ORACLE LIGHTING

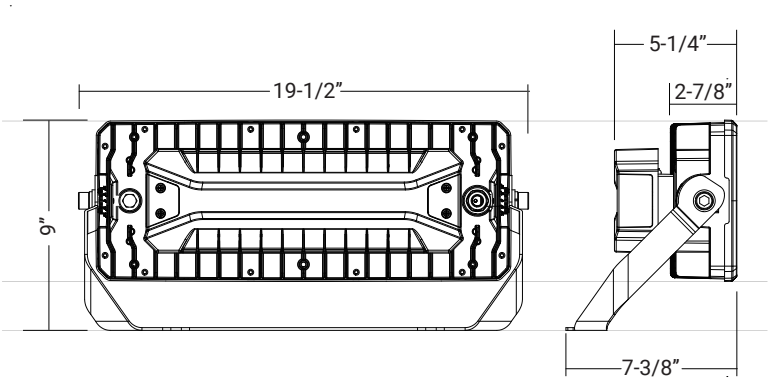
OSP-125-F-300W

Sports & Arena Light

Rotate 270°

Tilt 60°

Introducing our versatile Sports and Arena Light, 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

- IP66 waterproof rating for superior weather protection.
- 5-year warranty for long-term reliability and support.
- Modular design for convenient assembly and maintenance.
- High-strength structure with corrosion-resistant coating.
- Multiple beam angle options for customizable illumination.
- Optional color temperature for desired ambiance.
- Certified product meeting CE, RoHS, DLC, FCC, and UL standards.
- Versatile application in stadiums, sports fields, high mast lighting, and more.
- Suitable for a wide range of spaces.
- Lighting Simulation service available for optimal lighting design.
- Heavy duty die-cast aluminum housing.
- Ambient operating temperature ranges from -40 - 122°F.

SERIES	DELIVERED LUMENS	WATTAGE
OSP-125-F-300W	40000	300W

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

SERIES	Sports & Arena Light - 300W
WATTAGE	300W
EFFICIENCY	150lm/W
LUMINOUS FLUX	40,000Lm
CCT	3000K, 4000K, 5000K, 5700K, 6500K
BEAM ANGLE	NS=15°, NFL=30°, FL=60°, WFL=90°, VWFL120°, 20*30°, WB-P60°, 130*30°, T3-VS
NEMA TYPE	3 (15°), 4 (30°), 6 (60°), 6 (90°), 7 (120°), 3X4 (20*30°), WW (WB-P60°), 7X6 (130*30), T3 (T3-VS)
CRI	70, 80, 90
CONTROL	0-10V
VPR	10KV SPD

Due to the changes of constant improvement in LED technology, all details are subject to change without notice. Consult factory for up to date information.
DM20240814

ELECTRICAL DATA:

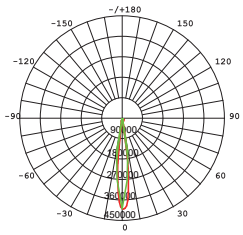
Input Voltage	Power Frequency	Output Voltage	Power Efficiency	Power Factor	Total Harmonic Distortion
AC100-277V AC277-480V	50/60Hz	DC54V	92%	0.95	<15%

OTHERS:

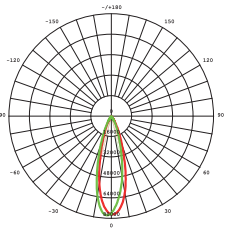
IP Rating	Lifetime (L70 Standard)	Heat Radiator	Lens Thickness	Lens Material	Gross Weight	Fixture Dimension
IP66	50,000 hours	Die-cast aluminum	4 mm	PC	16 lbs	19.5"x 9"x 7.4"

