



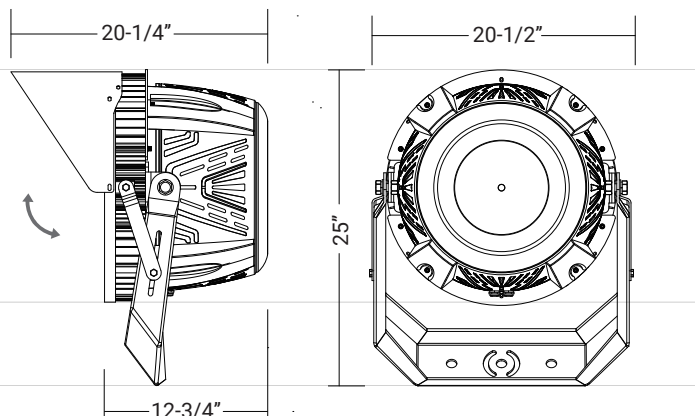
Rotate 355° Tilt 240°

The versatile LED Sports Lighter, specifically engineered for large spaces including sports arenas, harbors, streets, and other expansive outdoor areas. With a focus on maximum illumination efficiency and unrivaled precision, this luminaire guarantees exceptional lighting performance. Its advanced heat-dissipating exterior ensures efficient thermal management, effectively extending the lifespan of the product. Illuminate your surroundings with unparalleled brilliance and reliability, making every space shine with confidence.

FEATURES

1. IP66 waterproof rating for exceptional performance in harsh weather conditions.
2. 5-year warranty provides long-term peace of mind and customer support.
3. Easy assembly and disassembly for convenient maintenance.
4. High-strength structure with corrosion-resistant polyester powder coating for enhanced durability.
5. Multiple beam angle options for customizable illumination.
6. Optional color temperature to suit specific needs and preferences.
7. Certified product meeting CE, RoHS, DLC, FCC, and UL standards.
8. Versatile application in stadiums, sports fields, high mast lighting, light towers, ports, and more.
9. Lighting Simulation service available for tailored lighting design.
10. Dimming control options include 0-10V, DMX, Dali, and Synapse.
11. Ambient operating temperature ranges from -40 - 122°F.

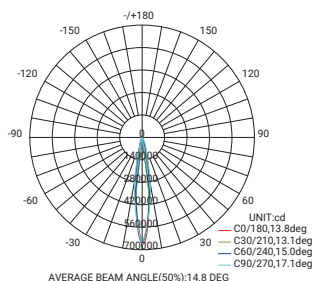
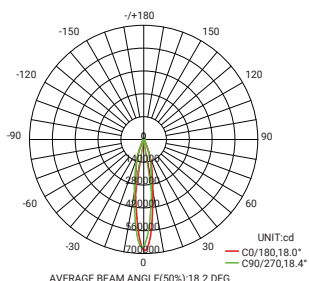
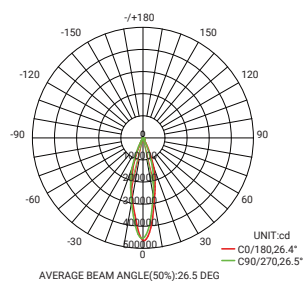
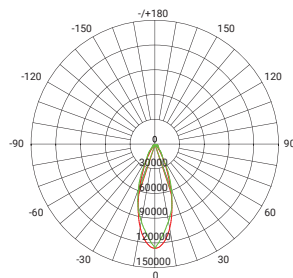
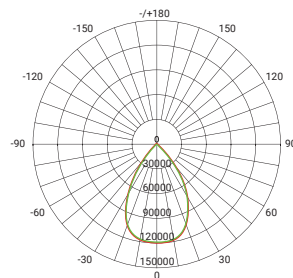
SERIES	LED Sports Light - 750W
WATTAGE	750W
EFFICIENCY	150lm/W
LUMINOUS FLUX	107,000Lm
CCT	3000K, 4000K, 5000K (Standard), 5700K, 6500K
BEAM ANGLE	Narrow Spot 15°, Spot 20°, Narrow Flood 25°, Flood 40°, Wide Flood 60°, Very Wide Flood 80°
MENA TYPE	3 (20°), 4 (40°), 5 (60°)
CRI	70 (Standard), 80, 90
CONTROL	0-10V, DMX, Dali, Synapse.
VPR	10KV SPD (Standard), 20KV SPD



SERIES	DELIVERED LUMENS	WATTAGE
OSP-106-750W	107000	750W

Based on 5000K, >70 CRI. Actual wattage may vary +/- 5%




Narrow Spot (15°)

Spot (20°)

Narrow Flood (25°)

Flood (40°)

Wide Flood (60°)

Reference IES files for additional distribution curve information.

