

# LED Area Light

## Outdoor Area Light



IP65



### OVERVIEW

Lumen Output Range	60853 - 62003
Wattage Range	480W
Efficacy Range (LPW)	129.58 - 132.15
Weight lbs (kg)	45.1(20.5)

### QUICK LINKS

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## FEATURES & SPECIFICATIONS

### Construction

- Rugged die-cast aluminum housing for maximum durability and reliability.
- IP65 rated luminaire protects integral components from harsh environments.
- Shipping weight: 45.1lbs in carton.

### Optical System

- Premium engineered IP65 rated acrylic optic assemblies deliver Type 3 distributions.
- Zero uplight with pole mount arm.
- Available in 5700K, 5000K and 4000K color temperatures per
- Minimum CRI of 70.

### Electrical

- High-performance driver features short circuit and over temperature protection with integral surge protection (10kV).
- 1-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 VAC) Input 50/60 Hz.
- Total harmonic distortion: <10%
- Operating temperature: -40°C to +50°C (-40°F to +122°F).

- Power factor: >0.90
- Input power stays constant over life.
- Optional 10KV surge protection device meets a minimum.
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation.

### Controls

- Photocell
- Bypass cap.

### Installation

- Mounting method ships separately and can be quickly connected to the luminaire.
- Wiring leads extended out of the main housing eliminating the need of opening the luminaire electrical chamber.
- Utilizes B2 pole drill pattern for arm mounting.
- Utilizes adjustable slip fitter for mast arm or tenon mounting.
- Optional die-cast slip fitter allows for mounting onto 2.3/8" O.D. tenon allowing for tilting up to 90 degrees.

### Warranty

- Luminaires carry a 5-year limited warranty. Complete warranty terms are located on our website.

### Listings

- Listed to UL.
- Suitable for wet Locations.
- IP65 rated Luminaire per.
- 1.5G rated for ANSI C136.31 high vibration applications are qualified.
- DesignLights Consortium® (DLC) qualified product.

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## ORDERING GUIDE

TYPICAL ORDER EXAMPLE: **SB LED 480 3 SF 57K UNV DIM BRZ**

Luminaire Prefix	Light Source	Power&Lumen	Lens&Distribution	Mounting Options	Color Temp
SB - Area Light	LED	480W - 60853 - 62003 lms	3 - Type 3	SF - Adjustable Slip fitter	57 - 5700K CCT 50 - 5000K CCT 40 - 4000K CCT
Voltage	Driver	Finish	Options	Controls	
UNV - Universal Voltage (120-277V) 480 - High Power (277-480V)	DIM - 1-10V Dimming(10-100%)	BRZ - Bronze (Standard) WHT - White Option - Custom Color	(Blank) - None SPD - 10kV Surge Protection Device IHS - Integral House Side Shield 3NP - 3pins photocell		

## Accessory Ordering Information

Mounting Accessories	
Description	Order Number
Adjustable Slip Fitter for Mast Arm and Tenon	SF

### FOOTNOTES:

- 1 - Other power is unavailable, consult factory.
- 2 - Fusing must be located in hand hole of pole.
- 3 - Mounting and accessories are shipped together and field installed.
- 4 - "BRZ" denotes finish. See Finish options.



# LED Area Light

## PERFORMANCE

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DELIVERED LUMENS*											
Wattage	Distribution	CRI	5700K			5000K			4000K		
			Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating
480w	Type 3	75	62003	132.15	B4-U0-G4	61428	130.86	B4-U0-G4	60853	129.58	B4-U0-G4

\*LEDs are frequently updated therefore values are nominal.

ELECTRICAL DATA*				
Wattage	120V	208V	240V	277V
480w	4.00	2.31	2.00	1.73






\*Electrical data at 25C (77F). Actual wattage may differ by +/-0.3%.

RECOMMENDED LUMEN MAINTENANCE				
Ambient Temperature °C	Initial <sup>2</sup>	3K hrs. <sup>2</sup>	5K hrs. <sup>3</sup>	7K hrs. <sup>3</sup>
1C-85C	100%	98.01%	96.71%	95.77%

1 - Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and in-situ testing.

2 - In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.

3 - Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and in-situ testing times the IESNA LM-80-08 total test duration for the device under testing.

