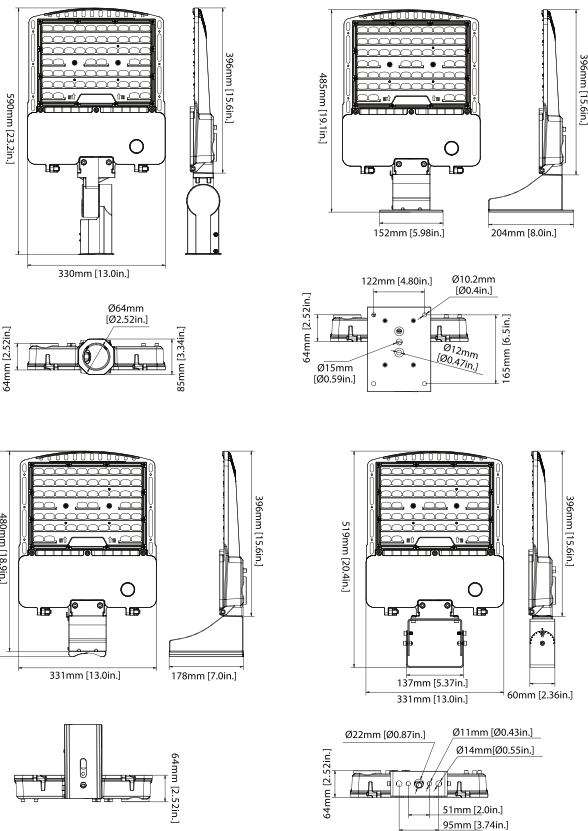




MOUNTING OPTIONS



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



FEATURES

OAL-204-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	10000/14000/17000/21000
CCT	30K/40K/50K
CRI	70+
VOLTAGE	120-277VAC
MOUNTING	Arm, Slipfitter, Wall, Trunnion, Pole
DISTRIBUTION	Type II, Type III, Type IV, Type V
WORKING TEMPERATURE	-40°C (-40°F) to 50°C (122°F)
SURGE PROTECTION	20kV
EPA RATING	140W is 1.63
LIFETIME	L85 AT 100,000 Hours

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
21000	21104	140W
17000	17000	120W
14000	14070	100W
10000	10452	72W

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

BUG RATING

SYSTEM WATTS	DIST. TYPE	B	U	G
140W	2	3	0	3
	3	3	0	3
	4	3	0	3
	5	4	0	2



OPTIC

Available in IES Type II, III, IV, V distributions
Light engines are available in adjustable color temperature (3000K & 4000K & 5000K) configurations.
Scalable Lumen Packages from 10,000 to 21,000 Lumens replaces up to 1000W Metal Halide.
Optics is precisely designed to shape the distribution, maximizing efficiency and application spacing.
The optics can conform to dark sky requirement.

CONSTRUCTION

The rugged, one-piece die-cast aluminum housing features a complete heat sink that optimizes heat dissipation through convection cooling management. Low profile, 3G vibration rated compact design minimizes wind load requirements. Housing is completely sealed against moisture and environmental contaminants.

MOUNTING

Wall mounted for area light delivering uniform, widespread high output.

OPTIONS & ACCESSORIES

Optional photocell (PHC) detects changing light levels and saves energy by turning off during the day
Optional occupancy sensor

DIMMING & DRIVER INFORMATION

- Universal 120-277 VAC or 347-480 VAC input voltage
- Standard with 0-10V dimming driver
- Power adjustable: 100%, 80%, 60%, 40%.
- THD: ≤20%
- Power Factor: ≥90%

WARRANTY

Five-year warranty for parts and components

LISTINGS

c-UL-us - Listed for Feed Through Wiring.

Housing

The one-piece die-cast housing with corrosion-resistant coating protection and the modular design extend the life of the luminaire while making it easy to maintain.

Photocell

Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell.

CCT & POWER Adjustable

Offer four selectable lumen output (40%/60%/80%/100%), and three selectable CCTs (30K/40K/50K)



Mounting

Optional for square, round pole mount, Slipfitter, wall mount, yoke mount. All mounting brackets are simple to operate, which can realize single operation and reduce labor costs.

Photometry

Optional Type II, Type III, Type IV and Type V Photometry as per applications.

Occupancy Sensor

Optional occupancy sensor allows for security and energy saving.

