

# LED Flood Lighting

## SFP Series

GigaTera®  
beyond light

SFP600 | SFP800 (Rear Mounted Driver Type)

### Product Description

- Lightweight (Max. 30.9lb/14kg), compact and low EPA (Max. 1.378ft²/0.128m²) for minimum structure load
- Outstanding cooling technology and durable design integrated with rear mounted driver
- Unique Inner Visor optic solution for outstanding light distribution, low light spill and low glare
- Various smart control options (DMX-RDM, DALI-2, Wireless Zigbee, Cloud Control, NEMA7, Synapse interface)



### Application

- Sports Stadium
- Indoor Venues
- Sports Fields
- Ports and Terminals

### Certification

- cUL
- UL
- ENEC, CE, CB, UKCA
- PSE, KC

### SFP Series (Rear Mounted Driver Type) Specifications

Model Name	SFP600			SFP800		
Power Consumption	600W					
CCT	5000K (5700K, 4000K, 3000K, 2700K optional)					
Luminous Flux * (lm)	63,600	73,800	81,600	80,000	94,400	104,800
Luminous Efficacy * (lm/W)	106	123	136	100	118	131
CRI	90Ra	80Ra	70Ra	90Ra	80Ra	70Ra
LED Driving Current	830 mA			1,111 mA		
Optic	15°(Symmetric) / 20°(Symmetric) / 30°(Asymmetric   Symmetric) / 45°(Symmetric)					
Input Voltage	200 ~ 480 Vac			200 ~ 480 Vac		
Input Current	Max. 3.52A (@200 Vac)			Max. 4.69A (@200 Vac)		
	Max. 1.47A (@480 Vac)			Max. 1.96A (@480 Vac)		
Inrush Current (I <sup>2</sup> t)	Max. 2.09 A²s, At 480Vac input, 25°C cold start, duration=11.6ms, 10%Ipk-10%Ipk					
Power Factor	≥0.9 at Max load					
Frequency	50 / 60 Hz					
Surge Protection	Line – Line 20kV, Line – FG 20kV					
Driver Installation Type	Rear Mounted Type					
Manufacturer	GigaTera Lighting Inc.					
PTX™ Length	100mm					
Size	Inch	14.6 x 19.6 x 12.6				
	mm	370.0 x 496.8 x 320.7				
Weight (Driver / BKT include)	30.9lb / 14.0kg (Standard straight type bracket)					
Material	Body	Cast Aluminum				
	Optic	Polycarbonate Lens				
	Cover	Tempered Glass 3.2T (Clear)				
Finish	Electro Deposition (Black Color)					
IP Rating	IP66					
IK Rating	IK08					
Effective Projected Area (EPA)	Front	1.389ft² / 0.129m²				
	Side	0.850ft² / 0.079m²				
Operating Temperature	-22°F ~ 131°F / -30°C ~ 50°C					
Operation Lifetime	> 100,000 hours (L90B10) at 25°C					
Option	Control	Wireless (Zigbee, NEMA7, Synapse Interface) / Wired (DMX512, DALI-2)				
	Bracket	See next pages				
Warranty	5 Years (10 years conditional warranty, TBS)					

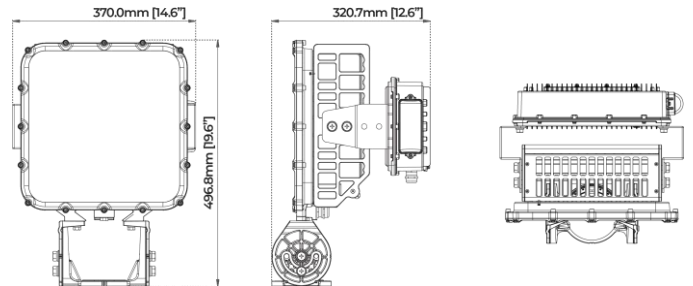
\* Tolerance : ± 5%

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## SFP600 | SFP800 – Standard Straight Type



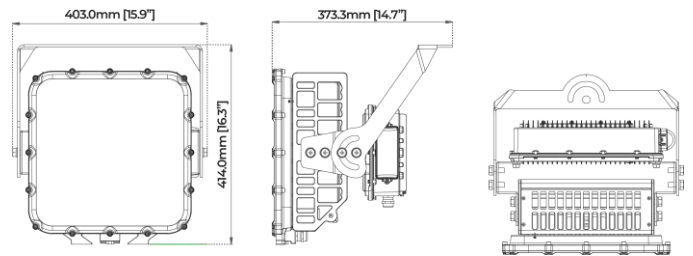
**Size & Weight** (100mm PTX Applied)

14.6 x 19.6 x 12.6 (inch) / 370.0 x 496.8 x 320.7 (mm) | 30.9 lb / 14.0 kg

**Effective Projected Area (EPA)**

Front : 1.389ft<sup>2</sup> / 0.129m<sup>2</sup>, Side : 0.850ft<sup>2</sup> / 0.079m<sup>2</sup>

