



SFL1/SFL2

Specialty Flood and Highbay Luminaire



The SFL-LED fixture is a **versatile, high performance** specialty flood light. It can be used as a sports flood light in recreational and collegiate outdoor fields, or it can also be used as a highbay fixture in applications such as airplane hangars and large warehouses. Constructed with an intelligently designed heat sink to facilitate maximum air flow, the fixture is lightweight compared to most specialty or sports floods and has angle increments calibrated on the housing. The SFL offers multiple controls options, including 3PIN/7PIN receptacle, twist lock photocell and Bluetooth Controlled.

Slip Fitter



Yoke



Highbay Yoke



MOUNTING SOLD SEPARATELY

IDEAL APPLICATIONS

- ✓ Stadiums and Arenas

✓ Construction Sites

✓ Airplane Hangars

✓ Shipping yards
- ✓ Large Distribution Centers

✓ Rail and Work Yards

✓ Monuments and Facades

✓ Bridges

SPECIFICATIONS

	SFL1-LED500	SFL2-LED600	CONSTRUCTION	
PERFORMANCE			Housing	Die Cast Aluminum
Light Output	75 600 lm	92 500 lm	Lens	Polycarbonate
Efficacy	148 lm/W	154 lm/W	Finish	Matte Black, Custom Colours (optional)
CCT	4000K, 5000K		Mounting	Yoke Mount, Slip Fit, Highbay Yoke Mount
Beam Distribution	30°, 40°, 80°	20°, 30°, 40°, 60°	Cable Length	Input power: 10ft (3m) Cable (SJOW 3x16 AWG) Dimming: 10ft (3m) cable (SJOW 2x18 AWG) Custom cable length available
CRI	70			
LED Lifetime (L76)	100 000 hrs		Options Sold Separately	Standard Yoke Mount, Slip Fitter, Highbay Yoke Mount, Visor, Laser Pointer (comes with one rechargeable battery and battery charger)
Replaces	750W MH	1000W MH		
ELECTRICAL			CONTROLS	
Wattage	508 W	601 W	Factory Installed	Twist Lock Photocell, 3PIN/7PIN Receptacle with shorting cap, Bluetooth Controls
Voltage	120-347 V			
Surge Protection	6kV Internal (with driver), 10kV External (added to every fixture) Optional 20kV Surge Protection		CERTIFICATIONS	
THD	15%		cULus certified as per UL1598 & CSA C22.2 NO. 250.0:21, IP66, IK08, IK07 (SFL2), Wet Location, 3G Vibration Tested, DLC Premium	
Power Factor	0.9		Note: Reported performance values were tested at 120V and 5000K for the highest wattage setting.	
Dimming	0-10V (Dim to Off)			
AMBIENT OPERATING TEMPERATURE				
-40°C to 45°C (-40°F to 113°F)				



ORDERING GUIDE

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Fixture	Wattage	Voltage	Colour Temp.	Optics	Finish	Dimming	Optional	Surge Protection
SFL1	LED500	H - 120-347V*	4K - 4000K	20DEG ² 20 Degrees	BLK - Matte Black*	DIM - 0-10V Dimming	BLANK - No Controls*	SP10 - 10kV Surge Protection*
SFL2	LED600	B - 120-277V	5K - 5000K	30DEG - 30 Degrees	CC - Custom Colour		PC - Twist Lock Photocell	SP20 ^a - 20kV Surge Protection
				40DEG - 40 Degrees			BC - Bluetooth CONTROLLED	
				60DEG ² 60 Degrees			7PIN - 7 PIN Receptacle for Smart Controls	
				80DEG ¹ 80 Degrees			3PIN - 3 PIN Receptacle	

*Standard Configuration

¹ Available with SFL1 only (80DEG)

² Available with SFL2 only (20DEG, 60DEG)

