



# Sports, Commercial, and Industrial Flood Light

## SFL3/SFL4



(Shown with Yoke, Photocell and Visor)

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 as well as commercial and industrial spaces due to its high output. Including a lumen select switch, the SFL features a wide range of options that can be customized to your needs. Featuring a driver box that can be mounted remotely, the SFL3 & SFL4 is a robust and durable fixture that can be delivered in a quick time frame. The SFL offers multiple controls options, including 3PIN/7PIN receptacle, Twist lock photocell, and Bluetooth CONTROLLED.

### IDEAL APPLICATIONS

- ✓ Stadiums and Arenas

✓ Large Distribution Centers

✓ Rail and Work Yards

✓ Construction Sites
- ✓ Shipping yards

✓ Monuments and Facades

✓ Bridges

### SPECIFICATIONS

	SFL3-LED800A600	SFL4-LED1200A900	CONSTRUCTION	
PERFORMANCE			Housing	Die Cast Aluminum
Light Output	126 500/ 109 000/ 92 000 lm	184 800/ 154 000/ 139 000 lm	Lens	Polycarbonate
Efficacy	155 lm/W	154 lm/W	Finish	Weather and Corrosion Resistant Polyester Powder Coat Black Finish, 1000hr salt spray tested
CCT	4000K, 5000K			
Beam Distribution	20°, 30°, 40°, 60°, 80°	20°, 30°, 40°, 60°	Mounting	Yoke Mount, Slipfitter
CRI	72		Cable Length	Input power: 10ft (3m) Cable (STW 3x18 AWG) Dimming: 10ft (3m) cable (STW 2x18 AWG) Custom cable lengths available
LED Lifetime (L80)	100 000 hrs			
Replaces	1200W MH/ 1500W MH	2000W MH	Options Sold Separately	Cable for remote driver mounting (5', 10', 30', 65'), Visor, Laser Pointer (comes with one rechargeable battery and battery charger)
ELECTRICAL				
Wattage	800/700/600 W	1200/1000/900W	CONTROLS	
Voltage	120-277, 347 V		Factory Installed	Twist Lock Photocell, 3PIN/7PIN Receptacle with shorting cap. Bluetooth Controls
Surge Protection	10kV Internal (with driver) 10kV External (added to every fixture) Optional 20kV Surge Protection			
THD	8.6%	3.80%	CERTIFICATIONS	
Power Factor	0.995		cULus certified as per UL1598 & CSA C22.2 NO. 250.0:21, Wet Location, IP66, IK07, 3G Vibration Tested, DLC Premium*	
Dimming	0-10V (10-100% Dimming, Dim to Off)		Note: Reported performance values were tested at 120V and 4000K for the highest wattage setting.	
AMBIENT OPERATING TEMPERATURE			*Exclusions apply, please see Ordering Guide.	
-40°C to 45°C (-40°F to 113°F)				



# ORDERING GUIDE

					BLK	DIM			
--	--	--	--	--	-----	-----	--	--	--

Fixture	Wattage	Voltage	Colour Temp.	Optics	Finish	Dimming	Optional	Mounting	Surge Protection
SFL3	LED800A600	B - 120-277V*	4K - 4000K	20DEG - 20 Degrees	BLK - Matte Black	DIM - 0-10V Dimming	BLANK - No Controls*	YK - Yoke*	SP10 - 10kV Surge Protection*
SFL4	LED1200A900	C - 347V	5K - 5000K	30DEG - 30 Degrees			PC - Twist Lock Photocell	SF - Slipfitter	SP20 <sup>b</sup> - 20kV Surge Protection
				40DEG - 40 Degrees			BC - Bluetooth CONTROLLED		
				60DEG - 60 Degrees <sup>1</sup>			7PIN - 7 PIN Receptacle for Smart Controls		
				80DEG - 80 Degrees <sup>a,2</sup>			3PIN - 3 PIN Receptacle		

\*Standard Configuration  
<sup>a</sup>80DEG available with SFL3 only  
<sup>b</sup>SP20 available for 120-277V  
<sup>1</sup> Not DLC Listed in SFL4  
<sup>2</sup> Not DLC Listed