## SFP600 | SFP800 – U Shape Bracket (Reverse Hanging Type, Optional)

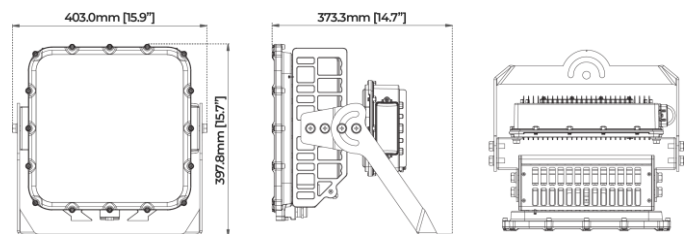


**Size & Weight** (100mm PTX Applied)

15.9 x 16.3 x 14.7 (inch) / 403.0 x 414.0 x 373.3(mm) | 31.5 lb / 14.3 kg

**Effective Projected Area (EPA)**

Front : 1.346ft<sup>2</sup> / 0.125m<sup>2</sup>, Side : 0.797ft<sup>2</sup> / 0.074m<sup>2</sup>



**Size & Weight** (100mm PTX Applied)

15.9 x 15.7 x 14.7 (inch) / 403.0 x 397.8 x 373.3(mm) | 31.5 lb / 14.3 kg

**Effective Projected Area (EPA)**

Front : 1.346ft<sup>2</sup> / 0.125m<sup>2</sup>, Side : 0.797ft<sup>2</sup> / 0.074m<sup>2</sup>

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SFP600 | SFP800 (Rear Mounted Driver Type)

## Control System (Optional)

<b>Wireless Control</b>	Zigbee
Input Voltage	12 Vdc
Max. Power Consumption	0.3W (@12 Vdc)
Standard	2.4 GHz – IEEE 802.15.4 (Compatible)
Network	Mesh
RF Tx Power	Max. +8 dBm (Typ. 5 dBm)
Data Rate	250 kbps
Security	128 bit AES Encryption Algorithms
Antenna	Omni Type, 2 dBi

<b>Wired Control</b>	RS-485	DMX512
Input Voltage	12 Vdc	
Max. Power Consumption	0.2W (@12 Vdc)	
Communication Method	RS-485	DMX512
Data Rate	115,200 bps, 8-N-1	250,000 bps, 8-N-2

<b>NEMA7 (Zhaga option available)</b>	
Mechanical	7 Position : 3 Power Contacts + 4 Dimming / Signal Contacts
Electrical	Power Contacts. 15A, Max.480Vac/dc
	Dimming Contacts. 0.10A, Max.10Vac/dc
Model Name	TE, 2213362-4(ANSI C136.41-2013 Dimming Receptacle)
	te.com

<b>DALI-2 standards IEC 62386-101, -102 &amp; -207</b>			
DA+, DA- High Level	Min. 9.5V	Typ. 16V	Max. 22.5V
DA+, DA- Low Level	Min. -6.5V	Typ. 0V	Max. 6.5V
DA+, DA- Current	Min. 0mA	-	Max. 2mA

<b>SFP600 - (5700K/5000K/4000K/3000K)</b>						
CCT	5700K			5000K		
Luminous Flux * (lm)	60,000	70,800	78,600	63,600	73,800	81,600
Luminous Efficacy * (lm/W)	100	118	131	106	123	136
CRI	90Ra	80Ra	70Ra	90Ra	80Ra	70Ra
CCT	4000K			3000K		
Luminous Flux * (lm)	60,000	70,800	78,600	57,000	67,800	75,600
Luminous Efficacy * (lm/W)	100	118	131	95	113	126
CRI	90Ra	80Ra	70Ra	90Ra	80Ra	70Ra

\* Tolerance : ± 5%

<b>SFP800 - (5700K/5000K/4000K/3000K)</b>						
CCT	5700K			5000K		
Luminous Flux * (lm)	76,000	90,400	100,800	80,000	94,400	104,800
Luminous Efficacy * (lm/W)	95	113	126	100	118	131
CRI	90Ra	80Ra	70Ra	90Ra	80Ra	70Ra
CCT	4000K			3000K		
Luminous Flux * (lm)	76,000	90,400	100,800	72,000	86,400	96,800
Luminous Efficacy * (lm/W)	95	113	126	90	108	121
CRI	90Ra	80Ra	70Ra	90Ra	80Ra	70Ra

\* Tolerance : ± 5%

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Ordering Information			Ordering Code Usage : SFP800-N50S157SDBNZBST						
SFP	Power Consumption	-	Input Voltage	CCT(K)	Beam Type	Angle	CRI	Body Type	Control System
	000		0	00	0	00	0	0	0
	600 = 600W 800 = 800W		N = AC200~480V	57 = 5700K 50 = 5000K 40 = 4000K 30 = 3000K	A = Asymmetric S = Symmetric	15 = 15° 20 = 20° 30 = 30° 45 = 45°	9 = 90Ra 8 = 80Ra 7 = 70Ra	S = Single D = Dual	N = No Option Z = Wireless (Zigbee) T = 0-10V D = DALI W = DMX-RDM G=Receptacle(NEMA7/Zhaga)