Example: **OAL-204-LED-10000L/14000L/17000L/21000L-DIM10-MVOLT-30K/40K/50K-T3D-PM-BZ**

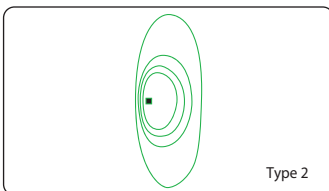
OAL-204-LED									
SERIES OAL-204-LED	PERFORMANCE 10000L/14000L/17000L/21000L	DIMMING DIM10 0-10V Dimming	VOLTAGE MVOLT - 120-277V 347-480V	CCT 30K/40K/50K	DISTRIBUTION T3D - Type III Standard T4D - Type IV T5D - Type V Included in box T2D - Type II Sold Separate	ACCESSORIES PHC - Photocell MS - Motion Sensor SP - 10K Surge Protection	MOUNTING OAL-204/304-ACC-PM OAL-204/304-ACC-PM-ADJ OAL-204/304-ACC-WM OAL-204/304-ACC-YM OAL-204/304-ACC-SFM PM - Pole Mount WM - Wall Mount SFM - Slipfitter Mount AM - Arm Mount TRM - Trunnion Mount	FINISH BZ - Bronze BK - Black WH - White	

OAL-204-LED									
SETTING	SYSTEM WATTS	DIST. TYPE	CRI	3000K		4000K		5000K	
				LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	140W	2	70	20000lm	147 lm/W	23000lm	164 lm/W	21000lm	150 lm/W
		3	70	20000lm	147 lm/W	23000lm	164 lm/W	21000lm	150 lm/W
		4	70	20000lm	147 lm/W	23000lm	164 lm/W	21000lm	150 lm/W
		5	70	21000lm	150 lm/W	23500lm	168 lm/W	21500lm	154 lm/W
80%	120W	2	70	18000lm	150 lm/W	20000lm	167 lm/W	18500lm	154 lm/W
		3	70	18000lm	150 lm/W	20000lm	167 lm/W	18500lm	154 lm/W
		4	70	18000lm	150 lm/W	20000lm	167 lm/W	18500lm	154 lm/W
		5	70	18500lm	154 lm/W	20500lm	171 lm/W	19000lm	158 lm/W
60%	90W	2	70	13800lm	153 lm/W	15200lm	169 lm/W	14200lm	158 lm/W
		3	70	13800lm	153 lm/W	15200lm	169 lm/W	14200lm	158 lm/W
		4	70	13800lm	153 lm/W	15200lm	169 lm/W	14200lm	158 lm/W
		5	70	14000lm	156 lm/W	15600lm	172 lm/W	14500lm	161 lm/W
40%	60W	2	70	9400lm	157 lm/W	10300lm	172 lm/W	9700lm	162 lm/W
		3	70	9400lm	157 lm/W	10300lm	172 lm/W	9700lm	162 lm/W
		4	70	9400lm	157 lm/W	10300lm	172 lm/W	9700lm	162 lm/W
		5	70	9600lm	160 lm/W	10500lm	175 lm/W	10000lm	167 lm/W

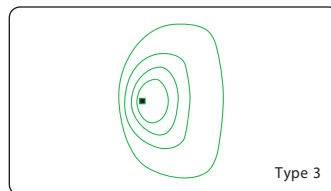
EPA OF AREA LIGHT

Item							
	1	2 @90°	2 @120°	2@180°	3 @90°	3 @120°	4 @90°
100W/140W/180W	0.3632	0.6849	0.8861	0.7264	1.0481	1.2078	1.0481

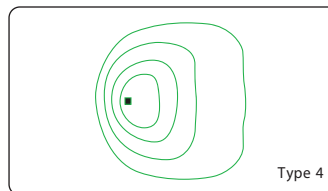
PHOTOMETRICS



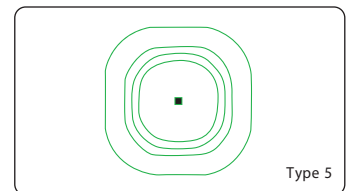
Type 2 optics are well-suited for scenarios requiring luminaires to be spaced at greater distances along a road or pathway. The light distribution pattern is designed for elongated areas, enabling increased pole spacing without compromising lighting quality.



Type 3 optics generate an asymmetrical pattern, directing the majority of light forward and evenly on both sides of the luminaire. When arranged in a back-to-back configuration, it forms a rectangular pattern that can extend the spacing between poles.



Type 4 is ideal for situations where the primary need is forward-directed light with minimal backlight. Common installations involve perimeter poles.



Type 5 optics create a symmetrical square distribution pattern, evenly distributing light on all sides of the luminaire. Type 5 luminaires are versatile and suitable for a wide range of area lighting applications.