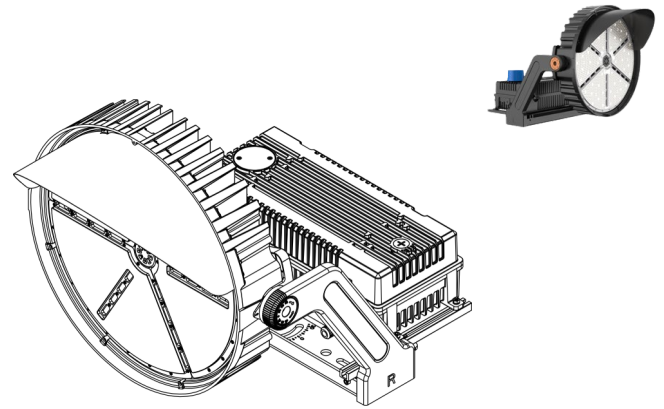
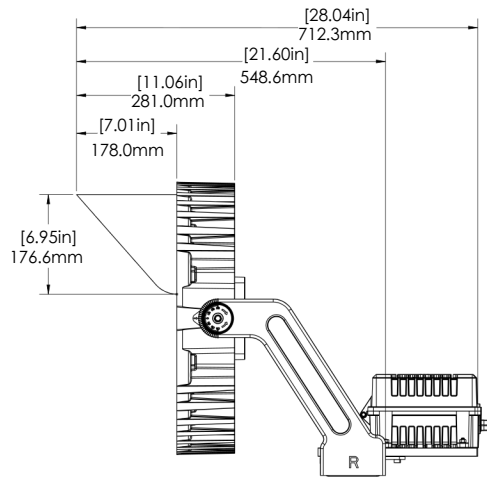
Standard unit comes with driver box attached, for remote driver mounting, driver box can be detached on field. Recommended maximum cable length for mounting the driver remotely is 100ft.

Custom CCT and finishes are available as Special orders, please consult RAB's Customer Success Team.

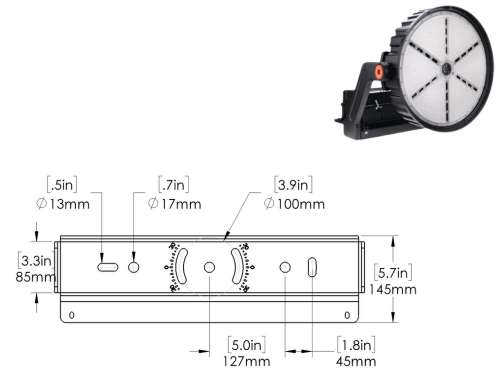
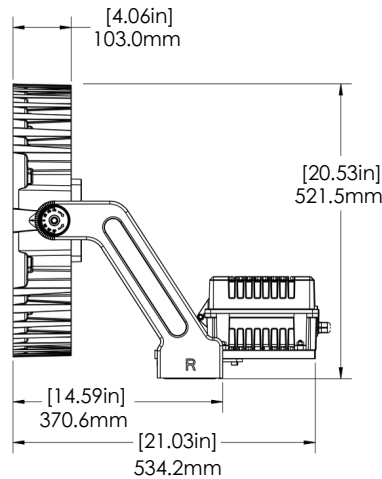
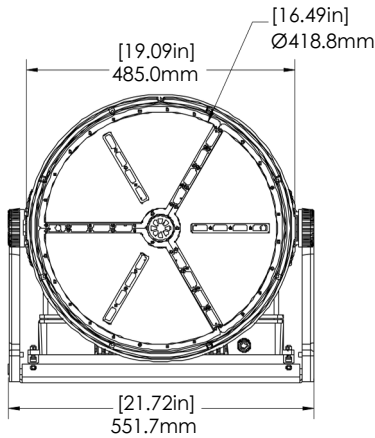
ACCESSORIES SOLD SEPERATELY					
002494	SFL, STRIKE-LASER POINTER	Used to accurately aim the fixture to the desired location. Range of the laser pointer is 200 meters. It is operated by rechargeable battery. <b>Note:</b> Laser pointer package includes one DC (rechargeable) battery and battery recharger.			
002491	SFL2/3-VISOR BLK		002509	SFL4-VISOR BLK	
084215	BLUETOOTH 3-KEY AC LINE VOLTAGE WALL SWITCH 120-277VAC, 3-KEYS(ON/OFF, DIM+, DIM-)		002510	5FT CABLE W/ CONNECTOR	
			002511	10FT CABLE W/ CONNECTOR	
084633	BLUETOOTH 5-KEY BATTERY POWERED WIRELESS WALL SWITCH & PLATE		002512	30FT CABLE W/ CONNECTOR	
			002513	65FT CABLE W/ CONNECTOR	