PHOTOMETRIC DIAGRAMS

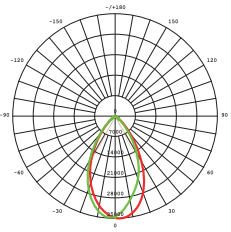
15°



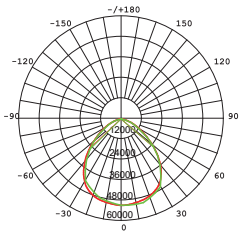
30°



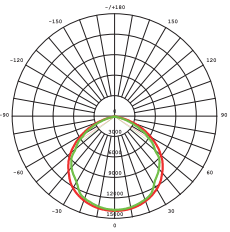
60°



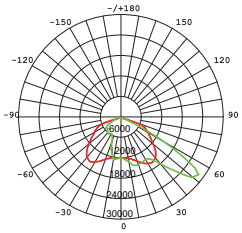
90°



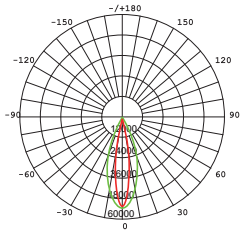
120°



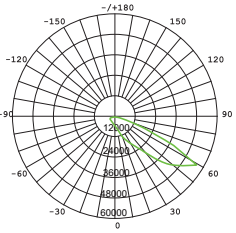
T3-VS



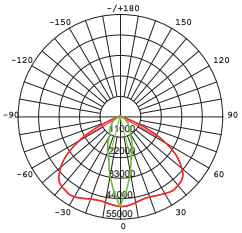
20x30°



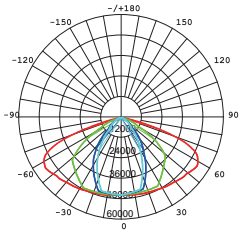
WB-P60



130x30°



150x60°



EXAMPLE:

SERIES	WATTAGE	BEAM ANGLE	CCT	CRI	CONTROL	ACCESSORY
OSP-125-F	❑ 300W	❑ **NS**=15° ❑ **NFL**=30° ❑ **FL**=60° ❑ **WFL**=90° ❑ **VWFL**=120° ❑ **NEMA 7X6-150**=150x60° ❑ **NEMA 3X4**=20x30° ❑ **WW**=WB-P60° ❑ **NEMA 7X6-130**=130x30° ❑ **T3**=T3-VS	❑ 30K ❑ 40K ❑ 50K ❑ 57K ❑ 65K	❑ 70 ❑ 80 ❑ 90	❑ 0-10V-100-277V ❑ 0-10V-277-480V	❑ OSP-125-F-ACC-3 ❑ OSP-125-F-ACC-2-LAD

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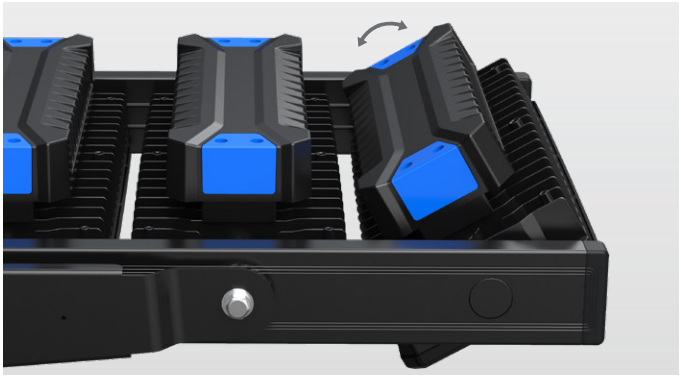
SPORTS & ARENA LIGHT SERIES

The default mount york is included and the other options are available.

