RAB® DESIGN

SFL3/SFL4

Sports, Commercial, and Industrial Flood Light

(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
PERFORMANCE		
Light Output	126 500/ 108 500/ 92 400 lm	184 800/ 154 000/ 138 600 lm
Efficacy	155 lm/W	154 lm/W
CCT	4000K, 5000K	
Beam Distribution	20°, 30°, 40°, 60°	20°, 30°, 40°
CRI	72	
LED LIfetime (L80)	100 000 hrs	
Replaces	12000W MH/ 1500W MH	2000W MH
ELECTRICAL		
Wattage	800/700/600 W	1200/1000/900W
Voltage	120-277, 347 V	
Surge Protection	10kV Internal (with driver) 10kV External (added to every fixture) Optional 20kV Surge Protection	
THD	8.6%	3.80%
Power Factor	0.995	
Dimming	0-10V (Dim to Off)	
AMBIENT OPERATING TEMPERATURE		
-40°C to 45°C (-40°F to 113°F)		

CONSTRUCTION	
Housing	Die Cast Aluminum
Lens	Polycarbonate
Finish	Matte Black
Mounting	Yoke Mount, Slipfitter
Cable Length	Input power: 10ft (3m) Cable (STW 3x18 AWG) Dimming: 10ft (3m) cable (STW 2x18 AWG Custom cable lengths available
Options Sold Separately	Slip Fitter, Cable for remote driver mounting (5', 10', 30', 65'), Visor, Laser Pointer (comes with one rechargeable battery and battery charger)

CONTROLS	
Factory Installed	Twist Lock Photocell, 3PIN/7PIN Receptacle with shorting cap. Bluetooth Controls

CERTIFICATIONS
cULus certified as per UL1598 & CSA C22.2 NO. 250.0:21, Wet Location, IP66, DLC Premium

Note: Reported performance values were tested at 120V and 4000K for the highest wattage setting.

CONTROLLED

UL CERTIFIED SAFETY US-CA E361278 · DLC LISTED PREMIUM · IP66 RATED · APPROVED FOR WET LOCATION · 7 YEAR WARRANTY

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[a]- 20kV Surge Protection
				40DEG - 40 Degrees			BC - Bluetooth CONTROLLED		
				60DEG[1]- 60 Degrees			7PIN - 7 PIN Receptacle for Smart Controls		
							3PIN - 3 PIN Receptacle		

*Standard Configuration
[1] Available with SFL3 only (60DEG)
[a] SP20 available for 120-277V

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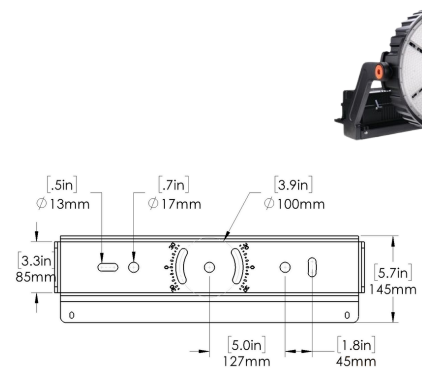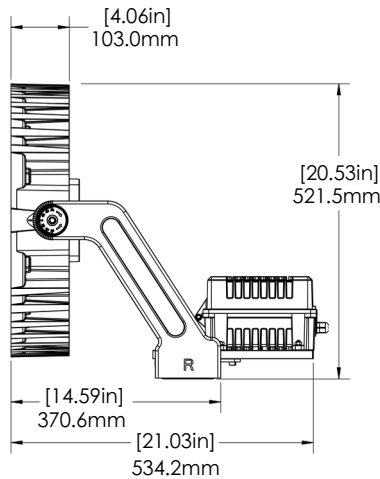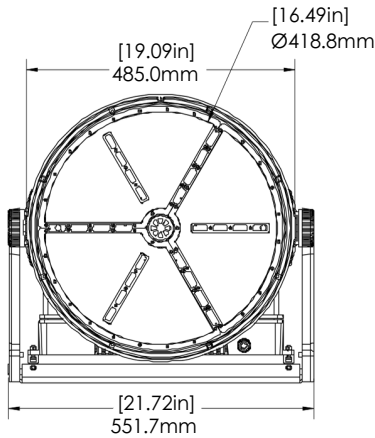
	ACCESSORIES SOLD SEPERATELY		
002494	SFL-LASER POINTER	Used to accurately aim the fixture to the desired location. Range of the laser pointer is 200 meters. It is operated by rechargeable battery. **Note:** Laser pointer package includes one DC (rechargeable) battery and battery recharger.	
002491	SFL2/3-VISOR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