## SFL3 DIMENSIONS

### SFL3 VISOR

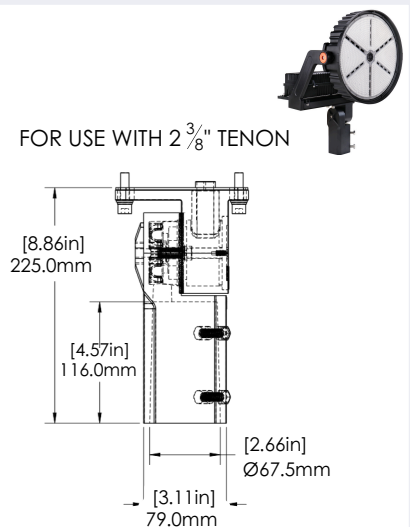
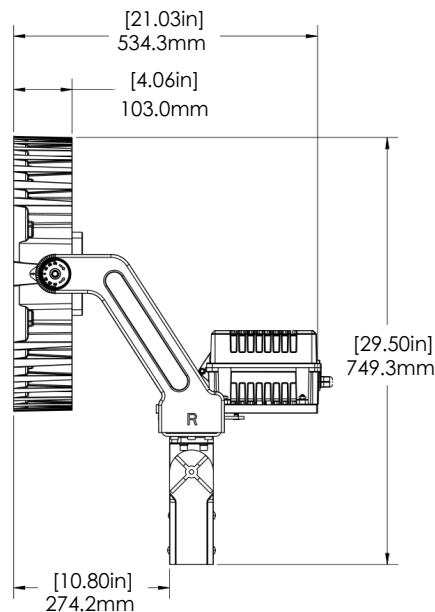
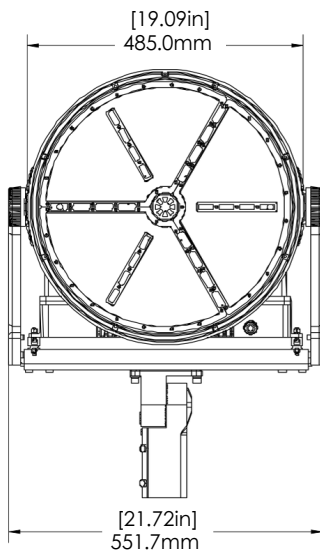


### SFL3 YOKE



**Vertical angle marking increment: 6°**  
**Horizontal angle marking increment: 5°**

### SFL3 SLIPFIT

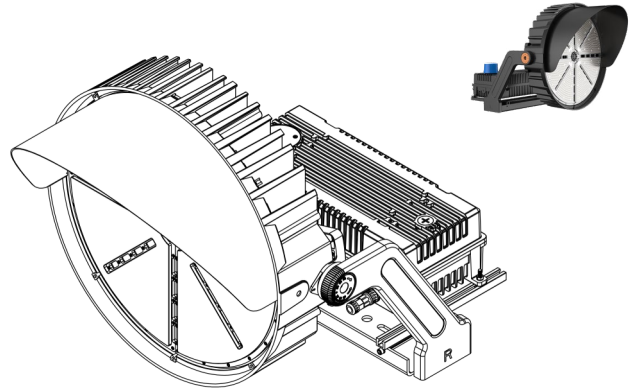
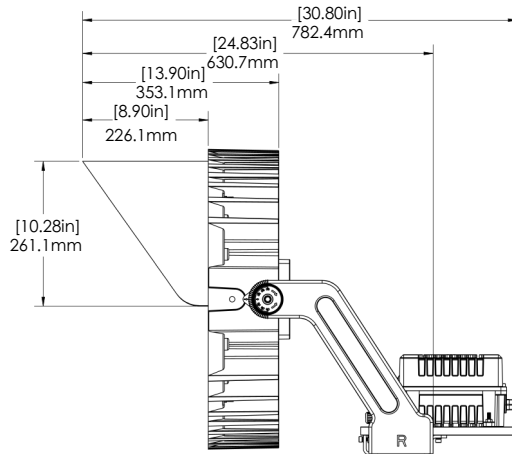