^a SP20 available for 120-277V only

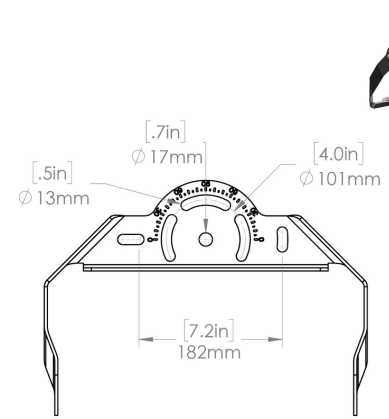
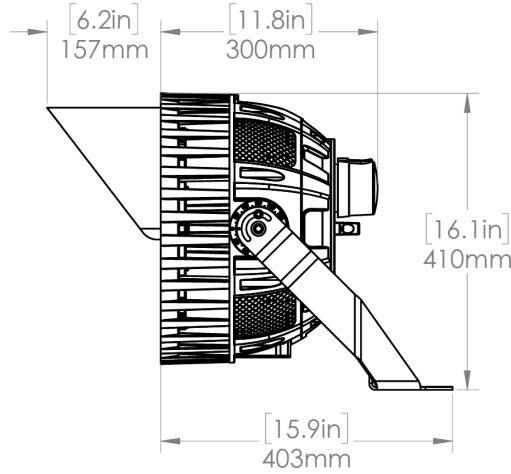
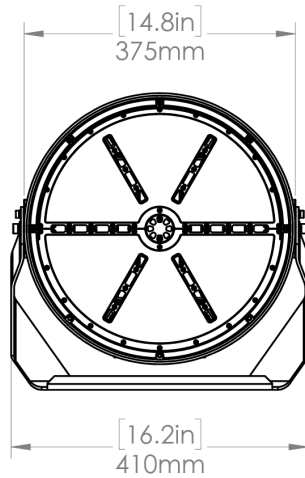
STOCK CODE	DESCRIPTION	STOCK CODE	DESCRIPTION
093537	SFL1-LED500-H-4K-30DEG-BLK-DIM-SP10	081911	SFL2-LED600-H-4K-20DEG-BLK-DIM-SP10
093691	SFL1-LED500-H-4K-40DEG-BLK-DIM-SP10	093699	SFL2-LED600-H-4K-30DEG-BLK-DIM-SP10
093693	SFL1-LED500-H-4K-80DEG-BLK-DIM-SP10	093702	SFL2-LED600-H-4K-40DEG-BLK-DIM-SP10
093690	SFL1-LED500-H-5K-30DEG-BLK-DIM-SP10	093533	SFL2-LED600-H-4K-60DEG-BLK-DIM-SP10
093692	SFL1-LED500-H-5K-40DEG-BLK-DIM-SP10	081912	SFL2-LED600-H-5K-20DEG-BLK-DIM-SP10
093698	SFL1-LED500-H-5K-80DEG-BLK-DIM-SP10	093532	SFL2-LED600-H-5K-30DEG-BLK-DIM-SP10
		093703	SFL2-LED600-H-5K-40DEG-BLK-DIM-SP10
		093701	SFL2-LED600-H-5K-60DEG-BLK-DIM-SP10

ACCESSORIES SOLD SEPARATELY

002494	SFL-LASER POINTER Used to accurately aim the fixture to the desired location. Range of the laser pointer is 200 meters. It is operated by rechargeable battery. Note: Laser pointer package includes one DC (rechargeable) battery and battery recharger.		084215	BLUETOOTH 3-KEY AC LINE VOLTAGE WALL SWITCH 120-277VAC, 3-KEYS(ON/OFF, DIM+, DIM-)	
002491	SFL1-VISOR BLK		002492	SFL2/3-VISOR BLK	
002488	SFL1-SPORT FLOOD LIGHT YOKE BLK		002489	SFL2 - SPORT FLOOD LIGHT YOKE BLK	
002483	SFL1- SLIP FIT BLK		002484	SFL2- SLIP FIT BLK	
002486	SFL1-HIGHBAY YOKE BLK		002487	SFL2-HIGHBAY YOKE BLK	

