

LED Sports Flood Lighting

SUFA-A Series

GigaTera[®]
beyond light

SFA1K2 / SFA800

Product Description

- High luminous efficacy
- Ultimate 1 to 1 replacement for 2kW HID
- Glare free & No light pollution from Narrow beam reflector
- Flicker free proven upto 1,500 fps ultra slow-motion
- High CRI & R9 Content better visibility
- Tilt and rotate for easy aiming
- Linkage with wired control system even for event light control

Application

- Sports Stadium / Complex / Facilities
- Indoor Venues
- Port / Harbor

Certification

- UL
- CE
- FCC
- PSE
- RCM
- KC



[SFA1K2 / SFA800]

SUFA-A Series Specifications

Model Name		SFA1K2			SFA800		
Power Consumption		1,200W (600W x 2modules)			800W (800W x 1modules)		
CCT		5000K (5700K / 4000K / 3000K available)					
Luminous Flux *		120,000 lm	126,000 lm	138,000 lm	80,000 lm	84,000 lm	92,000 lm
Luminous Efficacy *		100 lm/W	105 lm/W	115 lm/W	100 lm/W	105 lm/W	115 lm/W
CRI		90 Ra	80 Ra	70 Ra	90 Ra	80 Ra	70 Ra
LED Driving Current		1,000 mA					
Light Distribution		15° / 30° / 45°					
Input Voltage		DC100V (through RED)			DC200V (through BLU)		
Fixture Manufacturer		GigaTera Inc. (Made in Korea)					
Weight (Exclude Driver)		39.7 lb / 18.0 kg			28.6 lb / 13.0 kg		
Material	Body	Cast Aluminum					
	Optic	AL Coating Reflector					
	Cover	Tempered Glass 3.2T (Clear), Anti UV & Dust, Shatter Proof			Tempered Glass 4.0 T (Clear), Anti UV & Dust, Shatter Proof		
Finish		Powder Coating					
IP Rating		IP66					
Effective Projected Area	Front (ft² / m²)	2.335 / 0.217			1.520 / 0.141		
	Side (ft² / m²)	1.824 / 0.170			0.880 / 0.082		
Operating Temperature		-22°F ~ 131°F / -30°C ~ 55°C					
Warranty		5 Years (12 hours usage per day)					

* Tolerance : ± 5%

Remote Driver Specifications

Model Name		RED1K2	BLU1K0
Power Consumption		1,300W	855W
Compatible Model		SFA1K2	SFA800
Input Voltage		200 ~ 277 Vac / 200 ~ 240 Vac / 347 ~ 480 Vac	
Output Voltage		DC100V	
Input Current		Max. 7.6A (@200 Vac)	Max. 5.0A (@200 Vac)
		Max. 4.4A (@347 Vac)	Max. 2.9A (@347 Vac)
Power Factor		≥0.9 at Max load	
Frequency		50 / 60 Hz	
Surge Protection		Line – Line 20kV, Line – FG 20kV	

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SUFA-A Series

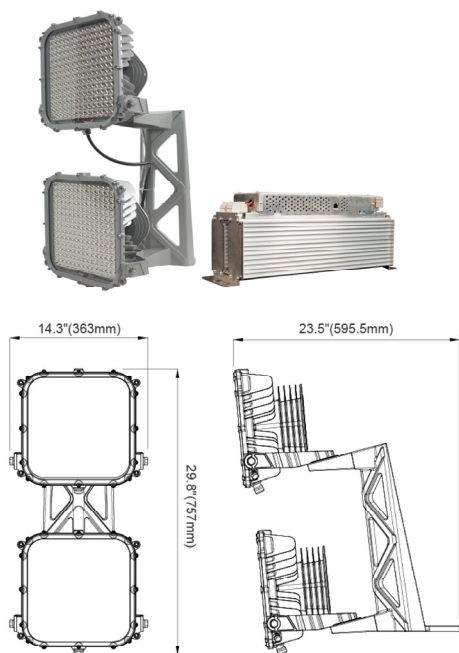
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SFA1K2 / SFA800

Fixture Manufacturer		GigaTera Inc. (Made in Korea)	
Weight	Exclude IP box	28.7 lb / 13.0 kg	22.0 lb / 10.0 kg
	Include IP box	44.1 lb / 20 kg	
Option	Control	Wired (RS-485, DMX-512)	Wired (RS-485, DMX-512), Wireless (Zigbee), NEMA-7
IP Rating		IP66 (When IP box applied)	IP66
Warranty		5 Years (12 hours usage per day)	