MOUNTING

- Standard versatile mounting arm accommodates multiple drilling patterns as well as square and round poles
- Optional for cast aluminum slipfitter mounting adapter.

Mounting Options



Pole Mount
(4" and 5" Square and Round poles)
Standard versatile mounting arm is simple to install and can be used with existing poles for retrofit installations.



Slipfitter Mount
An optional cast aluminum mast arm adapter secures fixture head to nominal 2-3/8" O.D. horizontal steel tenon arm.



Wall Mount
Wall Mount is easy to install for direct wall mounting with 1/2" conduit wiring or standard J-box mounting

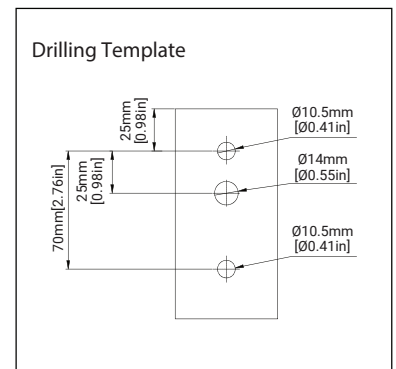
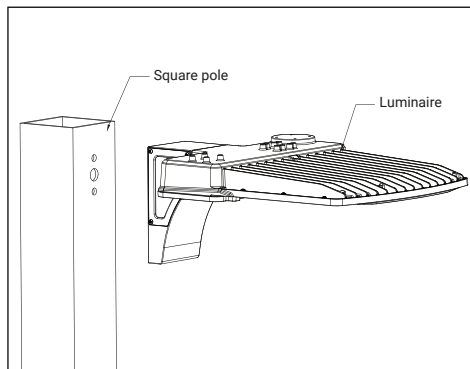
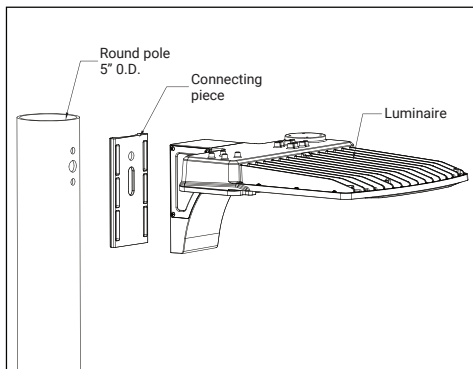


Yoke Mount
Die-cast aluminum trunnion is easily adapted to many surfaces and allows easy fixture aiming angles.



Adjustable Arm Mount
Standard versatile mounting arm is simple to install and can be used with existing poles for retrofit installations.

MOUNTING DIMENSIONS



Note: CCT adjustable(3000K/4000K/5000K) and power adjustable(100%, 80%, 60%, 40%).

ACCESSORIES(Optional)

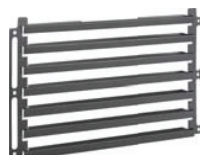
OAL series features a backlight control which provides reduced pixilation and increased visual comfort without compromising performance. External Glare Shield: sold separately or as an accessory.



OAL-204-ACC-GLARE SHIELD
EXTERNAL GLARE SHIELD

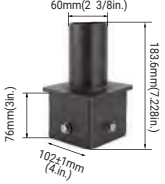






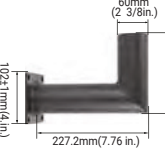
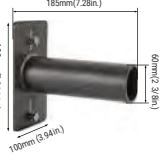
OAL-204-ACC-GLARE
FULL VISOR External Glare Full Visor








Back Light Control Shield
OAL-204-ACC-BLCS

ADDITIONAL MOUNTING ACCESSORIES

POLE BRACKET • For mounting one fixture on an existing pole			
	<p>4' Square Pole Mount with 2-3/8" O.D. Tenon NO. OAL-ACC-4-SQPM Finish: Dark Bronze USE: For use with square, non-tapered steel and aluminum poles. Furnished with four 5/16" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.</p>		<p>4' Round Pole Mount with 2-3/8" O.D. Tenon NO. OAL-ACC-4-RQPM Finish: Dark Bronze USE: For use with Round, non-tapered steel and aluminum poles. Furnished with three 3/8" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.</p>
	<p>5' Square Pole Mount with 2-3/8" O.D. Tenon NO. OAL-ACC-5-SQPM Finish: Dark Bronze USE: For use with square, non-tapered steel and aluminum poles. Furnished with four 5/16" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.</p>		<p>5' Round Pole Mount with 2-3/8" O.D. Tenon NO. OAL-ACC-5-RQPM Finish: Dark Bronze USE: For use with Round, non-tapered steel and aluminum poles. Furnished with three 3/8" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.</p>
	<p>Pole Bracket accessories-Tenon & Yoke Adaptor NO. OAL-ACC-TMA Finish: Dark Bronze USE: The 2-3/8" OD Tenon Mount Adaptor for Yoke Fixtures is designed to mount Elite light fixtures that are equipped with a yoke mount onto a 2-3/8" OD tenon. It may be utilized with the Flood Light Series of light fixtures.</p>		