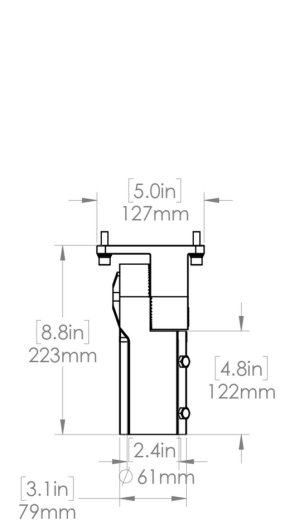
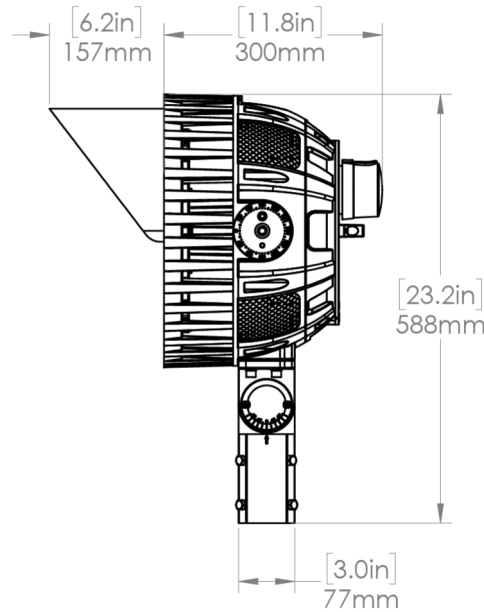
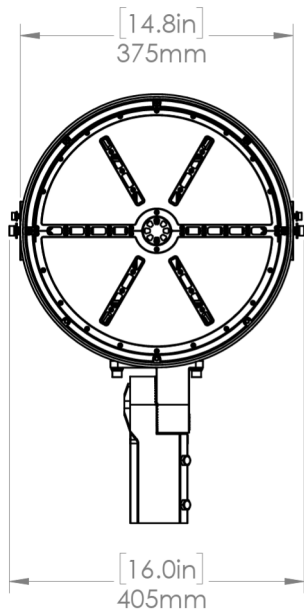
SFL1 DIMENSIONS

SFL1 YOKE



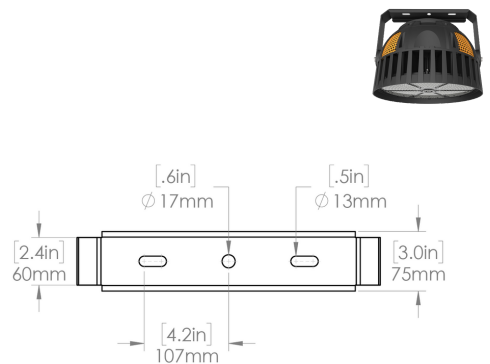
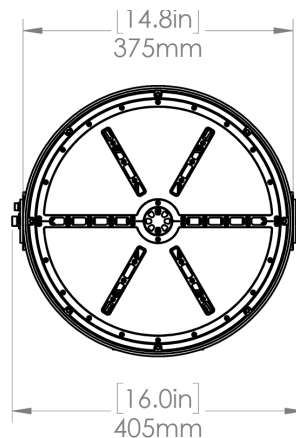
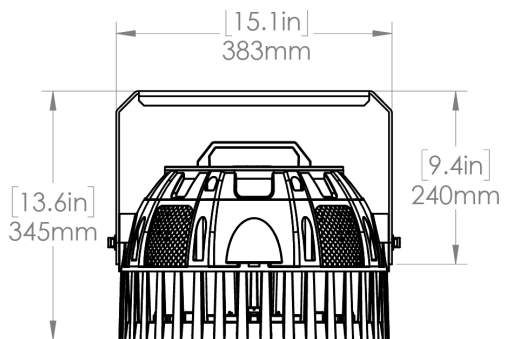
Vertical angle marking increment: 7.5°
Horizontal angle marking increment: 5°

