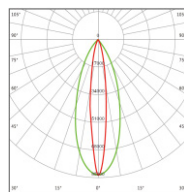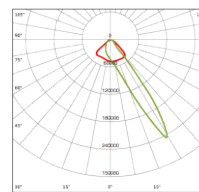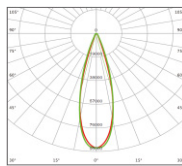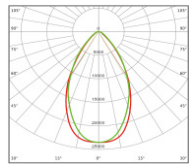
Photometry

LED3737
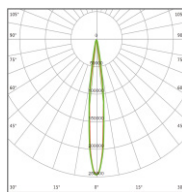
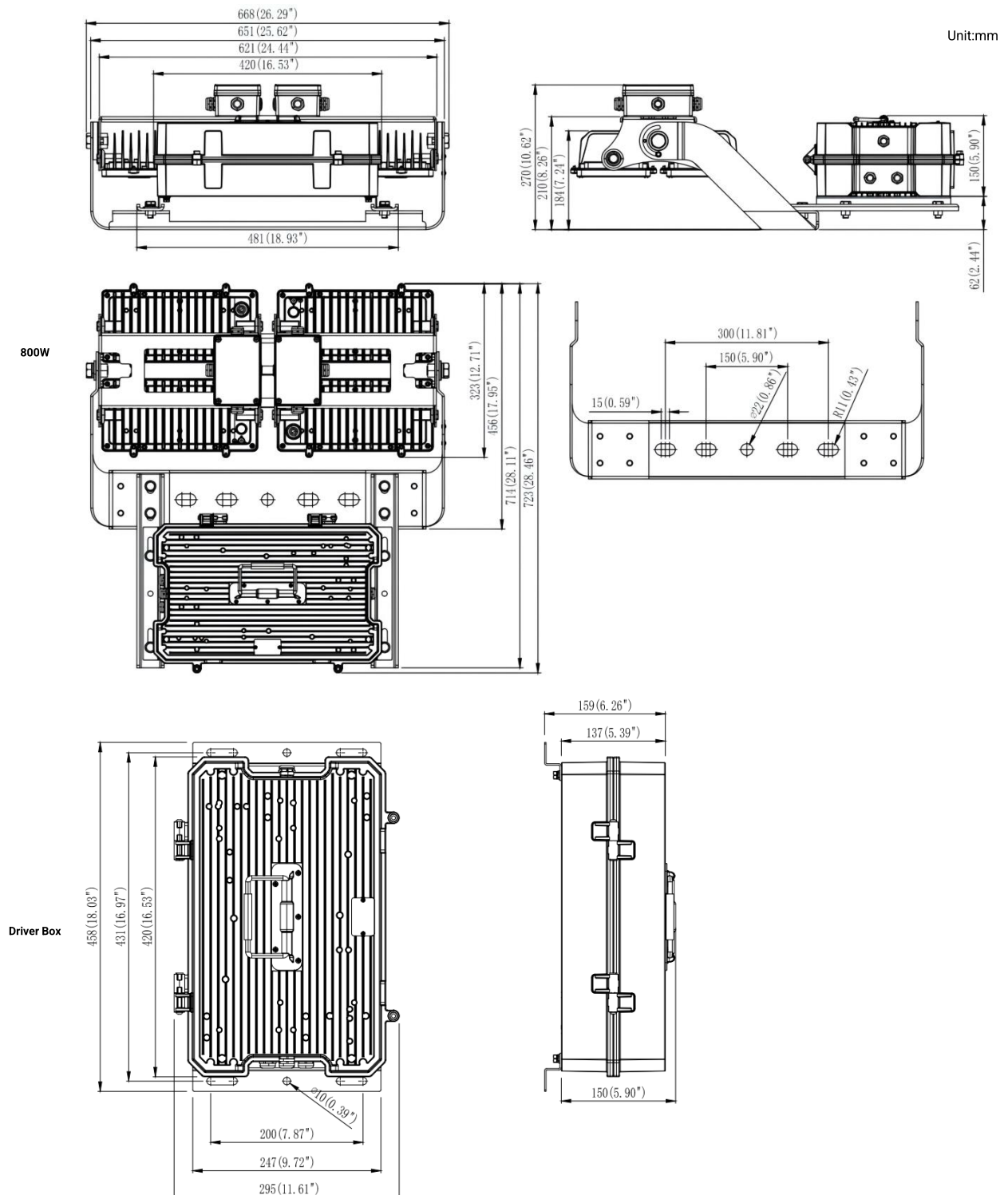| A06001	A06002	A06004	A07002

