



MOUNTING OPTIONS



EASY 3 COLORS
SELECTOR
3500K • 4000K • 5000K



WM
Wall Mount



AM
Arm Mount



SFM
Slipfitter Mount



TRM
Trunnion Mount



PM
Pole Mount

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
21000	21104	150W
14000	14070	100W
10000	10452	72W

Wattage is based on 120VAC. Actual wattage may vary +/- 5%

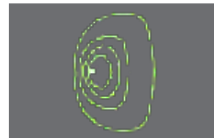
BUG RATING: ACCORDING TO TYPE III DISTRIBUTION		
B	U	G
3	0	3

FEATURES

OAL-203-LED is easy to install and operate and has an instant start with zero flickering and humming. Choose to be eco-friendly with this fixture that consists of no mercury and is energy saving with a long lifespan. The soft and uniform light it emits has no UV or IR and is great for outdoor applications such as sports fields, stadiums, and gymnasiums as well as warehouses and transport stations.

LUMENS	10000/14000/21000
CCT	30K/40K/50K
CRI	80+
VOLTAGE	120-277VAC
MOUNTING	Arm, Slipfitter, Wall, Trunnion, Pole
DISTRIBUTION	Standard: T3D - Type III, (Included: Type IV, Type V)
WORKING TEMPERATURE	-40°C (-40°F) to 50°C (122°F)
SURGE PROTECTION	6kV
EPA RATING	150W is 1.63 300W is 2.46
LIFETIME	L85 AT 100,000 Hours

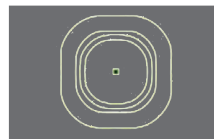
DISTRIBUTION



Type 3 optics produce an asymmetrical pattern that directs the majority of the light forward and equally on both sides of the luminaire. In a back-to-back configuration, it creates a rectangular pattern which can extend pole spacings.



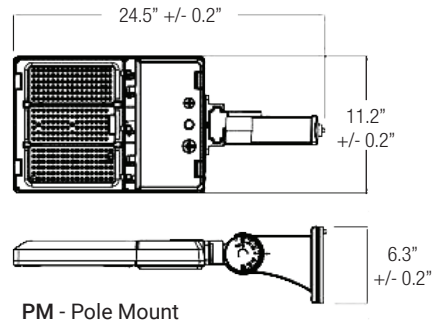
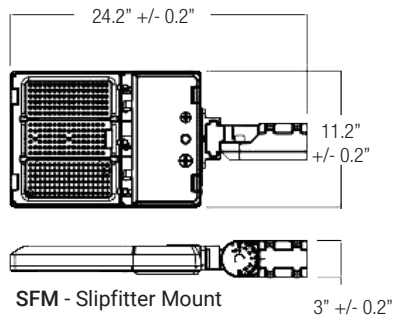
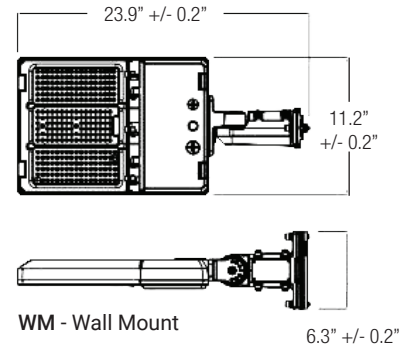
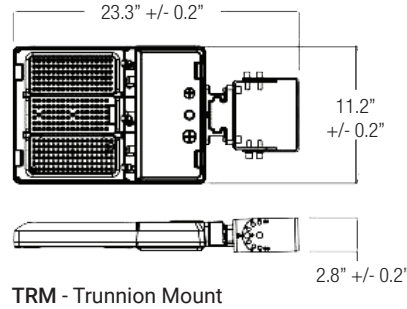
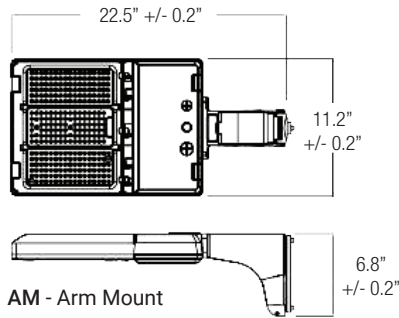
Type 4 optics is suitable for applications where light is primarily required forward with minimal backlight. Typical installations include perimeter poles.



Type 5 optics produce a symmetrical square distribution pattern that distributes light equally on all sides of the luminaire. Type 5 luminaires is universal for most area lighting applications.



DIMENSIONS



CONSTRUCTION

The product features a durable, rugged one-piece, die-cast aluminum housing. It incorporates heat dissipating fins and flow-through venting, which effectively manage thermal conditions, thereby enhancing the performance of the LED and extending the lifespan of the components. The light engines and housing are sealed to provide protection against moisture and environmental contaminants up to IP65 standards. Low profile, 3G vibration rated compact design minimizes wind load requirements.