SFL1 SLIP FIT



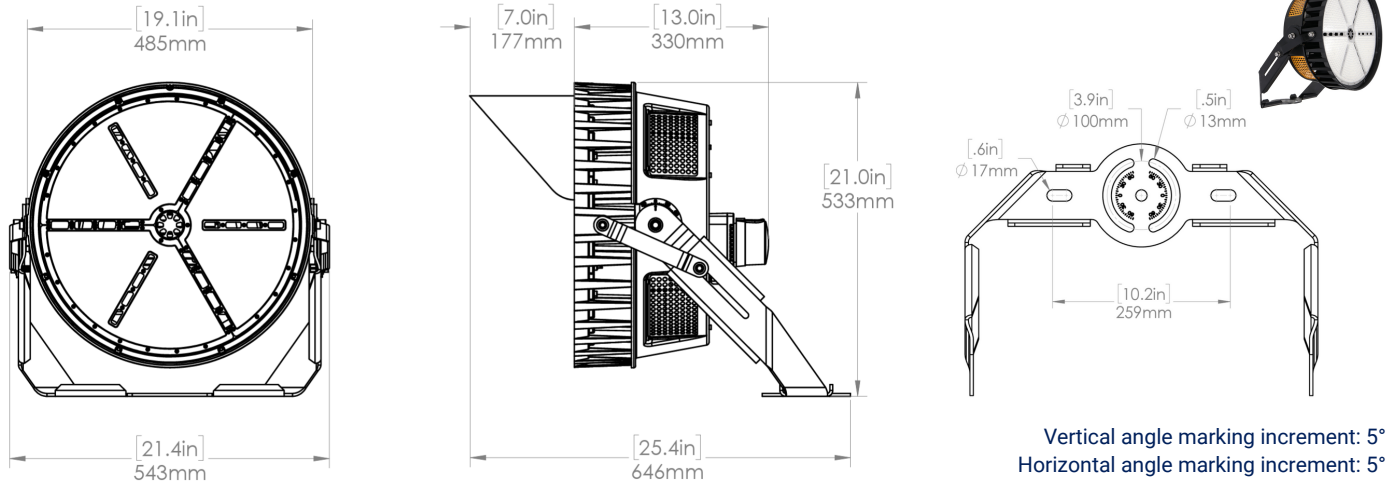
Vertical angle marking increment: 15°

SFL1 HIGHBAY YOKE

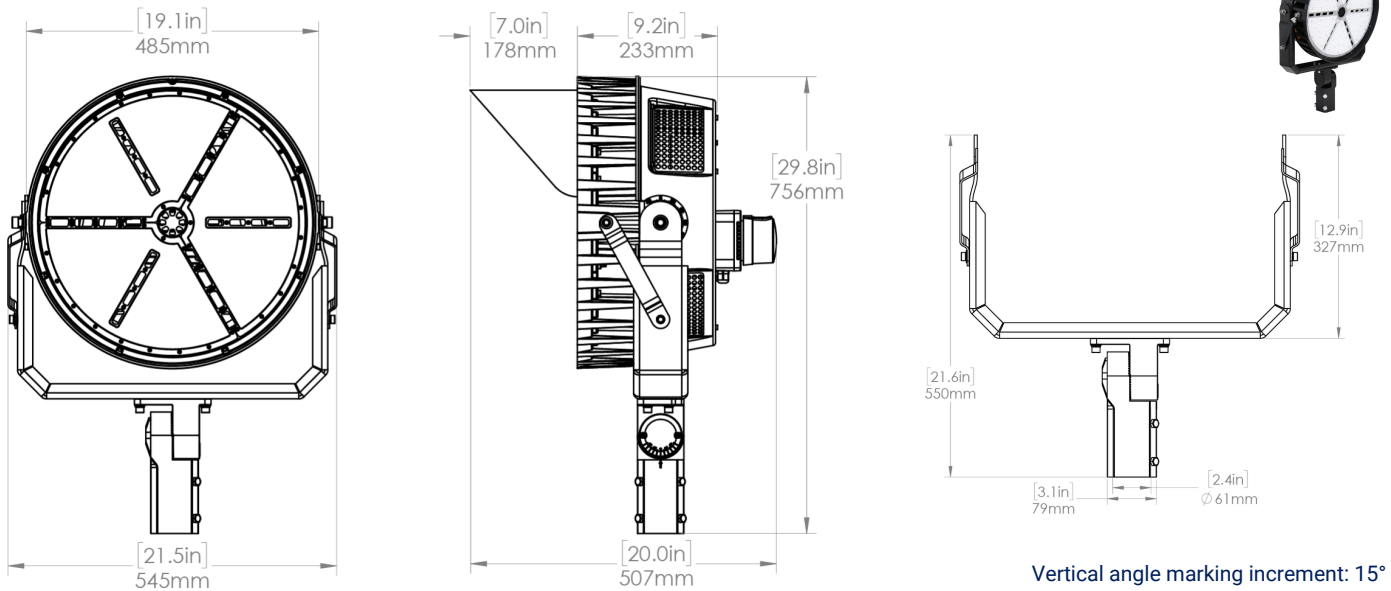


SFL2 DIMENSIONS

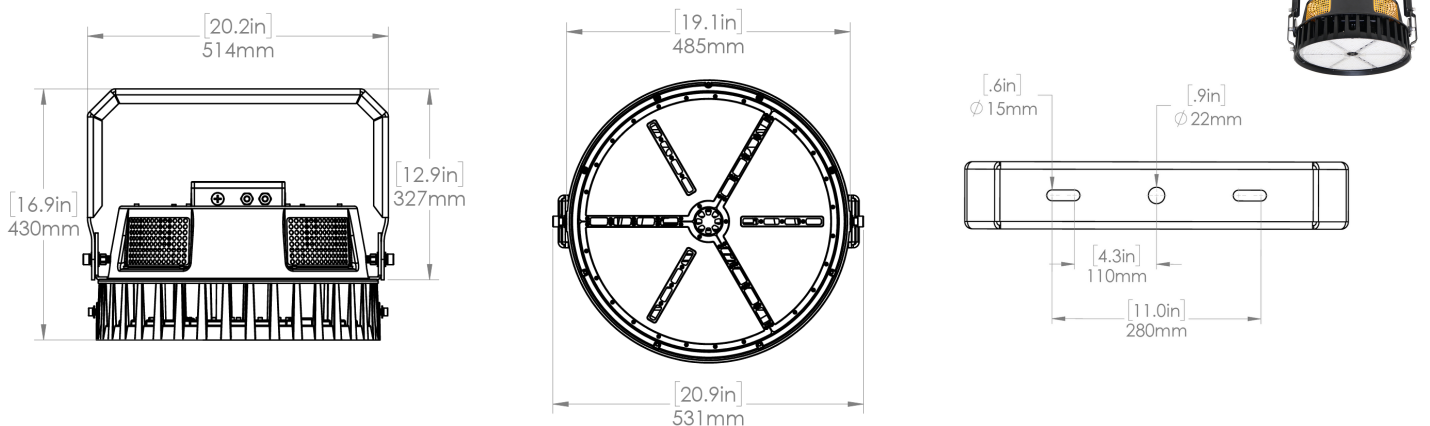
SFL2 YOKE



SFL2 SLIP FIT



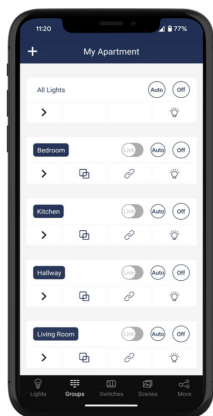
SFL2 HIGHBAY YOKE



CONTROLLED

RAB
DESIGN

ControlLED Network Lighting Controls (NLC) delivers secure, wireless lighting management with Bluetooth Mesh and the ControlLED App. Integrated sensors enable automatic adjustments for comfort, safety, and efficiency.



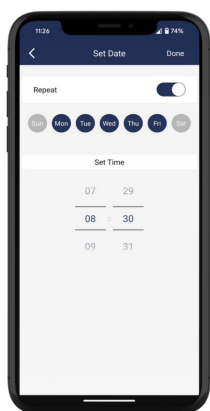
Organized Workspaces:
Create Zones, Groups and Group linkages.



Dimming Lights:
