

LED Stadium Light-1

Outdoor Stadium Light



IP65



OVERVIEW	
Lumen Output Range	66,000 - 171,738
Wattage Range	500W - 1200W
Efficacy Range (LPW)	132 - 150
Weight lbs (kg)	41(18.5)-84(38)

QUICK LINKS

[Ordering Guide](#)
[Performance](#)
[Photometrics](#)
[Dimensions](#)

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum housing for maximum durability and reliability.
- IP65 rated luminaire protects integral components from harsh environments.
- Shipping weight: 41 lbs to 84 lbs in carton.

Optical System

- Premium engineered IP65 rated acrylic optic assemblies deliver 20degree, 30degree, 40degree, 60degree, 80degree and 120degree distributions.
- Available in 5700K, 5000K, 4000K color temperatures per.
- Minimum CRI of 70.
- Shield and Laser Pen.

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 together with fixture and can be installed quickly.
- Wiring leads extended out of the main housing eliminating the need of opening the luminaire electrical chamber.

- Utilizes adjustable slip fitter for mast arm or tenon mounting.

- **Optional die-cast slip fitter allows for mounting onto a 2.2/8" IP, 2.4/8" 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.

LED Stadium Light-1

[Back to Quick Links](#)

ORDERING GUIDE

TYPICAL ORDER EXAMPLE: **SDL1 LED 500 120 UM 57K UNV DIM BRZ**

Luminaire Prefix	Light Source	Power&Lumen	Lens&Distribution	Mounting Options	Color Temp
SDL1-Stadium Light 1	LED	500 - 69000-72000 lms 750 -102530-103879 lms 1200 -168405-171500 lms	20 - 20dgree 30 - 30dgree 40 - 40dgree 60 - 60dgree 80 - 80dgree	SF - Adjustable Slip fitter UM - Flood mounting bracket	50 - 5000K CCT 57 - 5700K CCT 40 - 4000K CCT
Voltage	Driver	Finish	Controls (Choose One)	Options	
UNV - Universal Voltage (120-277V) 480 - High Power (277-480V)	DIM - 1-10V Dimming(10-100%)	BRZ - Bronze WHT - White Option - Cutome Color		(Blank) - None SPD - 10kV Surge Protection Device IHS - Integral House Side Shield 3NP - 3pins photocell	

Accessory Ordering Information⁴

CONTROLS ACCESSORIES	
Description	Order Number
PC120 Photocell for use with CR7P option (120v)	122514
PC208-277 Photocell for use with CR7P option (208V, 240V, 277V)	122515
AirLink 5 Pin Twist Lock Controller	661409
AirLink 7 Pin Twist Lock Controller	661410
Shorting Cap for use with CR7P	149328

FUSING ACCESSORIES ⁵	
Description	Order Number
Single Fusing (120V)	See Fusing Guide
Single Fusing (277V)	

MOUNTING ACCESSORIES ⁶	
Description	Order Number
Round Pole Adapter for SSA/SMA for 4" or 5" OD Poles	SARPA45 BRZ
Round Pole Adapter for SSA/SMA for 3" or 3.5" OD Poles	SARPA3 BRZ
Wood Pole Bracket (6" Minimum OD Pole, Bronze Finish)	750440
Wall Mount Bracket (Bronze Finish)	750441
Square Pole Tenon Adapter (For 2 3/8" Tenon)	BKA 2NM Q90 BRZ
10' Linear Bird Spike Kit (3' Recommended per Luminaire)	751632

FOOTNOTES:

- 1 - below 500w and over 1200w power available, consult facotry.
- 2 - Control device or shorting cap must be ordered separately. See Accessory Ordering Information.
- 3 - Mounting and accessories are shipped together and shield installed.
- 5 - Fusing must be located in hand hole of pole.
- 6 - "CLR" denotes finish. See Finish options.



LED Stadium Light-1

PERFORMANCE

[Back to Quick Links](#)

DELIVERED LUMENS*											
Wattage	Distribution	CRI	5700K			5000K			4000K		
			Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating
500w	30degree	83	71932.2	148.64	B5-U0-G1	70887.0	146.73	B5-U0-G1	69841.7	145.32	B5-U0-G1
	40degree		72329.8	148.35	B5-U0-G1	71568.1	147.18	B5-U0-G1	70806.3	146.79	B5-U0-G1
750w	40egree	83	103879.6	137.18	B5-U0-G2	103204.9	136.23	B5-U0-G2	102530.2	135.15	B5-U0-G2
	60degree		104644	138.55	B5-U0-G2	103921.7	137.59	B5-U0-G2	103199.4	136.63	B5-U0-G2
1200w	30degree	83	171500	137.72	B5-U0-G5	169952.7	136.50	B5-U0-G5	168405.3	135.32	B5-U0-G5
	40degree		171738.5	137.04	B5-U0-G5	170826.5	136.35	B5-U0-G5	169914.4	135.72	B5-U0-G5

*LEDs are frequently updated therefore values are nominal.

