

LED Flood Lighting

SFP Series

GigaTera®
beyond light

SFP1K2 (Rear Mounted Driver Type)

Product Description

- Lightweight (Max. 39.7lb/18kg), compact and low EPA (1.873ft²/0.174m²) 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	SFP1K2		
Power Consumption	1200W		
CCT	5000K (5700K, 4000K, 3000K, 2700K optional)		
Luminous Flux * (lm)	120,000	141,600	157,200
Luminous Efficacy * (lm/W)	100	118	131
CRI	90Ra	80Ra	70Ra
LED Driving Current	1,040 mA		
Optic	15°(Symmetric) / 20°(Symmetric) / 30°(Asymmetric Symmetric) / 45°(Symmetric)		
Input Voltage	200 ~ 480 Vac		
Input Current	Max. 6.94A (@ 200 Vac)		
	Max. 2.96A (@ 480 Vac)		
Inrush Current (I²t)	Max. 2.09 A²s, At 480Vac input, 25°C cold start, duration=11.6ms, 10%lpk-10%lpk		
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	19.3 x 19.6 x 12.7	
	mm	491.0 x 496.5 x 323.0	
Weight (Driver / BKT include)	39.7lb / 18kg (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	1.873ft² / 0.174m²	
	Side	0.861ft² / 0.080m²	
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)		

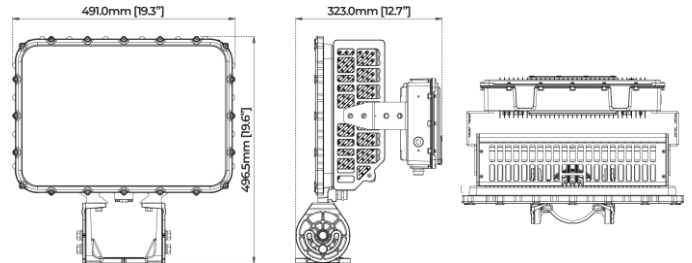
* Tolerance : ± 5%

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SFP1K2 (Rear Mounted Driver Type)

SFP1K2 – Standard Straight Type



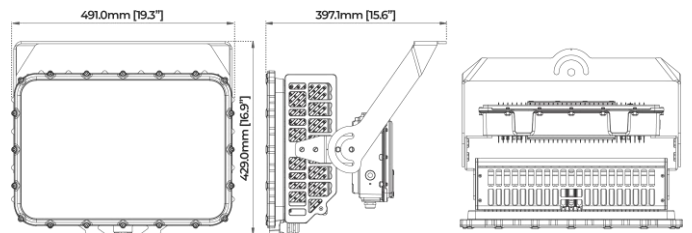
Size & Weight (100mm PTX Applied)

19.3 x 19.6 x 12.7 (inch) / 491.0 x 496.5 x 323.0 (mm) | 39.7lb / 18.0kg

Effective Projected Area (EPA)

Front : 1.873ft² / 0.174m², Side : 0.861ft² / 0.080m²

SFP1K2 – U Shape Bracket (Reverse Hanging Type, Optional)

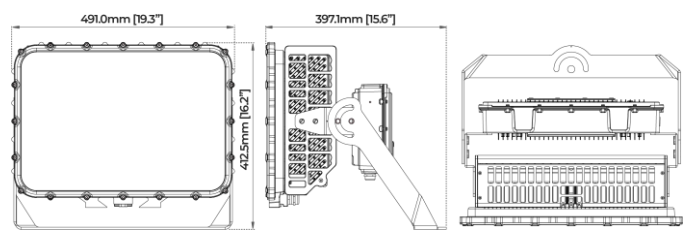


Size & Weight (100mm PTX Applied)

19.3 x 16.9 x 15.6 (inch) / 491.0 x 429.0 x 397.1 (mm) | 41.9lb / 19.0Kg

Effective Projected Area (EPA)

Front : 1.862ft² / 0.173m², Side : 0.807ft² / 0.075m²



Size & Weight (100mm PTX Applied)

19.3 x 16.2 x 15.6 (inch) / 491.0 x 412.5 x 397.1 (mm) | 41.9lb / 19.0Kg

Effective Projected Area (EPA)

Front : 1.862ft² / 0.173m², Side : 0.829ft² / 0.077m²

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SFP1K2 (Rear Mounted Driver Type)

Control System (Optional)

Zigbee		Wireless Control	
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

SFP1K2 - (5700K/5000K/4000K/3000K)

CCT	5700K			5000K		
Luminous Flux * (lm)	114,000	135,600	151,200	120,000	141,600	157,200
Luminous Efficacy * (lm/W)	95	113	126	100	118	131
CRI	90Ra	80Ra	70Ra	90Ra	80Ra	70Ra
CCT	4000K			3000K		
Luminous Flux * (lm)	114,000	135,600	151,200	108,000	129,600	145,200
Luminous Efficacy * (lm/W)	95	113	126	90	108	121
CRI	90Ra	80Ra	70Ra	90Ra	80Ra	70Ra

* Tolerance : ± 5%

Ordering Information

Ordering Code Usage : SFP1K2-P50S157SDBNZBST

SFP	Power Consumption	-	Input Voltage	CCT(K)	Beam Type	Angle	CRI	Body Type	Control
	000		0	00	0	00	0	0	0
	1K2 = 1200W		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)