Set dim level for groups or individual lights.



Scenes:
Create custom scenes for different scenarios.



Schedules:
Create custom schedules for recurring events.



Share Access:
Share access using QR codes.

BLUETOOTH CONTROL

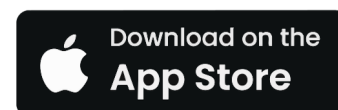
FEATURES

- Bluetooth mesh network
- DLC - Networked Lighting Control (NLC) & Luminaire Level Lighting Control (LLLC)
- Group and Individual fixture dimming
- Scenes & Schedules

SPECIFICATIONS

Input Voltage	12 VDC
Input Current	Min 150mA
Output Current	10mA Max.
Dimming	Class 2, 0-10 VDC
Bluetooth Transmit	860ft Max.
Radio Frequency	2.4GHz $\pm$ 75MHz
Bluetooth Version	5.0

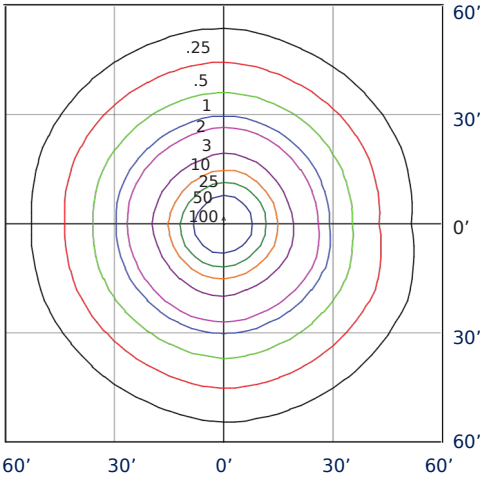
Get the App!