300W	600W	900W	1200W
1	2	3	4

ROTATION

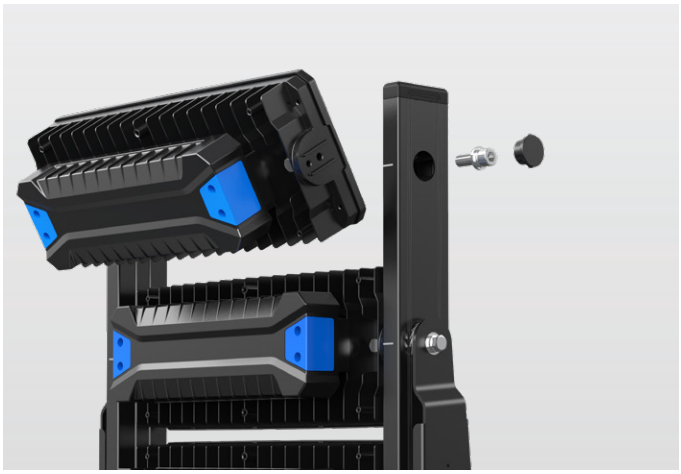
Screw off the wing nuts to the horizon of rear of light. Rotational angle of single light ±30°.



Revolving the arrow to the horizontal of bracket, slideable gear.

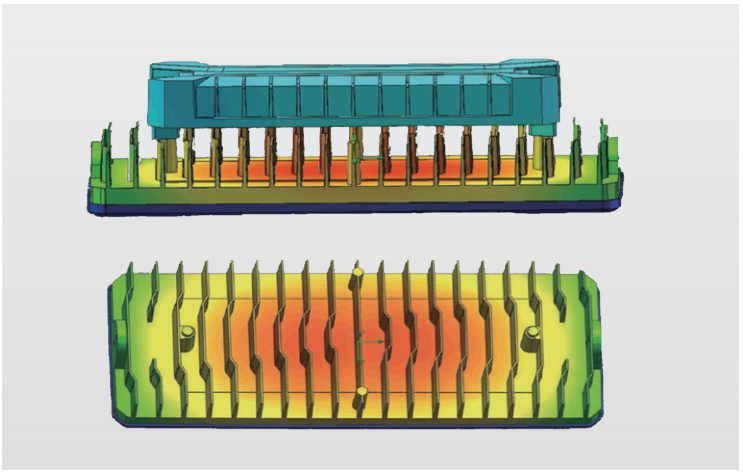
REPLACE THE LIGHT

Put the lights to the clip, screw down the wing nuts to 90° angle. Insert the waterproof connector to the socket, light up the light.



TEMPERATURE SIMULATION

Driver temperature rise 32°, chip temperature rise 60°.



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AUXILIARY ACCESSORIES

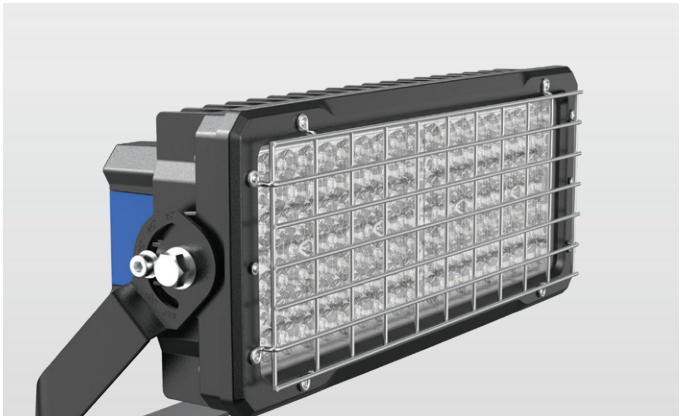
Light barrier

OSP-125-F-ACC-3

Laser diode aiming device

OSP-125-F-ACC-2-LAD

Wire Guard (included)



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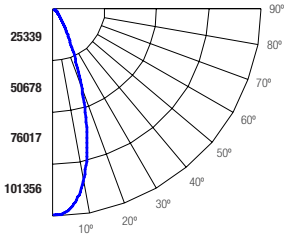
OSP-125-F-300W(30D)