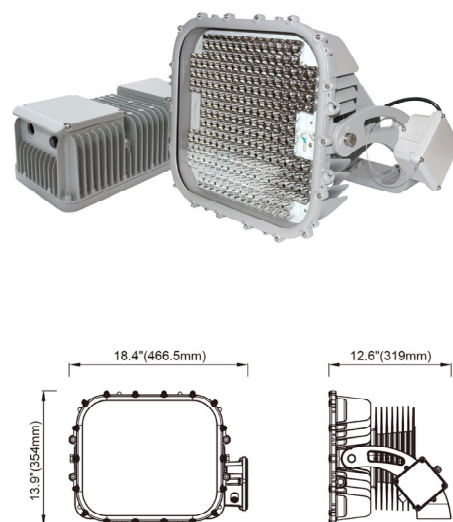
SUFA-A 1,200W

SUFA-A 800W



Size

14.3 x 29.8 x 23.5 (inch)
363.0 x 757.0 x 595.5 (mm)

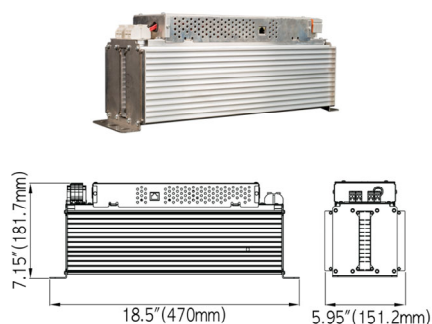


Size

18.4 x 13.9 x 12.6 (inch)
466.5 x 354.0 x 319.0 (mm)

Remote Driver Dimension

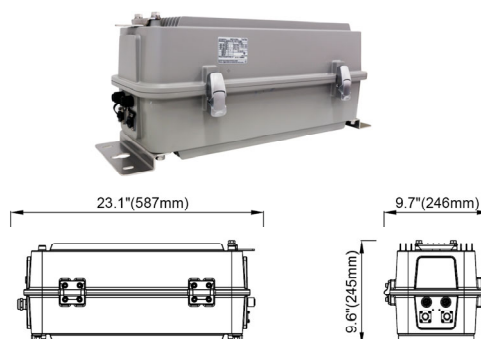
RED (Wired)



Size

18.5 x 6.0 x 7.2 (inch)
470.0 x 151.2 x 181.7 (mm)

RED IP66 BOX (Optional)



Size

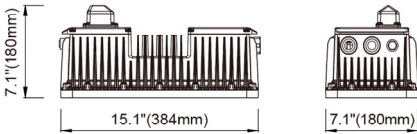
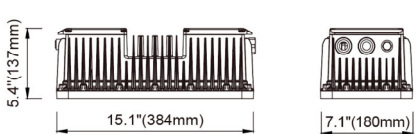
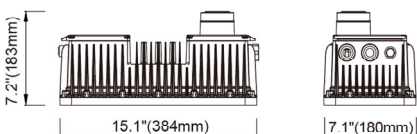
23.1 x 9.7 x 9.6 (inch)
587.0 x 246.0 x 245.0 (mm)

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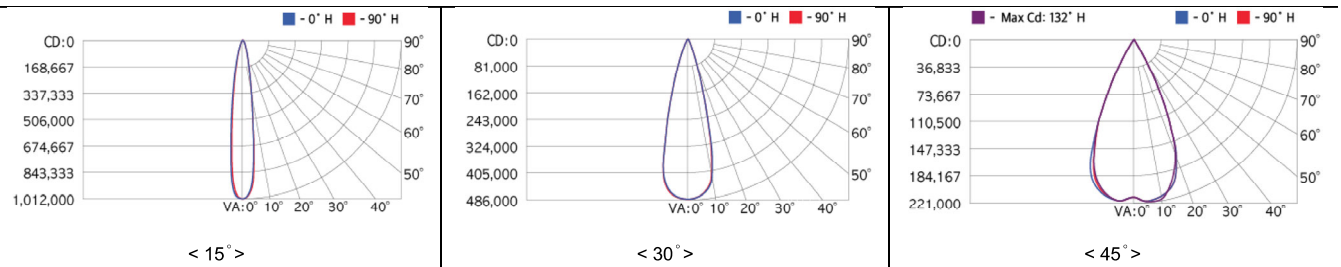
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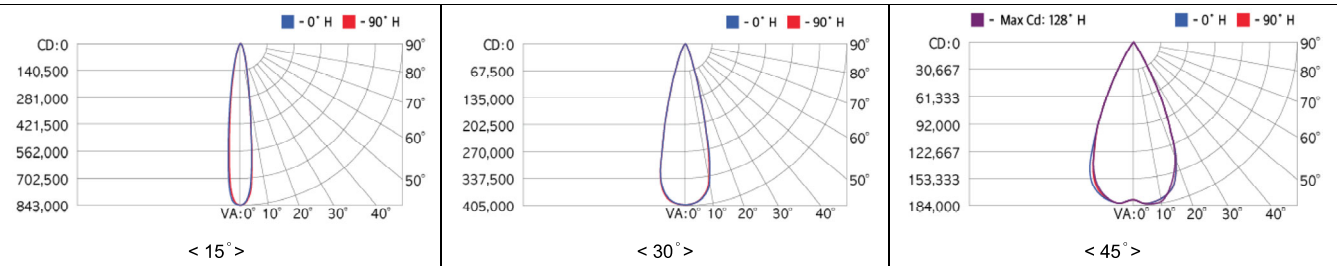
BLU (Wireless)		BLU (Wired)		BLU (NEMA-7)	
  7.1" (180mm) x 15.1" (384mm) x 7.1" (180mm)		  5.4" (137mm) x 15.1" (384mm) x 7.1" (180mm)		  7.2" (183mm) x 15.1" (384mm) x 7.1" (180mm)	
Size	15.1 x 7.1 x 7.1 (inch) 384.0 x 180.0 x 180.0 (mm)	Size	15.1 x 7.1 x 5.4 (inch) 384.0 x 180.0 x 137.0 (mm)	Size	15.1 x 7.1 x 7.2 (inch) 384.0 x 180.0 x 183.0 (mm)