ELECTRICAL DATA:

PowerSupply	Input Voltage	Power Frequency	Output Voltage	Power Efficiency	Power Factor	Total Harmonic Distortion
INVENTRONICS	100-277 277-480	50/60Hz	DC24-48V	93%	0.95	<15%

OTHERS:

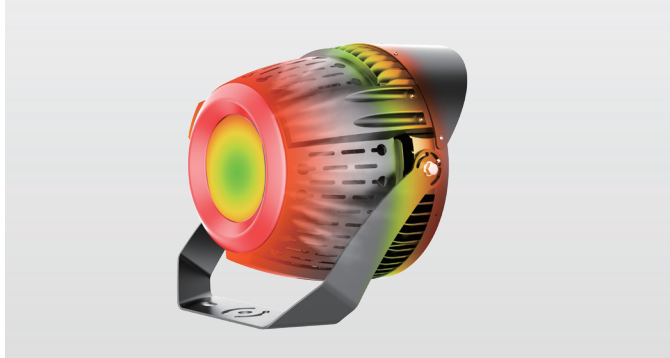
IP Rating	Lifetime (L70 Standard)	Heat Radiator	Lens Material	Carton Dimensions	Gross Weight	Net Weight
IP66	50,000 hours	Forging aluminum	PC	24.4"x22.4"x16.3"	60.6 lbs	50.7 lbs

EXAMPLE:

SERIES	VOLTGE	WATTAGE	BEAM ANGLE	CCT	CRI	CONTROL	VPR	ACCESSORY
OSP-106	<input type="checkbox"/> 100-277V <input type="checkbox"/> 277-480V	<input type="checkbox"/> 750W	<input type="checkbox"/> NS=15° <input type="checkbox"/> SP=20° <input type="checkbox"/> NFL=25° <input type="checkbox"/> FL=40° <input type="checkbox"/> WFL=60° <input type="checkbox"/> VWFL=80°	<input type="checkbox"/> 30K <input type="checkbox"/> 40K <input type="checkbox"/> 50K <input type="checkbox"/> 57K <input type="checkbox"/> 65K	<input type="checkbox"/> 70 <input type="checkbox"/> 80 <input type="checkbox"/> 90	<input type="checkbox"/> 0-10V <input type="checkbox"/> DMX <input type="checkbox"/> Dali <input type="checkbox"/> Synapse	<input type="checkbox"/> 10KV <input type="checkbox"/> 20KV	<input type="checkbox"/> OSP-106-ACC-1-750-1250 <input type="checkbox"/> OSP-106-ACC-2-LAD

RADIATOR

The OSP series sports lighting utilizes fin heat sinks for improved heat dissipation, leading to a longer lifespan. The back cover acts as a cooling mechanism, efficiently dissipating heat generated by the power source. This design ensures optimal performance and durability.



LASER AIMING DEVICES (OPTIONAL)

Our laser aiming device provides precise control for angling and aiming each sport light, allowing you to achieve the exact optimal position with ease and accuracy.



OSP-106-ACC-2-LAD

SLIP FITTER BRACKET (OPTIONAL)

The default mount yolk is included. The optional advanced slip fitter bracket offers a stable and compact footprint while allowing for rotation and tilt in various angles, providing the flexibility to position the sport light according to your specific requirements.



OSP-106-ACC-1-750-1250

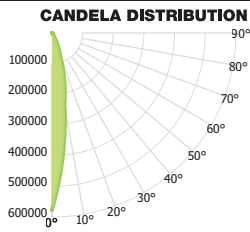
OSP-106-750W

TEST NO.: **EL06152321**

INPUT WATTS: **748.6**

LUMENS: **108095**

EFFICACY: 144

BEAM ANGLE: **15**SPACING CRITERIA: **0.28**

CANDELA TABLE

	0°	90°
0°	577243	577243
10°	235864	290407
20°	78902	85490
30°	18949	21731
40°	4868	4970
50°	3118	2920
60°	2060	1993
70°	1208	1086
80°	716	401
90°	0	6

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	0	0
45.00°	0	0
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	34147
10° - 20°	38674
20° - 30°	20565
30° - 40°	6965
40° - 50°	3071
50° - 60°	2235
60° - 70°	1491
70° - 80°	783
80° - 90°	164