PHOTOMETRIC PLOTS

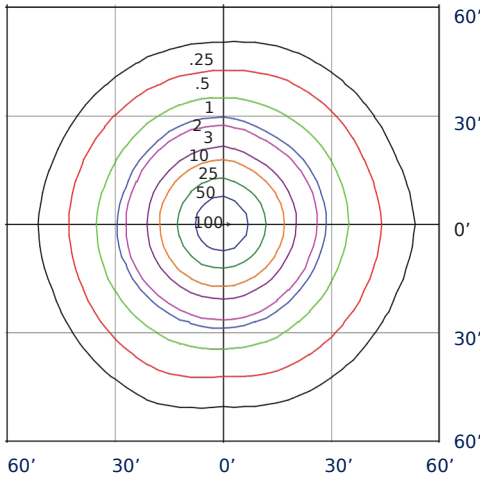
SFL1-LED500-H-4K-30DEG-DIM MOUNTED AT 30FT

Lumens: 75175 Max Calculated Value: 197.5Fc



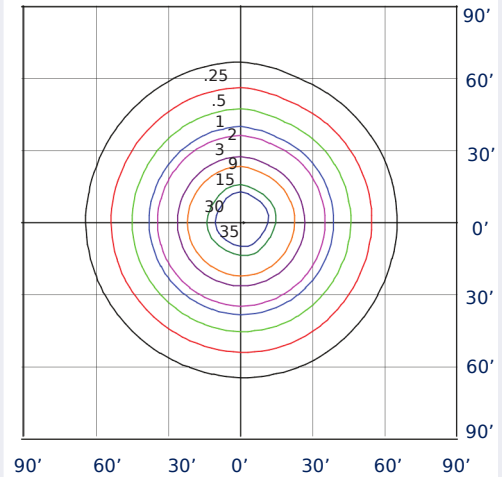
SFL1-LED500-H-4K-40DEG-DIM MOUNTED AT 30FT

Lumens: 75888 Max Calculated Value: 147.3Fc



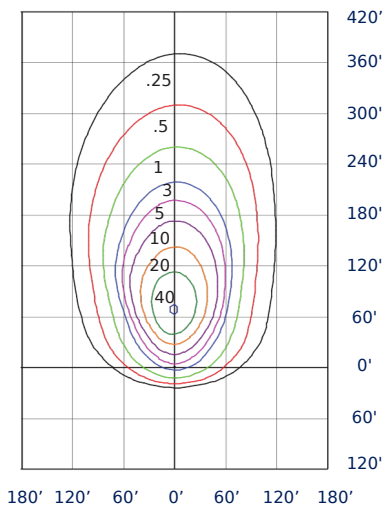
SFL1-LED500-H-4K-80DEG-DIM MOUNTED AT 30FT

Lumens: 71160 Max Calculated Value: 141.6Fc



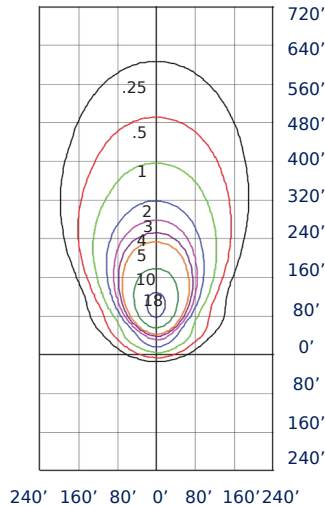
SFL1-LED500-H-4K-30DEG-DIM MOUNTED AT 30FT, 60DEG TILT

Lumens: 75175 Max Calculated Value: 41.1Fc



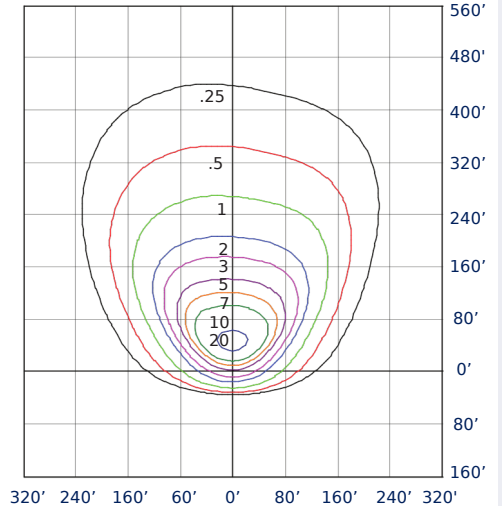
SFL1-LED500-H-4K-40DEG-DIM MOUNTED AT 30FT, 70DEG TILT