ELECTRICAL DATA*				
Wattage	120V	208V	240V	277V
500w	4.17	2.40	2.08	1.81
750w	6.25	3.61	3.13	2.71
1200w	10.00	5.77	5.00	4.33



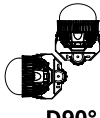
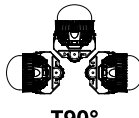
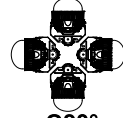



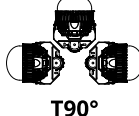
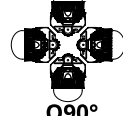



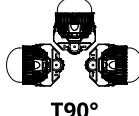
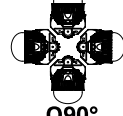
*Electrical data at 25C (77F). Actual wattage may differ by +/-0.3%.

RECOMMENDED LUMEN MAINTENANCE (71L-171L)					
Ambient Temperature	CInitial ²	3K hrs. ²	5K hrs. ³	7K hrs. ³	10K hrs. ³
1C-85C	100%	99.64%	99.20%	98.74%	98.13%

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					
500W	 Single	 D180°	 D90°	 T90°	 Q90°
EPA	1.6ft ²	3.2ft ²	2.8ft ²	4.4ft ²	5.6ft ²
750W	 Single	 D180°	 D90°	 T90°	 Q90°
EPA	2.4ft ²	4.8ft ²	4.0ft ²	6.4ft ²	8.0ft ²
1200W	 Single	 D180°	 D90°	 T90°	 Q90°
EPA	3.1ft ²	6.2ft ²	5.1ft ²	8.2ft ²	10.2ft ²

LED Stadium Light-1

[Back to Quick Links](#)

PHOTOMETRICS

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%.

SDL1 500W 30degree

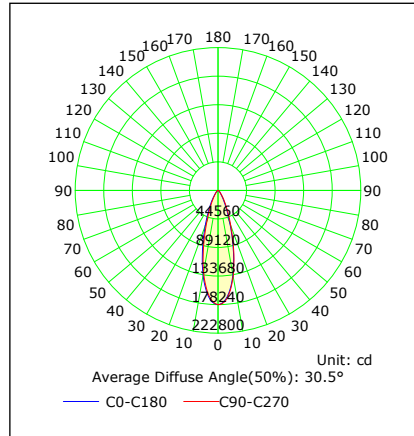
LUMINAIRE DATA

30degree Distribution		
Description	Description	4000 Kelvin, 70 CRI
Delivered Lumens		71,932
Watts		500
Efficacy		148.64
IES Type		30degree
BUG Rating		B5-U0-G1

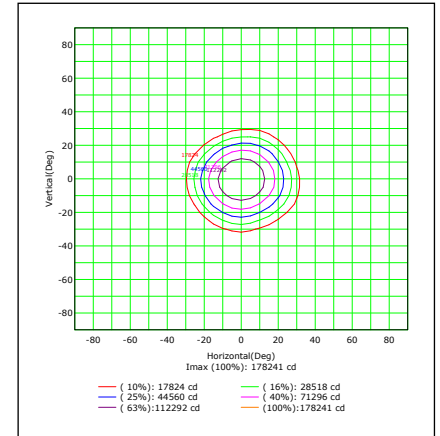
Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	54,969.80	78.80%
Medium (0-60)°	67,557.10	96.80%
High (60-90)°	2,243.80	3.20%
Very High (70-100)°	799.00	1.10%
Uplight (90-120)°	0	0%
Total Flux	71,932.20	100%

Luminous Intensity Distribution Curve



ISO FOOTCANDLE



SDL1 500W 40degree

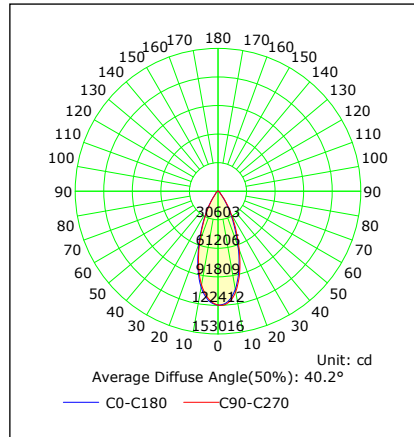
LUMINAIRE DATA

40degree Distribution		
Description	Description	4000 Kelvin, 70 CRI
Delivered Lumens		72,330
Watts		500
Efficacy		148.35
IES Type		40degree
BUG Rating		B5-U0-G1