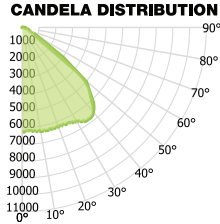
WALL BRACKET • Attaches to any flat surface • Provides wiring access	Mid-Pole tenon Bracket
	
<p>90° Wall Mount Bracket with 2-3/8" O.D. Tenon NO. OAL-ACC-90-WMB Finish: Dark Bronze USE: The 90° wall mount bracket with 2-3/8" tenon attaches an Elite floodlight to almost any surface: wall, roof, or wood pole. Provides wiring access and built-in 2-3/8" O.D. tenon to mount a fixture with our adjustable slipfitter. Suggested 3/8" diameter bolts for mounting. Mounting holes are spaced 3-1/4" apart.</p>	<p>2-3/8" OD Horizontal Tenon Mid-Pole Bracket NO. OAL-ACC-HOR-TMB Finish: Dark Bronze USE: 2-3/8" OD Horizontal Tenon Mid-Pole Bracket is designed to mount light fixture that is equipped with an adjustable slipfitter onto a 2-3/8" OD horizontal tenon</p>

Round External Mount Horizontal Tenon • To mount 2/3/4 fixtures on a existing pole			
	<p>Double 90° Horizontal Tenon Adaptor NO. OAL-ACC-2-90-HOR-TA Finish: Dark Bronze USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally</p>		<p>Triple 120° Horizontal Tenon Adaptor NO. OAL-ACC-3-120-HOR-TA Finish: Dark Bronze USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Three fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally</p>
	<p>Double 180° Horizontal Tenon Adaptor NO. OAL-ACC-2-180-HOR-TA Finish: Dark Bronze USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally</p>		<p>Quad 90° Horizontal Tenon Adaptor NO. OAL-ACC-4-90-HOR-TA Finish: Dark Bronze USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Four fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally</p>
	<p>Triple 90° Horizontal Tenon Adaptor NO. OAL-ACC-3-90-HOR-TA Finish: Dark Bronze USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Three fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally</p>		

OAL-204-LED-10000L-14000L-17000L-21000L-DIM10-MVOLT-30K-40K-50K-T2D-BZ

TEST NO.: **EL11302359**

INPUT WATTS: **140.0** LUMENS: **23036** EFFICACY: **165** BEAM ANGLE: **64** SPACING CRITERIA: **1.62**



CANDELA TABLE

	0°	90°
0°	6229	6229
10°	6285	6597
20°	6305	7145
30°	6505	7449
40°	6579	7651
50°	4858	7619
60°	1078	7701
70°	359	5326
80°	178	1012
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	1140361	1140361
45.00°	1522555	1973277
55.00°	756713	2455932
65.00°	223140	2955446
75.00°	178732	2600742
85.00°	229718	286155

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	597
10° - 20°	1776
20° - 30°	2906
30° - 40°	3912
40° - 50°	4547
50° - 60°	4447
60° - 70°	3256
70° - 80°	1362
80° - 90°	233

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	2374	10%
0° - 30°	5280	23%
0° - 40°	9192	40%
0° - 60°	18186	79%
0° - 80°	22804	99%
0° - 90°	23036	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	173.0 fc	8.5 ft	37.6 ft
8.0 ft	97.3 fc	11.3 ft	50.2 ft
10.0 ft	62.3 fc	14.1 ft	62.7 ft
12.0 ft	43.3 fc	17.0 ft	75.3 ft
14.0 ft	31.8 fc	19.8 ft	87.8 ft
16.0 ft	24.3 fc	22.6 ft	100.3 ft
18.0 ft	19.2 fc	25.4 ft	112.9 ft
20.0 ft	15.6 fc	28.3 ft	125.4 ft