OPTICS

Precision acrylic refractive lenses optimize application efficiency by directing light precisely where it's needed. It is available in 3 different distributions: Type III, Type IV, Type V. The optics can conform to dark sky requirement.

FINISH

The exterior parts are safeguarded by a zinc-infused super durable thermoset powder coat finish, ensuring exceptional protection against corrosion and weathering.

INSTALLATION

Suitable for mounting heights ranging from 26' to 50' in area lighting applications. Round pole, Square pole, Slipfitter, and Wall Mount are available. The design can be operated by one person to install the whole lamp.

ELECTRICAL

Powered by high-quality constant-current Class 1 powered LED drivers, rated for 50Hz to 60Hz at 120/277V input. Available in 347V. Produces less than 20% THD and has a power factor of .90 to 1.00. The light fixture incorporates a serviceable 10kV surge protection device that meets the minimum requirements of Category C Low operation, as per the ANSI/IEEE C62.41.2 standard.

DIMMING & DRIVER INFORMATION

DIM10 - Flicker Free Dimming Standard (DIM10) 0-10V dimming on either MVOLT 120, 277.

WARRANTY

Five-year warranty for parts and components. (Labor not included)

LISTINGS

- DesignLights Consortium® (DLC) Premium qualified product
- DLC qualified product.
- IP65 per IEC 60529 standard and totally protected against dust/sand impact
- UL Listed for wet locations, UL listed to meet US and Canadian standards.
- International Dark-Sky Association (IDA) qualified
- ANSI C136.41 Receptacle/Socket, NEMA 5-pin, Receptacle/Socket, NEMA 7-pin Receptacle/Socket, Zhaga

Example: **OAL-203-LED-10000L/14000L/21000L-DIM10-MVOLT-30K/40K/50K-T3D-BZ**

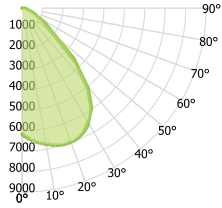
OAL-203-LED	10000L/14000L/21000L								
SERIES	PERFORMANCE	DIMMING	VOLTAGE	CCT	DISTRIBUTION	ACCESSORIES	MOUNTING	FINISH	
OAL-203-LED	10000L/14000L/21000L	DIM10 0-10V Dimming	MVOLT - 120-277V	30K/40K/50K	T3D - Type III Standard T4D - Type IV T5D - Type V Included in box T2D - Type II Sold Separately	PHC - Photocell MS - Motion Sensor SP- 10K Surge Protection	<div> <div> PM- Pole Mount OAL-203-ACC-PM </div> <div> PM- Pole Mount Adj OAL-203-ACC-PM-ADJ </div> <div> SFM- Slipfitter Mount OAL-203-ACC-SFM </div> <div> TRM- Trunnion Mount OAL-203-ACC-TRM </div> <div> YM- Yoke Mount OAL-203-ACC-YM </div> </div>	<div> BZ- Bronze BK- Black WH- White </div>	

OAL-203-LED-10000L-14000L-21000L-DIM10-MVOLT-30K-40K-50K-T2D-BZ(21000L)

TEST NO.: **EL01082420**

INPUT WATTS: **143.9** LUMENS: **20598** EFFICACY: **143** BEAM ANGLE: **62** SPACING CRITERIA: **1.44**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	6167	6167
10°	6752	6181
20°	6960	6264
30°	6502	6401
40°	4936	6580
50°	2441	6829
60°	958	7310
70°	429	7940
80°	171	2787
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	879518	879518
45.00°	740040	1351909
55.00°	383572	1735361
65.00°	217047	2597651
75.00°	154173	3509997
85.00°	110499	909909

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	585
10° - 20°	1691
20° - 30°	2647
30° - 40°	3363
40° - 50°	3655
50° - 60°	3478
60° - 70°	3046
70° - 80°	1849
80° - 90°	284

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	2276	11%
0° - 30°	4923	24%
0° - 40°	8286	40%
0° - 60°	15419	75%
0° - 80°	20314	99%
0° - 90°	20598	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	171.3 fc	7.7 ft	57.9 ft
8.0 ft	96.4 fc	10.3 ft	77.2 ft
10.0 ft	61.7 fc	12.9 ft	96.4 ft
12.0 ft	42.8 fc	15.5 ft	115.7 ft
14.0 ft	31.5 fc	18.1 ft	135.0 ft
16.0 ft	24.1 fc	20.7 ft	154.3 ft
18.0 ft	19.0 fc	23.2 ft	173.6 ft
20.0 ft	15.4 fc	25.8 ft	192.9 ft