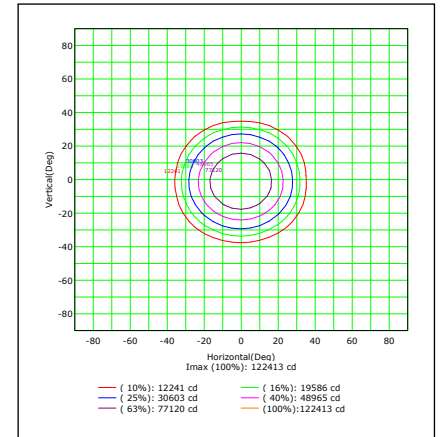
Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	54,713.90	77.30%
Medium (0-60)°	69,425.30	98.10%
High (60-90)°	1,352.90	1.90%
Very High (70-100)°	391.70	0.60%
Uplight (90-120)°	0	0%
Total Flux	72,329.80	100%

Luminous Intensity Distribution Curve



ISO FOOTCANDLE

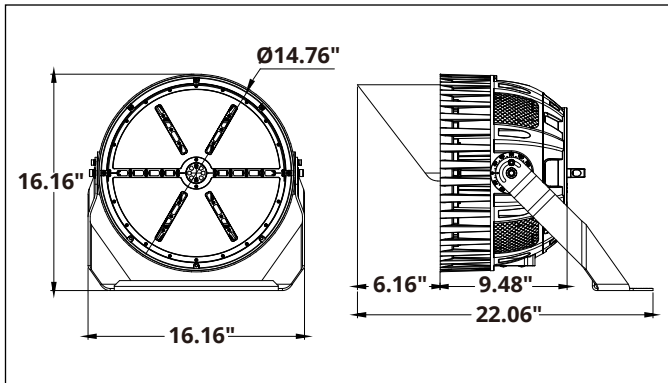


LED Stadium Light-1

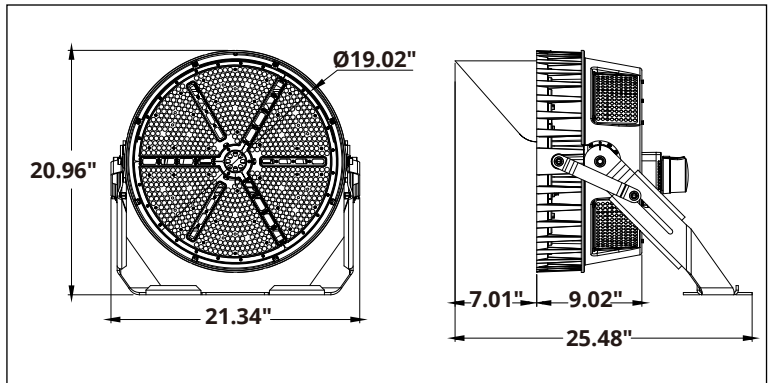
[Back to Quick Links](#)

PRODUCT DIMENSIONS

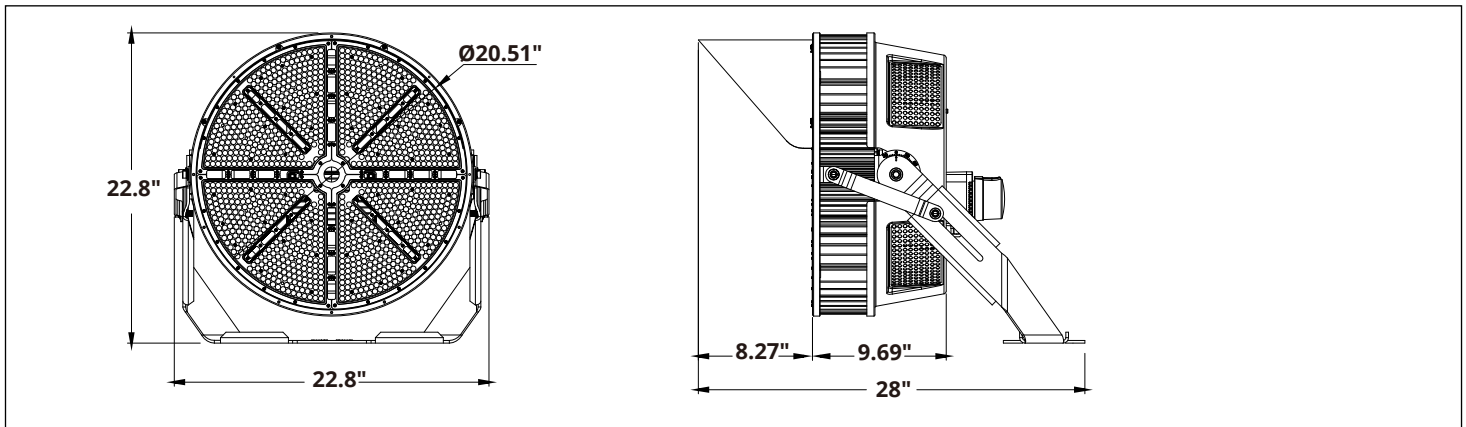
500W



750W



1200W



MOUNTING

[Back to Quick Links](#)


SF - Adjustable Slip Fitter
for Mast Arm and Tenon on 500w



SF - Adjustable Slip Fitter
for Mast Arm and Tenon on 750w and 1200w



UM -Flood mounting bracket

SHIELD

[Back to Quick Links](#)