**FOR USE WITH 2 3/8" TENON**

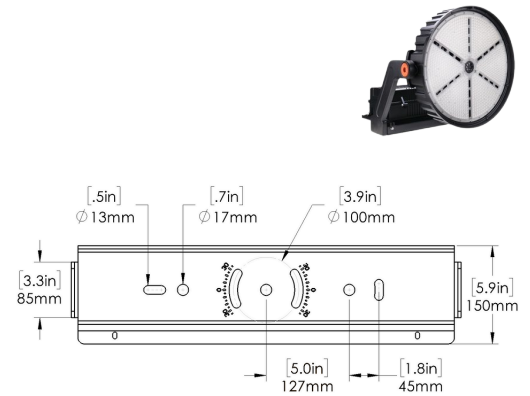
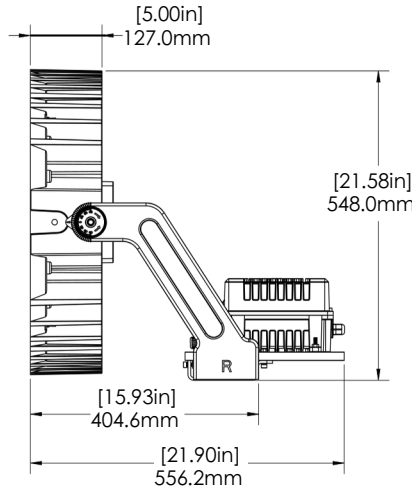
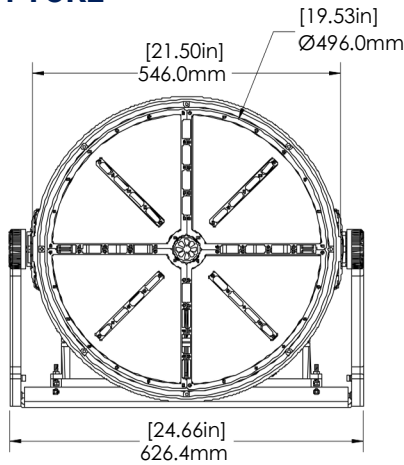
**Vertical angle marking increment: 15°**  
**Horizontal angle marking increment: 5°**

## SFL4 DIMENSIONS

### SFL4 VISOR

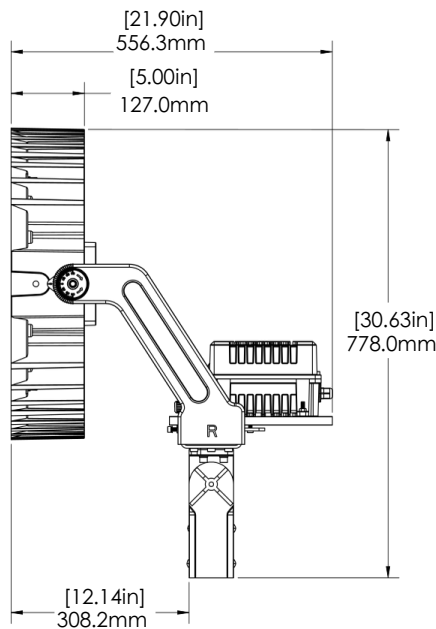
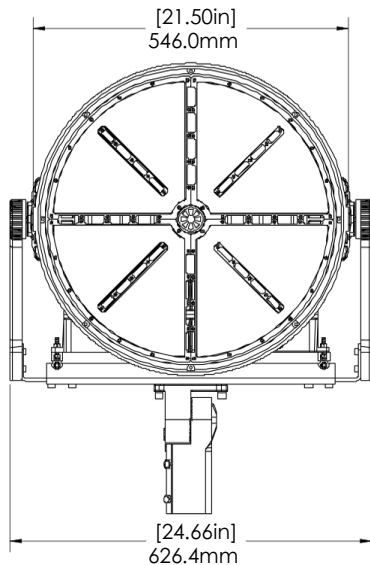