INDOOR COEFFICIENTS OF UTILIZATION

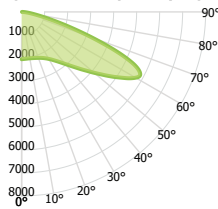
pf	20%																		0%		
pc																			0%		
pw	80%				70%				50%				30%				10%				0%
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	108	103	98	94	105	101	96	93	96	93	90	92	90	87	89	87	84	82			
2	97	89	81	75	95	87	80	75	83	78	73	80	75	71	77	73	69	67			
3	88	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56			
4	80	68	59	52	78	66	58	51	64	56	51	62	55	50	59	54	49	47			
5	74	60	51	44	71	59	50	44	57	49	43	55	48	43	53	47	42	40			
6	68	54	45	38	66	53	44	38	51	43	38	49	42	37	48	42	37	35			
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	44	37	32	30			
8	58	44	36	30	57	44	35	29	42	35	29	41	34	29	40	34	29	27			
9	54	41	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24			
10	51	37	29	24	50	37	29	24	36	29	24	35	28	24	34	28	23	22			

OAL-203-LED-10000L-14000L-21000L-DIM10-MVOLT-30K-40K-50K-T3D-BZ(21000L)

TEST NO.: **EL01082420**

INPUT WATTS: **145.5** LUMENS: **21171** EFFICACY: **146** BEAM ANGLE: **136** SPACING CRITERIA: **2.56**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	2056	2056
10°	2049	2071
20°	2126	2204
30°	2360	2630
40°	2960	3478
50°	4117	4714
60°	5721	5616
70°	3248	3087
80°	516	397
90°	14	10

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°	199
10° - 20°	618
20° - 30°	1146
30° - 40°	1966
40° - 50°	3260
50° - 60°	5071
60° - 70°	5886
70° - 80°	2594
80° - 90°	267

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	817	4%
0° - 30°	1963	9%
0° - 40°	3929	19%
0° - 60°	12260	58%
0° - 80°	20740	98%
0° - 90°	21007	99%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	57.1 fc	29.4 ft	31.5 ft
8.0 ft	32.1 fc	39.2 ft	41.9 ft
10.0 ft	20.6 fc	49.0 ft	52.4 ft
12.0 ft	14.3 fc	58.8 ft	62.9 ft
14.0 ft	10.5 fc	68.6 ft	73.4 ft
16.0 ft	8.0 fc	78.5 ft	83.9 ft
18.0 ft	6.3 fc	88.3 ft	94.4 ft
20.0 ft	5.1 fc	98.1 ft	104.9 ft

INDOOR COEFFICIENTS OF UTILIZATION

pf	20%																		0%		
pc																			0%		
pw	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	101	101	101	99			
1	106	100	94	90	103	97	93	88	93	89	85	89	85	82	85	82	80	77			
2	93	83	74	67	90	80	73	66	77	70	64	73	67	62	70	65	61	58			
3	82	69	59	51	79	67	58	50	64	56	49	61	54	48	58	52	47	44			
4	73	58	48	39	71	57	47	39	54	45	38	51	44	38	49	42	37	34			
5	66	50	39	31	63	49	39	31	47	38	31	44	36	30	42	35	30	27			
6	60	44	33	26	58	43	33	25	41	32	25	39	31	25	37	30	24	22			
7	55	39	28	21	53	38	28	21	36	27	21	34	26	20	33	26	20	18			
8	50	35	25	18	49	34	24	18	32	24	18	31	23	17	30	22	17	15			
9	47	31	22	15	45	31	22	15	29	21	15	28	20	15	27	20	15	13			
10	43	28	19	13	42	28	19	13	27	19	13	26	18	13	25	18	13	11			

OAL-203-LED-10000L-14000L-21000L-DIM10-MVOLT-30K-40K-50K-T4D-BZ(21000L)

TEST NO.: **EL01082420**

INPUT WATTS: **144.0**

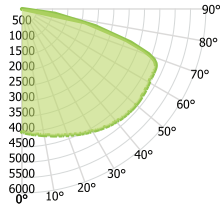
LUMENS: **20281**

EFFICACY: **141**

BEAM ANGLE: **125**

SPACING CRITERIA: **1.77**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	4015	4015
10°	4179	4018
20°	4379	4055
30°	4601	4111
40°	4789	4243
50°	4860	4574
60°	4790	5077
70°	4464	4274
80°	1557	1148
90°	5	3

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	572645	572645
10°	976797	882973
20°	1202134	1200543
30°	1609228	1704119
40°	1677279	1507677
50°	859151	451437