LED5050
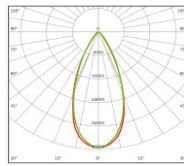
A06003	A06005	A06006	A07001
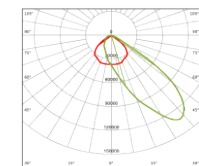
Mounting Options

Bracket mounting

800W

1200W

Dimensions

Unit:mm

800W

Driver Box

Dimensions

668 (26.29")
651 (25.62")
621 (24.44")
420 (16.53")
481 (18.93")

270 (10.62")
208 (8.18")
182 (7.24")
150 (5.90")
62 (2.44")

1200W

488 (19.21")
578 (22.75")
836 (32.91")
846 (33.3")

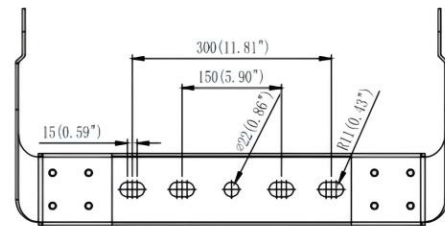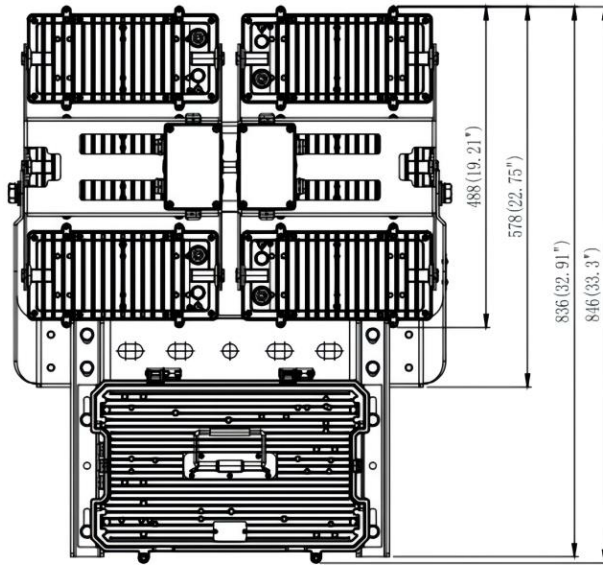300 (11.81")
150 (5.90")
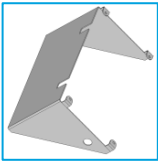15 (0.59")
Ø22 (0.86")
R11 (0.43")
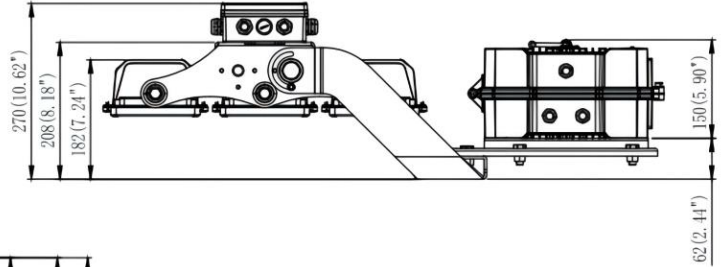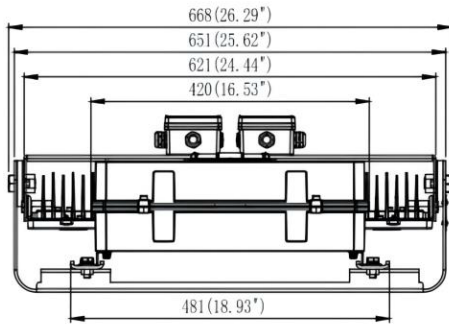
Accessories

Visor
SPCC materials, with powder coating, for single LED module.

Safety rope
Auxiliary safety device to prevent accidents.

Driver box (external application)
Driver box and junction box