### SFL4 YOKE

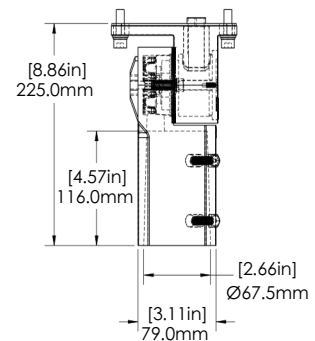


Vertical angle marking increment: 6°  
Horizontal angle marking increment: 5°

### SFL4 SLIP FIT



FOR USE WITH 2 3/8" TENON



Vertical angle marking increment: 15°  
Horizontal angle marking increment: 5°



## DRIVER MOUNTED REMOTELY

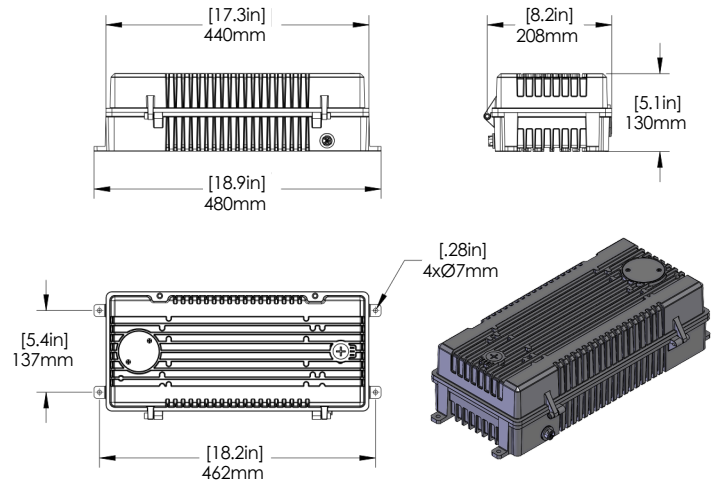


Reference image only. RAB Design does not offer cabinets.

Benefits of mounting the driver remotely:

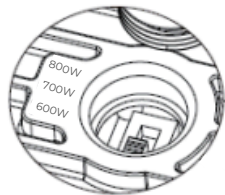
1. **Easy Access:** The driver is more accessible for maintenance as it is mounted away from the fixture closer to the ground.
2. Reduced fixture weight facilitates **easy installation**
3. Lower weight allows for more **flexibility in pole choices**.

### DRIVER BOX DIMENSIONS

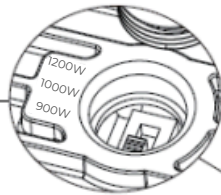


## LUMEN SELECT SWITCH

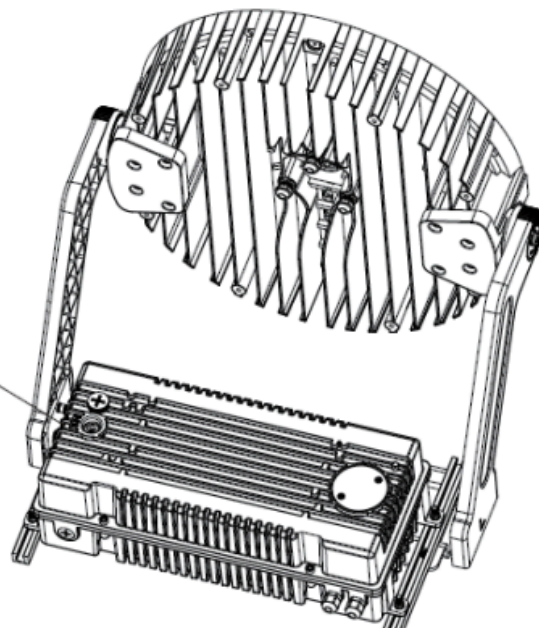
**SFL3-LED800A600**  
Settings



**SFL4-LED1200A1000**  
Settings



Accessible by removing plug on top of driver box.