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	385
10° - 20°	1148
20° - 30°	1889
30° - 40°	2590
40° - 50°	3243
50° - 60°	3790
60° - 70°	3891
70° - 80°	2677
80° - 90°	609

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	1533	8%
0° - 30°	3422	17%
0° - 40°	6011	30%
0° - 60°	13044	64%
0° - 80°	19612	97%
0° - 90°	20221	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	111.5 fc	30.7 ft	44.6 ft
8.0 ft	62.7 fc	41.0 ft	59.5 ft
10.0 ft	40.2 fc	51.2 ft	74.4 ft
12.0 ft	27.9 fc	61.4 ft	89.2 ft
14.0 ft	20.5 fc	71.7 ft	104.1 ft
16.0 ft	15.7 fc	81.9 ft	119.0 ft
18.0 ft	12.4 fc	92.1 ft	133.8 ft
20.0 ft	10.0 fc	102.4 ft	148.7 ft

INDOOR COEFFICIENTS OF UTILIZATION

pw	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	111	111	111	106	106	106	106	102	102	102	100
1	106	100	95	90	103	98	93	89	94	90	86	89	86	83	86	83	81	78
2	94	85	76	69	92	82	75	69	79	72	67	75	70	65	72	68	64	61
3	85	72	63	55	82	70	62	54	67	60	53	64	58	52	62	56	51	49
4	76	63	52	45	74	61	52	44	58	50	43	56	49	43	54	47	42	40
5	70	55	45	37	67	54	44	37	51	43	36	49	42	36	47	41	35	33
6	64	49	39	31	62	48	38	31	46	37	31	44	36	31	42	35	30	28
7	59	44	34	27	57	43	34	27	41	33	27	40	32	26	38	31	26	24
8	54	39	30	24	53	39	30	24	37	29	23	36	29	23	35	28	23	21
9	51	36	27	21	49	35	27	21	34	26	21	33	26	21	32	25	20	18
10	47	33	24	19	46	32	24	19	31	24	18	30	23	18	29	23	18	16

OAL-203-LED-10000L-14000L-21000L-DIM10-MVOLT-30K-40K-50K-T5D-BZ(21000L)

TEST NO.: **EL01082420**

INPUT WATTS: **143.9**

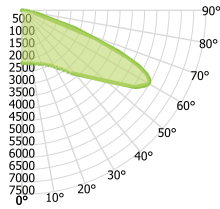
LUMENS: **20748**

EFFICACY: **144**

BEAM ANGLE: **137**

SPACING CRITERIA: **2.75**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	2147	2147
10°	2193	2142
20°	2326	2220
30°	2660	2512
40°	3414	3155
50°	4681	4138
60°	5958	5142
70°	2826	3526
80°	427	571
90°	6	2

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	306174	306174
10°	803510	727999
20°	1353753	1174138
30°	1725884	1651848
40°	635812	907020
50°	233532	225023

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	207
10° - 20°	638
20° - 30°	1156
30° - 40°	1926
40° - 50°	3114
50° - 60°	4810
60° - 70°	5765
70° - 80°	2774
80° - 90°	300

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	845	4%
0° - 30°	2001	10%
0° - 40°	3928	19%
0° - 60°	11852	57%
0° - 80°	20391	98%
0° - 90°	20691	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	59.6 fc	30.5 ft	32.6 ft
8.0 ft	33.5 fc	40.6 ft	43.5 ft
10.0 ft	21.5 fc	50.8 ft	54.4 ft
12.0 ft	14.9 fc	60.9 ft	65.2 ft
14.0 ft	11.0 fc	71.1 ft	76.1 ft
16.0 ft	8.4 fc	81.2 ft	87.0 ft
18.0 ft	6.6 fc	91.4 ft	97.8 ft
20.0 ft	5.4 fc	101.6 ft	108.7 ft

INDOOR COEFFICIENTS OF UTILIZATION

pw	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	111	111	111	106	106	106	106	102	102	102	100
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77
2	93	82	74	66	90	80	72	65	76	70	64	73	67	62	70	65	61	58
3	82	69	58	50	79	67	57	50	64	55	49	61	54	48	58	52	47	44
4	73	58	47	39	70	57	47	39	54	45	38	51	44	37	49	42	37	34
5	66	50	39	31	63	49	39	31	47	37	30	44	36	30	42	35	30	27
6	60	44	33	25	58	43	33	25	41	32	25	39	31	25	37	30	24	22
7	55	39	28	21	53	38	28	21	36	27	21	35	27	21	33	26	20	18
8	50	35	25	18	49	34	24	18	32	24	18	31	23	17	30	23	17	15
9	47	31	22	15	45	31	22	15	29	21	15	28	21	15	27	20	15	13
10	44	28	19	14	42	28	19	13	27	19	13	26	18	13	25	18	13	11