

LED Flood Lighting

SFP Series



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, Zhaga 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			800W		
CCT		5000K (5700K, 4000K, 3000K, 2700K optional)			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) / 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 (I²t)		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, Zhaga Interface) / Wired (DMX512, DALI-2)					
	Bracket	See next pages					
Warranty		5 Years (10 years conditional warranty, TBS)					

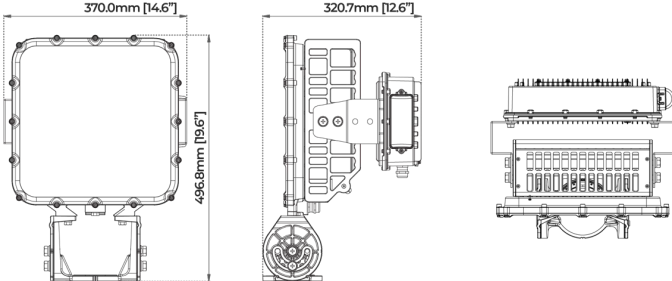
* Tolerance : ± 5%

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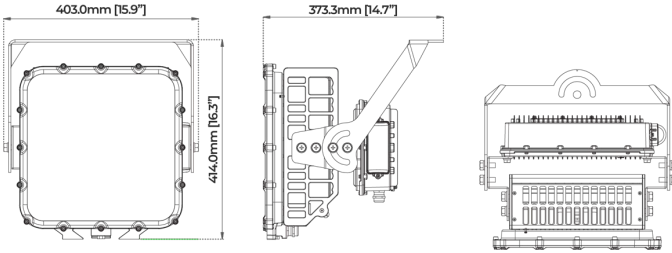
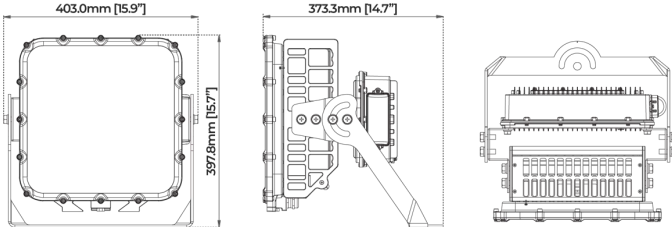


SFP600 | SFP800 (Rear Mounted Driver Type)

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 : 1.389ft² / 0.129m², Side : 0.850ft² / 0.079m²		

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 : 1.346ft² / 0.125m², Side : 0.797ft² / 0.074m²		
				
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 : 1.346ft² / 0.125m², Side : 0.797ft² / 0.074m²		

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Control System (Optional)

Wireless Control		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	

Wired Control		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

NEMA7 (Zhaga option available)	
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

DALI-2 standards IEC 62386-101, -102 & -207			
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

SFP600 - (5700K/5000K/4000K/3000K)

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%

SFP800 - (5700K/5000K/4000K/3000K)

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	Driver Type
	000		O	OO	O	OO	O	O	O
	300 = 300W 400 = 400W 600 = 600W 800 = 800W 1K2 = 1200W 1K5 = 1500W (Other options are available)		D = DC 200 H = AC200~277V N = AC200~480V P = AC277~480V	57 = 5700K 50 = 5000K 40 = 4000K 30 = 3000K	A = Asymmetric S = Symmetric	15 = 15° 30 = 30° 45 = 45°	9 = 90Ra 8 = 80Ra 7 = 70Ra	S = Single D = Dual	R = Remote type D = Direct mounted type B = Bridge bracket mounted type

Fixture Color	Visor	Control System	Bracket
O	O	OO	OO
B = Black G = Grey	N = None L = Left Side R = Right Side T = Triple Side / Triangle	ZB = Zigbee RS = RS-485 DM = DMX512 D2 = DALI-2 NM = NEMA socket ZG = Zhaga socket DG = Digital	ST = Standard Straight type bracket RH = Reverse Hanging type bracket AT = Arm Tenon type bracket YS = Yoke Straight type bracket YR = Yoke Reverse type bracket IW = Internal Wiring type bracket