TEST NO.: **EL06152321**

INPUT WATTS: **298.091** LUMENS: **44019** CRI: **>70** EFFICACY: **148** CCT: **5000K** SPACING CRITERIA: **0.58**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	24177.47	54.90	54.90
0-30	34253.65	77.80	77.80
0-40	38781.14	88.10	88.10
0-60	42559.94	96.70	96.70
0-80	43966.48	99.90	99.90
0-90	44018.69	100.00	100.00

Luminance (Average candela/M^2)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

Lumens Per Zone

Zone	Lumens
0-10	8386.17
10-20	15791.33
20-30	10076.15
30-40	4527.49
40-50	2288.87
50-60	1489.93
60-70	968.34
70-80	438.19
80-90	52.22

Candela Tabulation

	0
0.0	101172.359
5.0	92288.000
15.0	60757.000
25.0	25379.000
35.0	8566.200
45.0	3350.900
55.0	1754.700
65.0	979.970
75.0	405.450
85.0	0.000
90.0	0.000

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

ROOM CAVITY RATIO	RC	80%				70%				50%			30%			10%			0%
	RW	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	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94
2		108	103	99	96	106	102	98	95	98	96	93	95	93	91	93	91	89	87
3		103	97	92	88	101	96	91	88	93	89	86	91	87	85	88	86	84	82
4		98	91	86	82	97	90	85	81	88	84	80	86	82	80	84	81	79	77
5		94	86	81	77	92	85	80	76	84	79	76	82	78	75	80	77	74	73
6		90	82	76	72	89	81	76	72	79	75	71	78	74	71	77	73	70	69
7		86	78	72	68	85	77	72	68	76	71	68	75	70	67	74	70	67	66
8		83	74	69	65	82	74	68	65	73	68	64	72	67	64	71	67	64	63
9		80	71	65	62	79	70	65	62	69	65	61	69	64	61	68	64	61	60
10		77	68	63	59	76	67	62	59	67	62	59	66	62	59	65	61	59	57

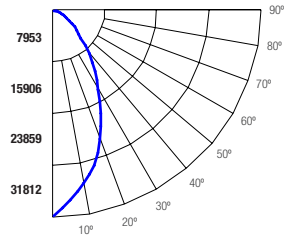
RC - Ceiling Cavity Reflectance RW - Wall Reflectance

OSP-125-F-300W(60D)

TEST NO.: **EL06152321**

INPUT WATTS: **302.779** LUMENS: **38890** CRI: **>70** EFFICACY: **128** CCT: **5000K** SPACING CRITERIA: **0.94**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	10177.00	26.20	26.20
0-30	19145.71	49.20	49.20
0-40	27140.64	69.80	69.80
0-60	36322.81	93.40	93.40
0-80	38836.1	99.90	99.90
0-90	38889.97	100.00	100.00

Luminance (Average candela/M^2)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

Lumens Per Zone

Zone	Lumens
0-10	2850.32
10-20	7326.68
20-30	8968.71
30-40	7994.93
40-50	5690.53
50-60	3491.64
60-70	1819.69
70-80	693.53
80-90	53.93

Candela Tabulation

	0
0.0	31812.000
5.0	29432.000
15.0	24816.000
25.0	17653.000
35.0	11399.000
45.0	6054.100
55.0	3450.500
65.0	1589.000
75.0	469.510
85.0	0.000
90.0	0.000

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

ROOM CAVITY RATIO	RC	80%				70%				50%			30%			10%			0%
	RW	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		112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2		104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	85	82	80
3		97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	72
4		91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65
5		85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6		80	69	62	56	78	68	61	56	66	60	56	65	60	55	63	59	55	53
7		75	64	57	51	74	63	56	51	62	56	51	60	55	51	59	54	50	49
8		71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45
9		67	55	48	44	65	55	48	44	54	48	43	53	47	43	52	47	43	41
10		63	52	45	40	62	51	45	40	50	44	40	50	44	40	49	44	40	38