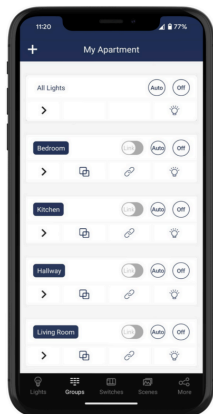


# CONTROLLED

**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.

Maximum Bluetooth transmittance of 860ft between fixtures (unobstructed) and 200ft between user and any one fixture.



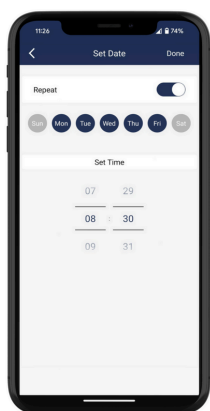
**Organized Fields:**  
Create Zones and Groups



**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 ±75MHz
Bluetooth Version	5.0

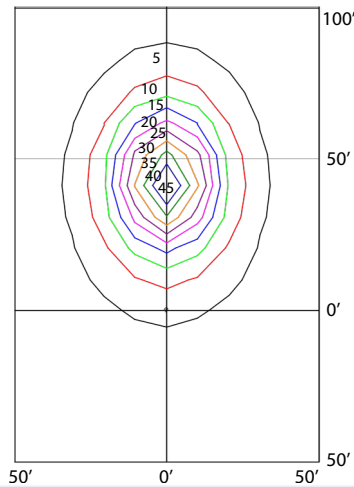
## Get the App!



## PHOTOMETRIC PLOTS

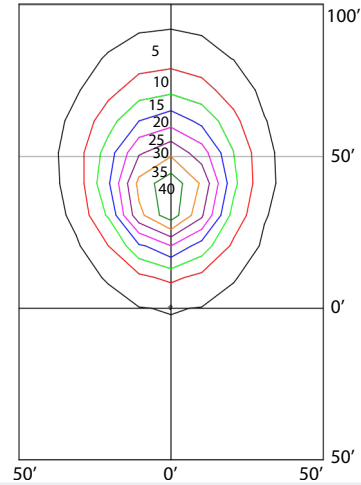
**SFL3-B-5K-20DEG-VISOR (800WATTS)**  
MOUNTED AT 50FT, 45 DEG TILT

Lumens = 115109 Max Calculated Value = 52.7 Fc



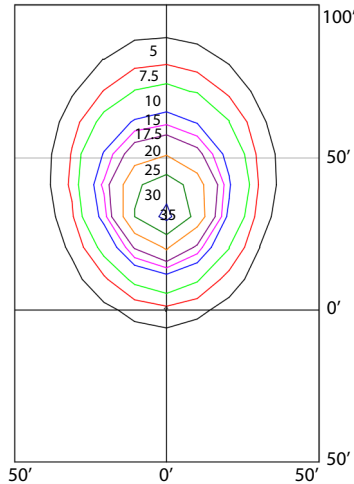
**SFL3-B-5K-30DEG-VISOR (800WATTS)**  
MOUNTED AT 50FT, 45 DEG TILT

Lumens = 117837 Max Calculated Value = 43.5 Fc



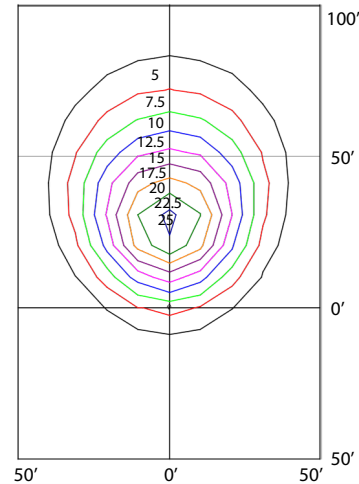
**SFL3-B-5K-40DEG-VISOR (800WATTS)**  
MOUNTED AT 50FT, 45 DEG TILT