SFL3 DIMENSIONS

SFL3 VISOR

[28.04in]
712.3mm

[21.60in]
548.6mm

[11.06in]
281.0mm

[7.01in]
178.0mm

[6.95in]
176.6mm

SFL3 YOKE

[16.49in]
Ø418.8mm

[19.09in]
485.0mm

[4.06in]
103.0mm

[20.53in]
521.5mm

[21.72in]
551.7mm

[14.59in]
370.6mm

[21.03in]
534.2mm

[.5in]
Ø13mm

[.7in]
Ø17mm

[3.9in]
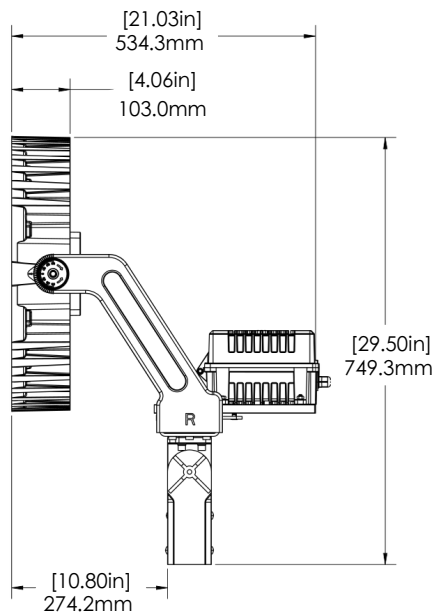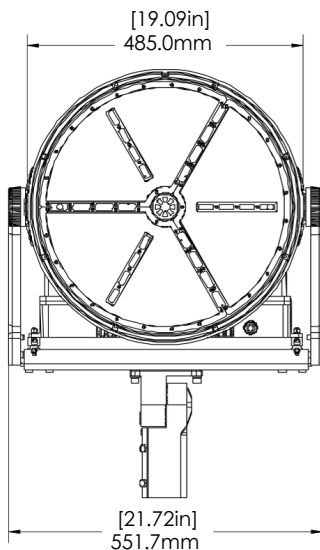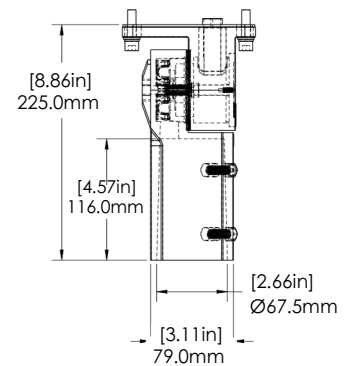Ø100mm