Photometry Data

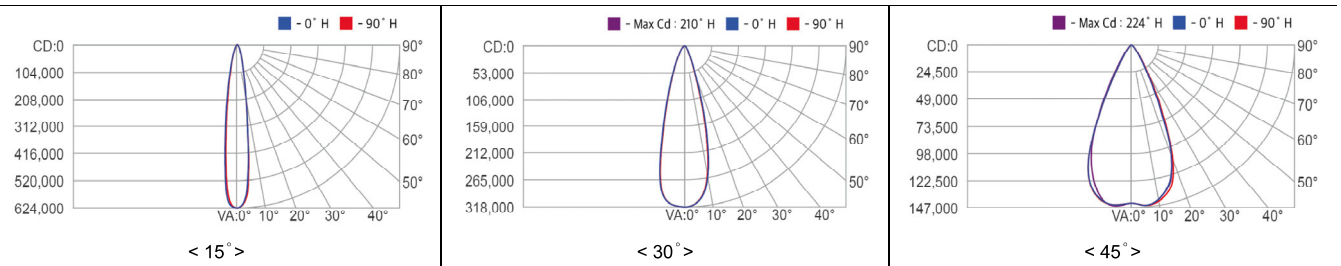
SFA1K2 / 5000K / 80Ra



SFA1K0 / 5000K / 80Ra



SFA800 / 5000K / 80Ra



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Control System (Optional)

Wireless Control		ZigBee	
Input Voltage		15 Vdc	
Max. Power Consumption		0.3W (@15 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	DMX-512
Input Voltage		15 Vdc	
Max. Power Consumption		0.2W (@15 Vdc)	
Communication Method		RS-485	DMX-512
Data Rate		115,200 bps, 8-N-1	250,000 bps, 8-N-2

NEMA-7			
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	

Ordering Information

Ordering Code Usage : SFA1K2-H500157

SFA	0 0 0	-	0	0 0	0 0 0	0
	Power Consumption		Input Voltage	CCT (K)	Beam Angle	CRI
	1K2 = 1,200W		V = DC100V	57 = 5700K 50 = 5000K 40 = 4000K 30 = 3000K	045 = 45° 030 = 30° 015 = 15°	9 = 90 Ra 8 = 80 Ra 7 = 70 Ra
	800 = 800W		X = DC200V			

Ordering Information

Ordering Code Usage : RED1K2-HVW

RED	0 0 0	-	0	0	0
	Power Consumption		Input Voltage	Output Voltage	Control System
	1K2 = 1,300W		K = AC200 ~ 240V H = AC200 ~ 277V C = AC347 ~ 480V	V = DC100V	W = Wired(RS-485) M = Wired(DMX-512)

Ordering Information

Ordering Code Usage : BLU800-HXW

BLU	0 0 0	-	0	0	0
	Power Consumption		Input Voltage	Output Voltage	Control System
	1K0 = 855W		K = AC200 ~ 240V H = AC200 ~ 277V C = AC347 ~ 480V	X = DC 200V	W = Wired(RS-485) M = Wired(DMX-512) Z = Wireless(Zigbee) G = NEMA-7