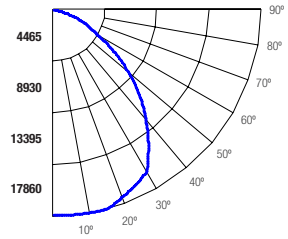
RC - Ceiling Cavity Reflectance RW - Wall Reflectance

OSP-125-F-300W(90D)

TEST NO.: **EL06152321**

INPUT WATTS: **315.594** LUMENS: **40075** CRI: **>70** EFFICACY: **127** CCT: **5000K** SPACING CRITERIA: **1.32**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	6543.34	16.30	16.30
0-30	13968.66	34.80	34.90
0-40	22575.08	56.30	56.30
0-60	35785.05	89.20	89.30
0-80	40011.13	99.70	99.80
0-90	40074.77	99.90	100.00

Luminance (Average candela/M^2)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

Lumens Per Zone

Zone	Lumens
0-10	1678.37
10-20	4864.97
20-30	7425.33
30-40	8606.42
40-50	7723.78
50-60	5486.19
60-70	3094.01
70-80	1132.17
80-90	63.54

Candela Tabulation

	0
0.0	17795.000
5.0	17814.000
15.0	17854.000
25.0	16775.000
35.0	14382.000
45.0	10677.000
55.0	6543.900
65.0	3301.400
75.0	949.420
85.0	0.000
90.0	0.000

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

ROOM CAVITY RATIO	RC	80%				70%				50%			30%			10%			0%
	RW	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		111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88
2		102	95	89	84	99	93	88	83	90	85	81	86	83	80	84	81	78	76
3		94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66
4		87	76	68	62	85	75	67	62	72	66	61	70	65	60	68	63	59	57
5		80	69	60	54	78	67	60	54	65	59	54	64	58	53	62	57	52	51
6		74	62	54	48	73	61	54	48	60	53	48	58	52	47	56	51	47	45
7		69	57	49	43	68	56	48	43	54	48	42	53	47	42	52	46	42	40
8		65	52	44	39	63	51	44	38	50	43	38	49	43	38	48	42	38	36
9		61	48	40	35	59	47	40	35	46	39	35	45	39	35	44	39	34	33
10		57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	35	31	30

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

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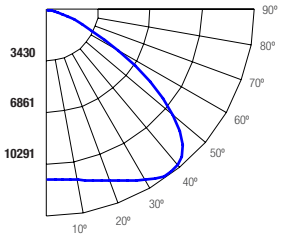
OSP-125-F-300W(120D) TEST NO.: **EL06152321**

INPUT WATTS: **301.606** LUMENS: **39754** CRI: **>70** EFFICACY: **132** CCT: **5000K** SPACING CRITERIA: **1.68**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	4457.71	11.20	11.20
0-30	1030 7.98	25.90	25.90
0-40	18609.4	46.70	46.80
0-60	35102.17	88.20	88.30
0-80	39670.97	99.60	99.80

Luminance (Average candela/M^2)

0-90	39754.26	99.90	100.00
Angle in Degrees	**Average 0º**	**Average 45º**	**Average 90º**
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0

Lumens Per Zone

85	0	0
Zone	**Lumens**	
0-10	1093.18	
10-20	3364.53	
20-30	5850.27	
30-40	8301.42	
40-50	9405.53	
50-60	7087.24	
60-70	3419.47	
70-80	1149.31	

Candela Tabulation

80-90	0	83.32
	0	
0.0	11264.000	
5.0	11373.000	
15.0	11591.000	
25.0	12352.000	
35.0	12710.000	
45.0	12665.000	
55.0	7568.700	
65.0	3631.900	
75.0	854.650	
85.0	0.000	

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

90.0 0.000

RC	80%				70%				50%			30%			10%			0%
RW	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	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	89	87
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	76	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	61	48	39	34	60	47	39	33	46	38	33	45	38	33	43	37	33	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28

ROOM CAVITY RATIO

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

Due to the changes of constant improvement in LED technology, all details are subject to change without notice. Consult factory for up to date information.