[3.3in]
85mm

[5.7in]
145mm

[5.0in]
127mm

[1.8in]
45mm
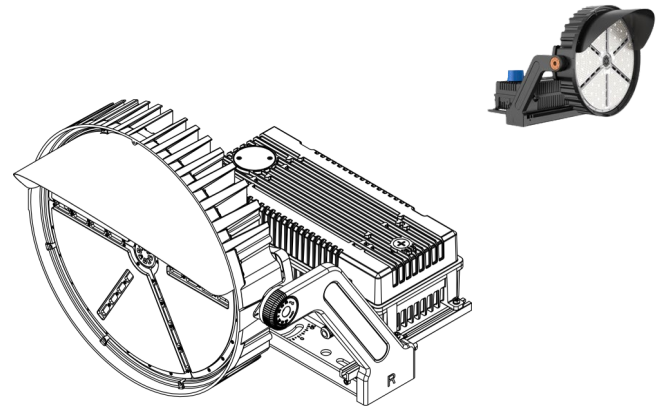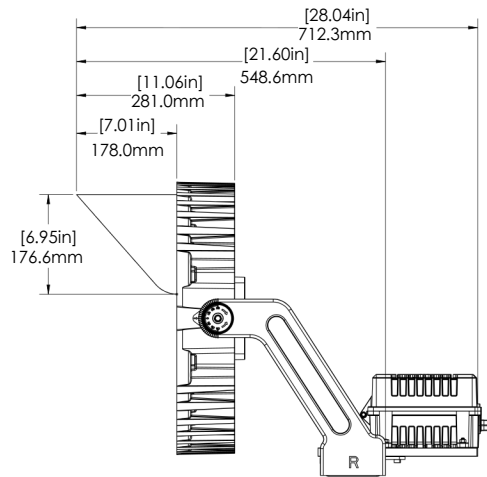
Vertical angle marking increment: 6°
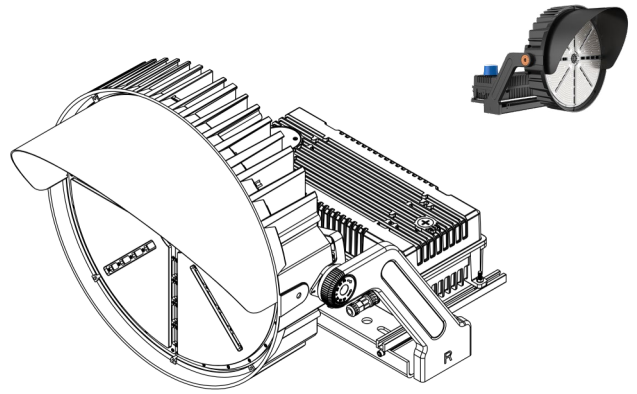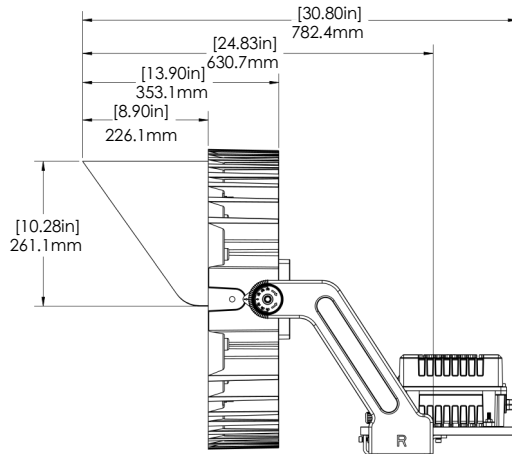Horizontal angle marking increment: 5°

SFL3 SLIPFIT

[19.09in]
485.0mm

[21.03in]
534.3mm

[4.06in]
103.0mm

FOR USE WITH 2 ⅜" TENON

[8.86in]
225.0mm

[4.57in]
116.0mm

[2.66in]
Ø67.5mm

[3.11in]
79.0mm

[29.50in]
749.3mm

[21.72in]
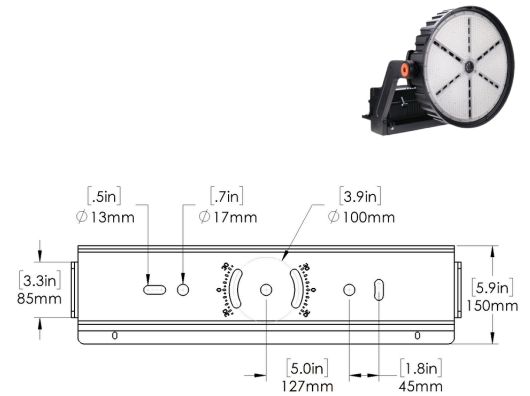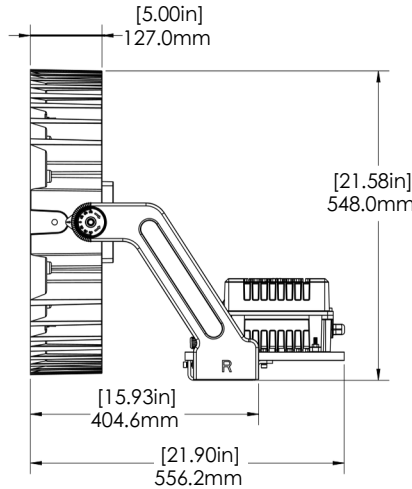551.7mm