Lumens: 75888 Max Calculated Value: 21.0Fc



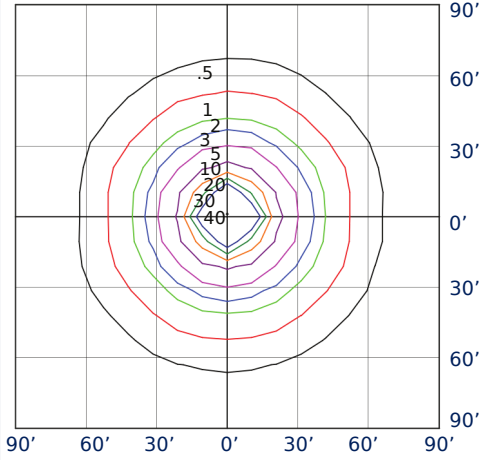
SFL1-LED500-H-4K-80DEG-DIM MOUNTED AT 30FT, 60DEG TILT

Lumens: 71160 Max Calculated Value: 23.9Fc



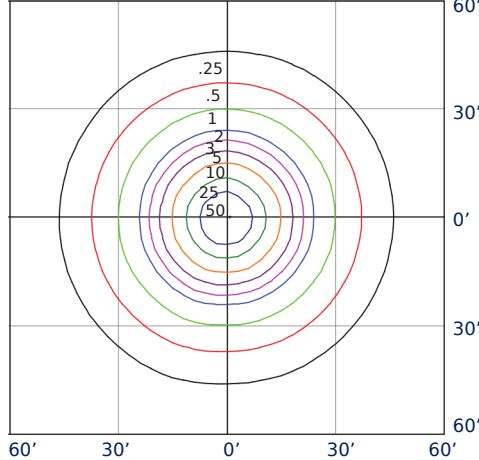
SFL2-LED600-H-4K-20DEG-DIM
MOUNTED AT 50FT

Lumens: 90188 Max Calculated Value: 131.4Fc



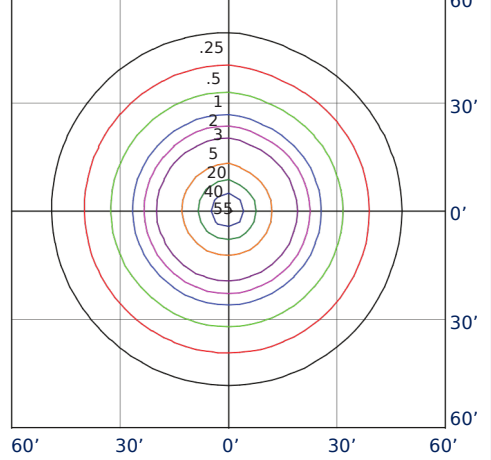
SFL2-LED600-H-4K-30DEG-DIM
MOUNTED AT 50FT

Lumens: 95363 Max Calculated Value: 84.0Fc



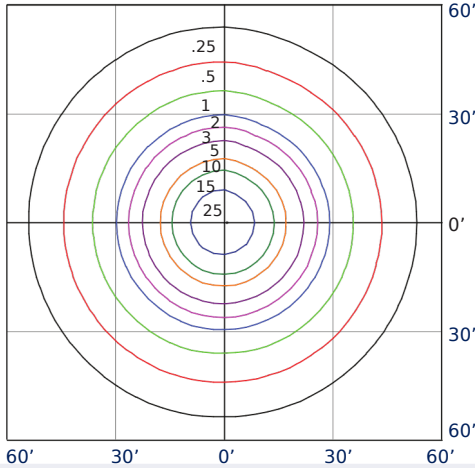
SFL2-LED600-H-4K-40DEG-DIM
MOUNTED AT 50FT

Lumens: 96519 Max Calculated Value: 63.7Fc



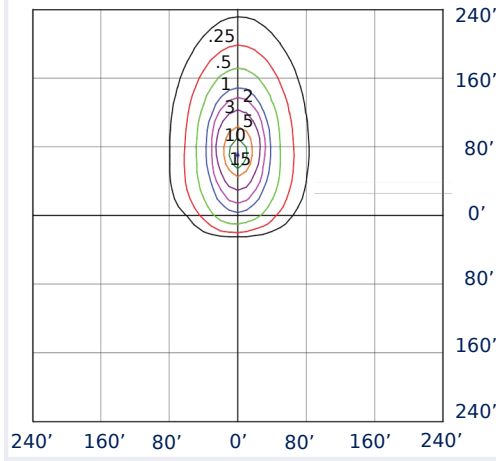
SFL2-LED600-H-4K-60DEG-DIM
MOUNTED AT 50FT