Lumens = 115605 Max Calculated Value = 36.3 Fc



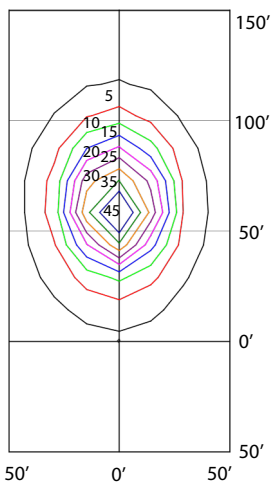
**SFL3-B-5K-60DEG-VISOR (800WATTS)**  
MOUNTED AT 50FT, 45 DEG TILT

Lumens = 113104 Max Calculated Value = 25.7 Fc



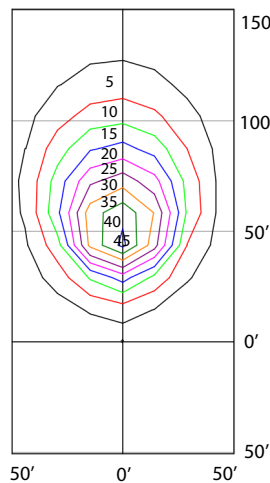
**SFL4-B-5K-20DEG-VISOR (1200WATTS)**  
MOUNTED AT 70FT, 45 DEG TILT

Lumens = 178202 Max Calculated Value = 54.4 Fc



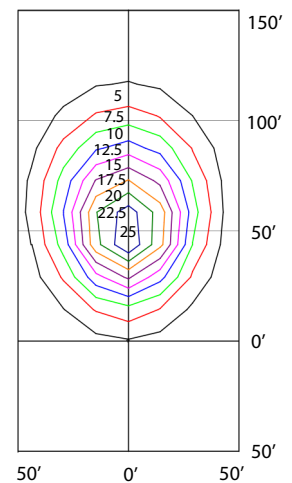
**SFL4-B-5K-30DEG-VISOR (1200WATTS)**  
MOUNTED AT 70FT, 45 DEG TILT

Lumens = 185292 Max Calculated Value = 56.4 Fc



**SFL4-B-5K-40DEG-VISOR (1200WATTS)**  
MOUNTED AT 70FT, 45 DEG TILT

Lumens = 168264 Max Calculated Value = 27.3 Fc



## ADDITIONAL DETAILS

### AMPERAGE DRAW & SURGE PROTECTION

	CURRENT (A)					SURGE PROTECTION	
	120V	208V	240V	277V	347V	120-277V	347V
SFL3-LED	7.15A	4.13A	3.58A	3.1A	2.48A	10kV Driver internal + 10kV external	
SFL4-LED	10.5A	6.06A	5.25A	4.55A	3.64A		

### TM-21 ESTIMATED LUMEN MAINTENANCE

	50,000 Hours	75,000 Hours	100,000 Hours
SFL3-LED	89.7%	84.9%	80.3%
SFL4-LED			

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

### ADJUSTABLE LUMENS SETTINGS

Power	800 W	700 W	600 W
SFL3-LED	126 500 lm	107 800 lm	92 400 lm
Power	1200 W	1000 W	900 W
SFL4-LED	184 800 lm	154 000 lm	138 600 lm

### EPA (ft<sup>2</sup>)

	0° Tilt	45° Tilt	90° Tilt
SFL3-LED with Yoke	1.9	2.7	3.1
SFL3-LED with Slipfit	2.1	2.9	3.3
SFL4-LED with Yoke	2.1	3	3.5
SFL4-LED with Slipfit	2.3	3.2	3.7

### WEIGHT (lbs)

	With Yoke		With Slipfit	
SFL3-LED	49.5		56.1	
Fixture/ Driver Box	35.2	14.3	39.8	14.3
SFL4-LED	66.1		70.7	
Fixture/ Driver Box	49.1	17	53.7	17