[10.80in]
274.2mm
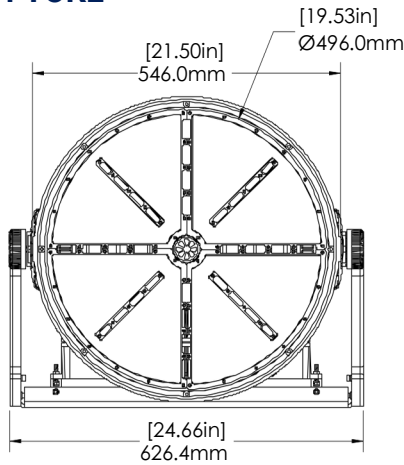
Vertical angle marking increment: 15°
Horizontal angle marking increment: 5°
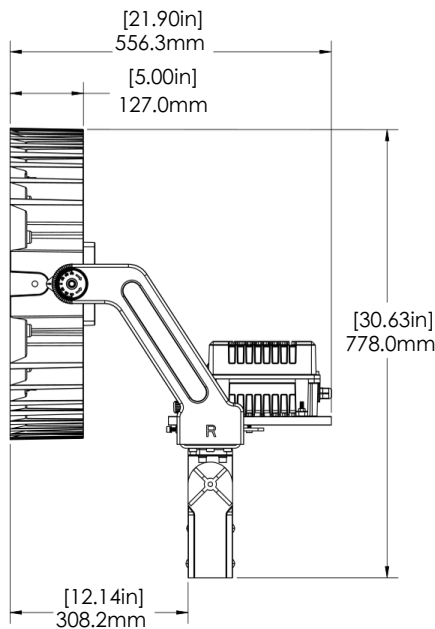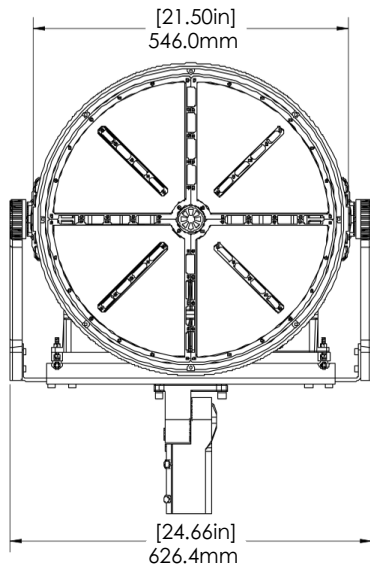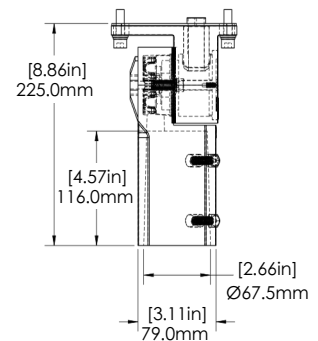
SFL4 DIMENSIONS

SFL4 VISOR

[30.80in]
782.4mm

[24.83in]
630.7mm

[13.90in]
353.1mm

[8.90in]
226.1mm

[10.28in]
261.1mm

SFL4 YOKE

[21.50in]
546.0mm

[19.53in]
Ø496.0mm

[5.00in]
127.0mm

[21.58in]
548.0mm

[24.66in]
626.4mm

[15.93in]
404.6mm

[21.90in]
556.2mm

[.5in]
Ø13mm

[.7in]
Ø17mm

[3.9in]
Ø100mm

[3.3in]
85mm

[5.9in]
150mm

[5.0in]
127mm

[1.8in]
45mm

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

SFL4 SLIP FIT

[21.50in]
546.0mm

[21.90in]
556.3mm

[5.00in]
127.0mm

[30.63in]
778.0mm

FOR USE WITH 2 ⅜" TENON

[8.86in]
225.0mm

[4.57in]
116.0mm

[2.66in]
Ø67.5mm

[3.11in]
79.0mm

[24.66in]
626.4mm

[12.14in]
308.2mm

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

## DRIVER MOUNTED REMOTELY

DRIVER BOX(ES) INSTALLED IN CABINET

Reference image only. RAB Design does not offer cabinets.