Lumens: 93314 Max Calculated Value: 34.0Fc



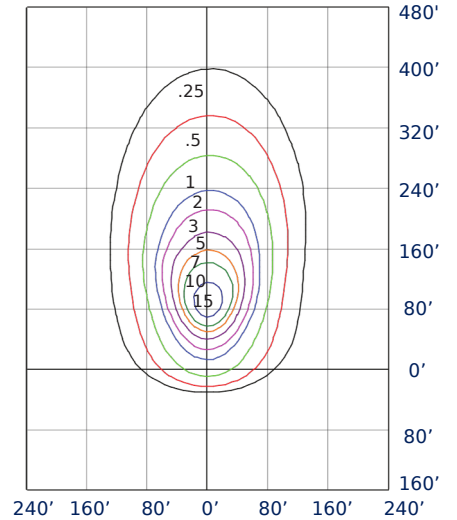
SFL2-LED600-H-4K-20DEG-DIM
MOUNTED AT 50FT, 60DEG TILT

Lumens: 90188 Max Calculated Value: 20.7Fc



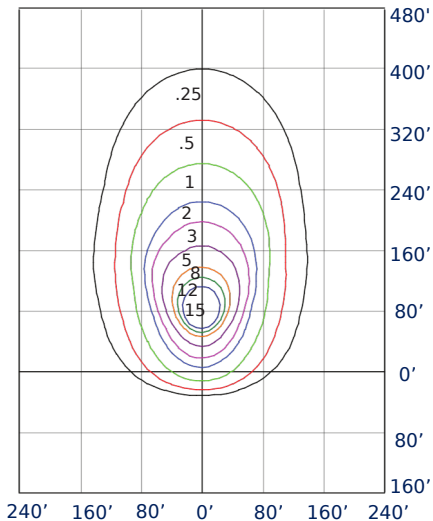
SFL2-LED600-H-4K-30DEG-DIM
MOUNTED AT 50FT, 60DEG TILT

Lumens: 95363 Max Calculated Value: 18.9Fc



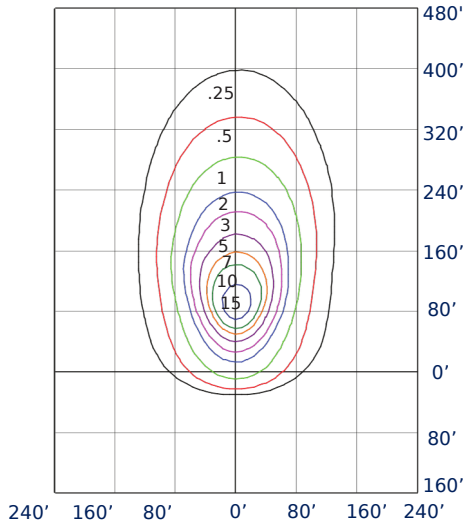
SFL2-LED600-H-4K-40DEG-DIM
MOUNTED AT 50FT, 60DEG TILT

Lumens: 96519 Max Calculated Value: 16.5Fc



SFL2-LED600-H-4K-60DEG-DIM
MOUNTED AT 50FT, 50DEG TILT

Lumens: 93314 Max Calculated Value: 17.1Fc



ADDITIONAL DETAILS

AMPERAGE DRAW & SURGE PROTECTION						
	CURRENT (A)					SURGE PROTECTION
	120V	208V	240V	277V	347V	120-347V
SFL1-LED	4.38A	2.53A	2.19A	1.9A	1.52A	6kV Internal and 10kV External
SFL2-LED	5.25A	3.03A	2.63A	2.28A	1.82A	6kV Internal and 10kV External

TM-21 ESTIMATED LUMEN MAINTENANCE			
	50,000 Hours	75,000 Hours	100,000 Hours
SFL1-LED	87.5%	81.7%	76.2%
SFL2-LED			

Life hours are derived from IESNA LM-80 testing report and projected per IESNA TM-21 calculations.

EPA (ft)		
	0° Tilt	90° Tilt
SFL1-LED with Yoke	1.36	1.84
SFL1-LED with Slipfit	1.42	1.95
SFL2-LED with Yoke	1.72	2.74
SFL2-LED with Slipfit	1.74	2.77

WEIGHT (lbs)			
	With Yoke	With Slipfit	With Highbay Yoke
SFL1-LED	32.67	33.33	32.67
SFL2-LED	62.83	67.90	62.83