LUMINAIRE EPA CHART					
480w					
	Single	D180°	D90°	T90°	Q90°
EPA	1.02ft <sup>2</sup>	2.03ft <sup>2</sup>	0.62ft <sup>2</sup>	2.03ft <sup>2</sup>	2.03ft <sup>2</sup>

## PHOTOMETRICS

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Luminaire photometry has been conducted by an accredited laboratory in accordance with IESNA LM-79. As specified by IESNA LM-79 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

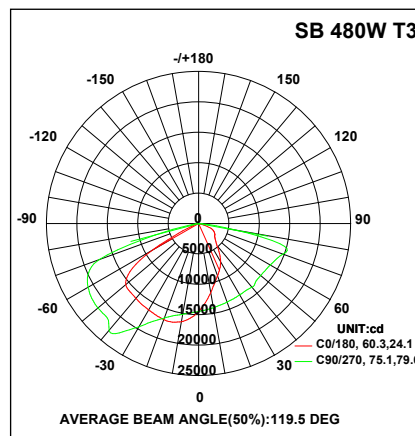
### SB 480W T3

#### LUMINAIRE DATA

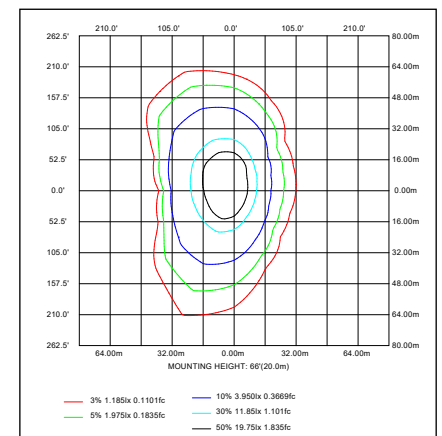
Type 3 Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	60,853
Watts	480
Efficacy	129.58
IES Type	Type III - Medium
BUG Rating	B4-U0-G4

Zonal Lumen Summary		
Zone	Lumens	%Luminaire
Low (0-30)°	12,059.30	19.80%
Medium (0-60)°	43,015.30	70.70%
High (60-90)°	17,703.60	29.10%
Very High (70-100)°	7,251.30	11.90%
Uplight (90-120)°	0	0%
Total Flux	60,852.30	100%

#### Luminous Intensity Distribution Curve



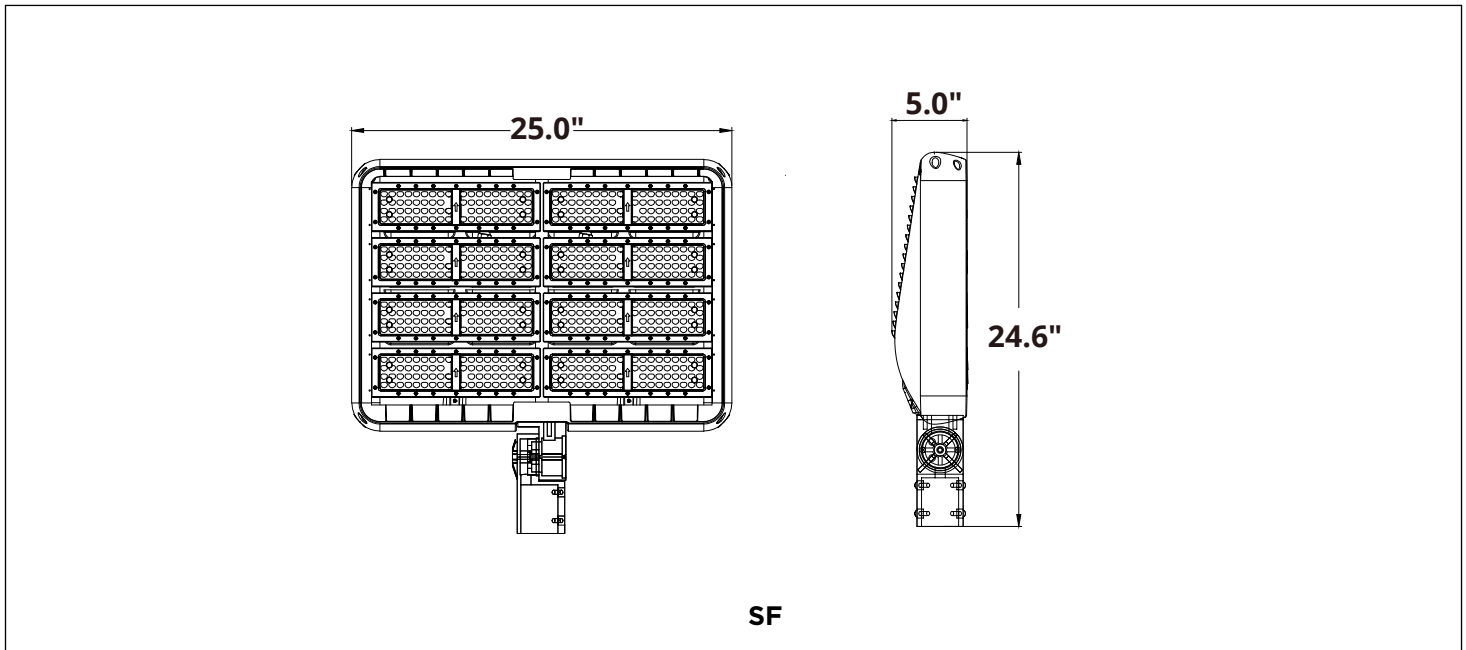
#### ISO FOOTCANDLE



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## PRODUCT DIMENSIONS

**480W**

## MOUNTING



**SF - Adjustable Slip Fitter  
for Mast Arm and Tenon**