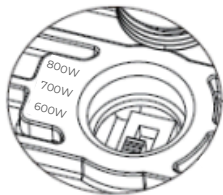Benefits of mounting the driver remotely:

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**.
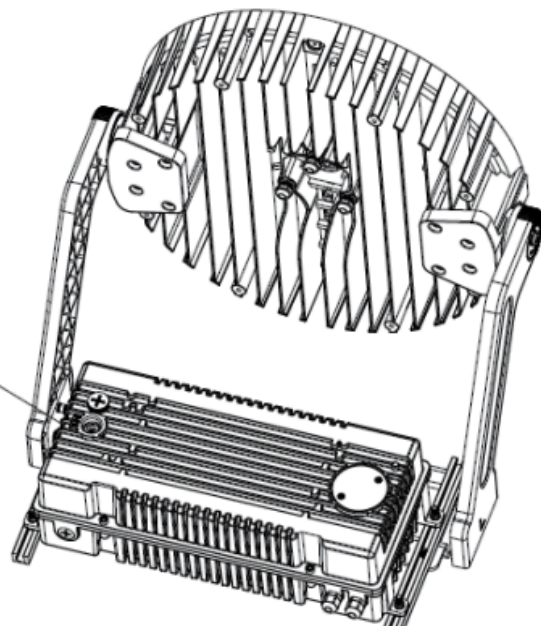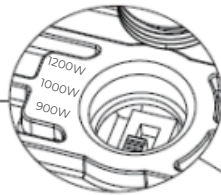
DRIVER BOX DIMENSIONS
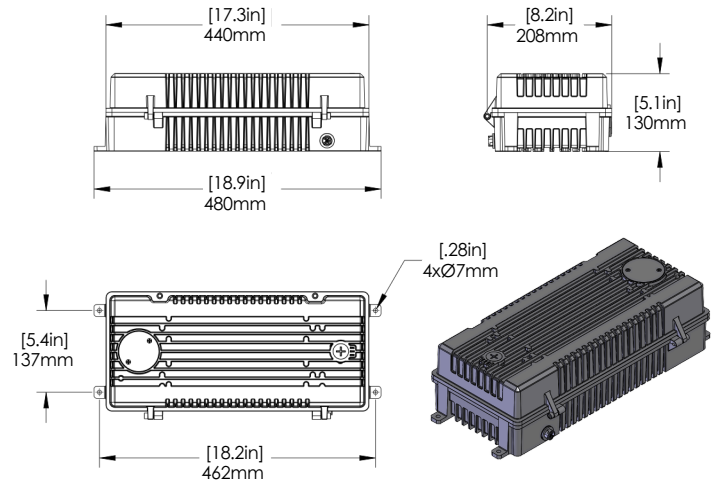
LUMEN SELECT SWITCH

SFL3-LED800A600 Settings
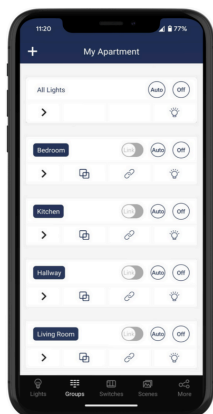
SFL4-LED1200A1000 Settings

Accessible by removing plug on top of driver box.

CONTROL**LED**

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.
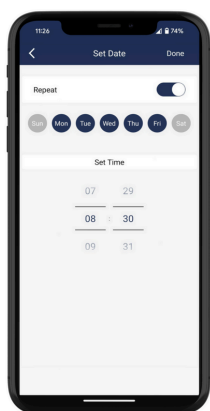
Organized Workspaces:
Create Zones, Groups and Group linkages.

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

Scenes:
Create custom scenes for different scenarios.

Get the App!