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	72822	67%
0° - 30°	93387	86%
0° - 40°	100352	93%
0° - 60°	105658	98%
0° - 80°	107931	100%
0° - 90°	108095	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	16034.5 fc	1.8 ft	1.9 ft
8.0 ft	9019.4 fc	2.4 ft	2.5 ft
10.0 ft	5772.4 fc	3.0 ft	3.1 ft
12.0 ft	4008.6 fc	3.6 ft	3.8 ft
14.0 ft	2945.1 fc	4.2 ft	4.4 ft
16.0 ft	2254.9 fc	4.8 ft	5.0 ft
18.0 ft	1781.6 fc	5.4 ft	5.6 ft
20.0 ft	1443.1 fc	6.0 ft	6.3 ft

INDOOR COEFFICIENTS OF UTILIZATION

pf pc	20%																		0%
	80%				70%				50%				30%				10%	0%	
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	
2	110	105	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90	
3	105	100	96	93	104	99	95	92	96	93	90	94	91	89	92	89	88	86	
4	101	95	91	87	100	94	90	87	92	89	86	90	87	85	88	86	84	83	
5	98	91	86	83	96	90	86	83	89	85	82	87	84	81	86	83	80	79	
6	95	87	83	79	93	87	82	79	85	81	78	84	81	78	83	80	77	76	
7	91	84	79	76	90	83	79	76	82	78	75	81	78	75	80	77	75	73	
8	88	81	76	73	87	80	76	73	80	75	73	79	75	72	78	74	72	71	
9	86	78	74	70	85	78	73	70	77	73	70	76	73	70	75	72	70	69	
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67	

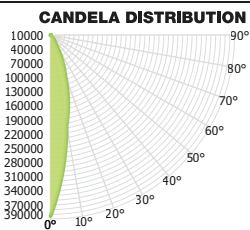
OSP-106-750W

TEST NO.: **EL06152321**

INPUT WATTS: **746.5**

LUMENS: **107371**

EFFICACY: 144

BEAM ANGLE: **25**SPACING CRITERIA: **0.34**

CANDELA TABLE

	0°	90°
0°	383852	383852
10°	195705	241924
20°	91291	100483
30°	23266	27568
40°	5356	6008
50°	3026	3211
60°	1934	1989
70°	1137	1013
80°	719	355
90°	0	5

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	0	0
45.00°	0	0
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	26011
10° - 20°	39947
20° - 30°	25260
30° - 40°	8220
40° - 50°	3287
50° - 60°	2274
60° - 70°	1457
70° - 80°	754
80° - 90°	161

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	65958	61%
0° - 30°	91218	85%
0° - 40°	99438	93%
0° - 60°	104998	98%
0° - 80°	107210	100%
0° - 90°	107371	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	10662.6 fc	2.5 ft	2.3 ft
8.0 ft	5997.7 fc	3.3 ft	3.1 ft
10.0 ft	3838.5 fc	4.1 ft	3.9 ft
12.0 ft	2665.6 fc	5.0 ft	4.7 ft
14.0 ft	1958.4 fc	5.8 ft	5.5 ft
16.0 ft	1499.4 fc	6.6 ft	6.3 ft
18.0 ft	1184.7 fc	7.4 ft	7.0 ft
20.0 ft	959.6 fc	8.3 ft	7.8 ft

INDOOR COEFFICIENTS OF UTILIZATION

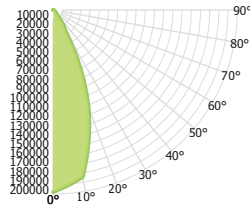
pf pc	20%																		0%
	80%				70%				50%				30%				10%		0%
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	114	111	109	107	111	109	107	105	105	104	102	102	100	99	98	97	96	94	
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89	
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	90	88	86	85	
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	81	
5	96	89	84	81	95	88	84	80	87	83	79	85	82	79	84	81	78	77	
6	93	85	80	76	91	84	80	76	83	79	76	82	78	75	80	77	75	73	
7	89	81	76	73	88	81	76	73	80	75	72	79	75	72	78	74	72	70	
8	86	78	73	70	85	78	73	70	77	72	69	76	72	69	75	71	69	68	
9	83	75	70	67	82	75	70	67	74	70	66	73	69	66	72	69	66	65	
10	80	72	67	64	80	72	67	64	71	67	64	70	67	64	70	66	64	63	

OSP-106-750W

TEST NO.: **EL06152321**

INPUT WATTS: **746.5** LUMENS: **107251** EFFICACY: **144** BEAM ANGLE: **40** SPACING CRITERIA: **0.69**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	197717	197717
10°	184299	187205
20°	111968	121805
30°	28089	35030
40°	5900	7289
50°	3253	3529
60°	2010	2062
70°	1132	993
80°	600	344
90°	0	5