GET IT ON
Google Play

Download on the
App Store

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

RAB® DESIGN **Engineered by skilled hands, for skilled hands.**
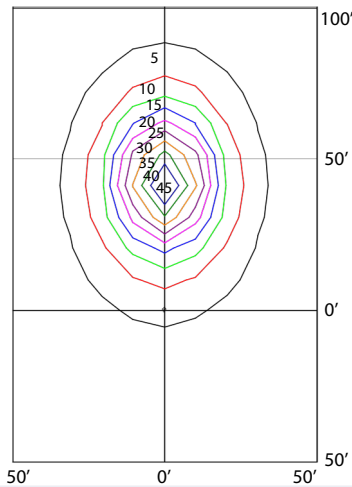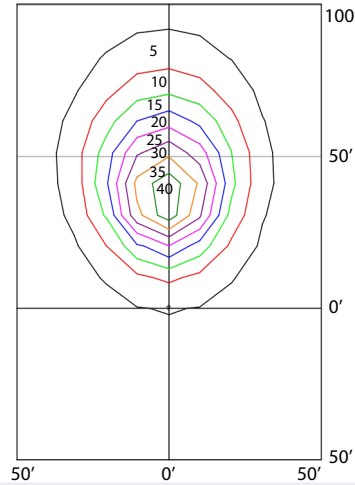
PHOTOMETRIC PLOTS

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

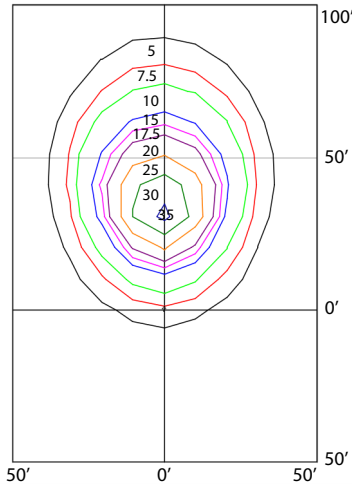Lumens = 115109   Max Calculated Value = 52.7 Fc

SFL3-B-5K-30DEG-VISOR (800WATTS)
MOUNTED AT 50FT, 45 DEG TILT
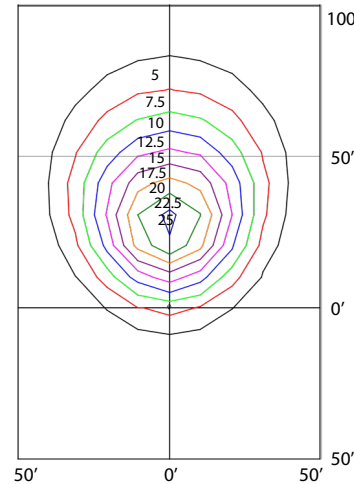
Lumens = 117837   Max Calculated Value = 43.5 Fc

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

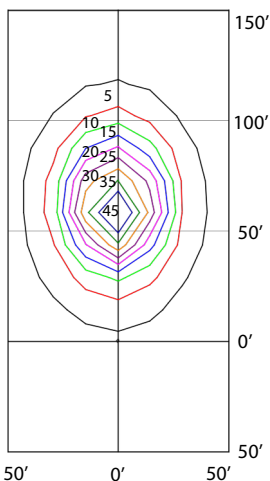Lumens = 115605   Max Calculated Value = 36.3 Fc

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

Lumens = 113104   Max Calculated Value = 25.7 Fc
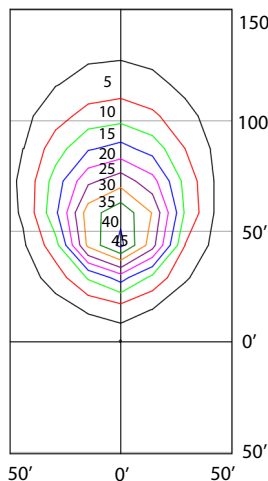

SFL4-B-5K-20DEG-VISOR (1200WATTS)
MOUNTED AT 70FT, 45 DEG TILT

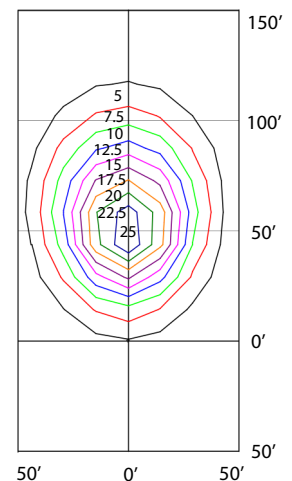Lumens = 178202   Max Calculated Value = 54.4 Fc

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	10Kv Driver internal + 10Kv external	

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^2)

	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