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0°	0	0
10°	45.00°	0
20°	55.00°	0
30°	65.00°	0
40°	75.00°	0
50°	85.00°	0
60°		
70°		
80°		
90°		

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	18042
10° - 20°	41528
20° - 30°	30000
30° - 40°	9544
40° - 50°	3530
50° - 60°	2325
60° - 70°	1427
70° - 80°	711
80° - 90°	144

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	59570	56%
0° - 30°	89570	84%
0° - 40°	99113	92%
0° - 60°	104969	98%
0° - 80°	107107	100%
0° - 90°	107251	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	5492.1 fc	4.8 ft	4.7 ft
8.0 ft	3089.3 fc	6.4 ft	6.2 ft
10.0 ft	1977.2 fc	7.9 ft	7.8 ft
12.0 ft	1373.0 fc	9.5 ft	9.4 ft
14.0 ft	1008.8 fc	11.1 ft	10.9 ft
16.0 ft	772.3 fc	12.7 ft	12.5 ft
18.0 ft	610.2 fc	14.3 ft	14.1 ft
20.0 ft	494.3 fc	15.9 ft	15.6 ft

INDOOR COEFFICIENTS OF UTILIZATION

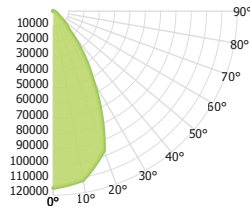
pf	pc	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	106	102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88	
3	104	98	93	90	102	96	92	89	94	90	87	91	89	86	89	87	85	83	
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79	
5	95	87	82	78	93	86	82	78	85	80	77	83	79	76	82	78	76	74	
6	91	83	78	74	90	82	77	73	81	76	73	79	75	72	78	75	72	71	
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	67	
8	84	75	70	66	83	75	70	66	74	69	66	73	69	66	72	68	65	64	
9	81	72	67	63	80	71	66	63	71	66	63	70	66	63	69	65	62	61	
10	78	69	64	60	77	68	64	60	68	63	60	67	63	60	66	62	60	59	

OSP-106-750W

TEST NO.: **EL06152321**

INPUT WATTS: **746.4** LUMENS: **108763** EFFICACY: **146** BEAM ANGLE: **60** SPACING CRITERIA: **0.90**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	115233	115233
10°	111832	112397
20°	96538	97610
30°	51129	52175
40°	16216	15513
50°	4741	4566
60°	2287	2169
70°	1215	1032
80°	594	347
90°	0	6

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0°	0	0
10°	45.00°	0
20°	55.00°	0
30°	65.00°	0
40°	75.00°	0
50°	85.00°	0
60°		
70°		
80°		
90°		

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	10822
10° - 20°	29785
20° - 30°	34592
30° - 40°	20250
40° - 50°	7611
50° - 60°	3134
60° - 70°	1638
70° - 80°	781
80° - 90°	151

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	40607	37%
0° - 30°	75199	69%
0° - 40°	95449	88%
0° - 60°	106194	98%
0° - 80°	108612	100%
0° - 90°	108763	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	3200.9 fc	6.7 ft	6.7 ft
8.0 ft	1800.5 fc	8.9 ft	8.9 ft
10.0 ft	1152.3 fc	11.1 ft	11.1 ft
12.0 ft	800.2 fc	13.3 ft	13.4 ft
14.0 ft	587.9 fc	15.6 ft	15.6 ft
16.0 ft	450.1 fc	17.8 ft	17.8 ft
18.0 ft	355.7 fc	20.0 ft	20.0 ft
20.0 ft	288.1 fc	22.2 ft	22.3 ft

INDOOR COEFFICIENTS OF UTILIZATION

pf	pc	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	106	102	102	102	100
1	113	110	107	105	110	108	105	103	104	102	100	100	99	97	97	95	94	93	
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85	
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	81	79	
4	96	88	82	78	94	87	82	77	85	80	76	83	79	76	81	77	75	73	
5	91	82	76	72	89	81	76	71	79	74	71	78	73	70	76	72	69	68	
6	86	77	71	66	85	76	70	66	75	69	66	73	69	65	72	68	65	63	
7	82	72	66	62	80	72	66	62	70	65	61	69	64	61	68	64	61	59	
8	78	68	62	58	77	67	62	57	66	61	57	65	60	57	64	60	57	55	
9	74	64	58	54	73	64	58	54	63	57	54	62	57	54	61	57	53	52	
10	71	61	55	51	70	60	55	51	59	54	51	59	54	50	58	53	50	49	