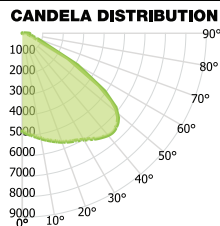
INDOOR COEFFICIENTS OF UTILIZATION

pf	pc	20%																0%				
		80%				70%				50%				30%					10%			
pw		70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	119	116	116	116	116	111	111	111	106	106	106	106	102	102	102	102	100	
1	109	104	100	96	106	102	98	94	98	94	91	94	91	89	90	88	86	84	86	84		
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69				
3	89	79	70	64	87	77	69	63	74	67	62	71	65	61	69	64	60	57				
4	81	69	60	53	79	68	59	53	65	58	52	63	56	51	61	55	50	48				
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41				
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	49	42	37	35				
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31				
8	59	45	36	30	57	44	36	30	43	35	29	41	34	29	40	34	29	27				
9	55	41	32	27	53	40	32	26	39	31	26	38	31	26	37	31	26	24				
10	51	37	29	24	50	37	29	24	36	29	24	35	28	24	34	28	23	22				

OAL-204-LED-10000L-14000L-17000L-21000L-DIM10-MVOLT-30K-40K-50K-T3D-BZ

TEST NO.: **EL11302359**

INPUT WATTS: **144.5** LUMENS: **22693** EFFICACY: **157** BEAM ANGLE: **80** SPACING CRITERIA: **1.93**



CANDELA TABLE

	0°	90°
0°	4795	4795
10°	5218	4867
20°	5648	5177
30°	6010	5597
40°	6507	5936
50°	6079	6225
60°	3042	7115
70°	650	6347
80°	316	2148
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	449613	449613
45.00°	859092	794475
55.00°	792683	1078940
65.00°	310085	1647436
75.00°	150476	1669788
85.00°	373486	447049

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	462
10° - 20°	1415
20° - 30°	2433
30° - 40°	3405
40° - 50°	4113
50° - 60°	4402
60° - 70°	3851
70° - 80°	2188
80° - 90°	425

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	1876	8%
0° - 30°	4309	19%
0° - 40°	7714	34%
0° - 60°	16230	72%
0° - 80°	22268	98%
0° - 90°	22693	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	133.2 fc	11.7 ft	53.2 ft
8.0 ft	74.9 fc	15.7 ft	70.9 ft
10.0 ft	48.0 fc	19.6 ft	88.6 ft
12.0 ft	33.3 fc	23.5 ft	106.3 ft
14.0 ft	24.5 fc	27.4 ft	124.0 ft
16.0 ft	18.7 fc	31.3 ft	141.8 ft
18.0 ft	14.8 fc	35.2 ft	159.5 ft
20.0 ft	12.0 fc	39.1 ft	177.2 ft

INDOOR COEFFICIENTS OF UTILIZATION

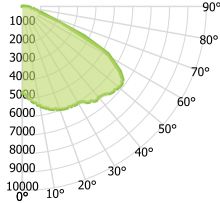
pf	pc	20%																0%				
		80%				70%				50%				30%					10%			
pw		70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	119	116	116	116	116	111	111	111	106	106	106	106	102	102	102	102	100	
1	107	102	97	93	105	100	96	92	96	92	89	92	89	86	88	86	83	81				
2	96	87	80	73	94	85	78	72	82	76	71	78	73	69	75	71	67	65				
3	87	75	66	59	84	73	65	58	70	63	57	68	61	56	65	60	55	53				
4	79	65	56	48	76	64	55	48	61	54	47	59	52	47	57	51	46	44				
5	72	58	48	41	69	56	47	40	54	46	40	52	45	39	50	44	39	37				
6	66	51	42	35	64	50	41	34	48	40	34	47	39	34	45	38	33	31				
7	61	46	37	30	59	45	36	30	44	35	29	42	35	29	41	34	29	27				
8	56	42	32	26	54	41	32	26	39	32	26	38	31	26	37	30	25	23				
9	52	38	29	23	51	37	29	23	36	28	23	35	28	23	34	27	23	21				
10	49	35	26	21	47	34	26	21	33	26	21	32	25	20	31	25	20	18				

OAL-204-LED-10000L-14000L-17000L-21000L-DIM10-MVOLT-30K-40K-50K-T4D-BZ

TEST NO.: **EL11302359**

INPUT WATTS: **140.4** LUMENS: **23068** EFFICACY: **164** BEAM ANGLE: **63** SPACING CRITERIA: **2.00**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	4704	4704
10°	5475	4801
20°	5938	5104
30°	6074	5379
40°	6467	5709
50°	6827	6058
60°	5570	6582
70°	1653	4426
80°	485	554
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	861083	861083
45.00°	1728175	1492814
55.00°	2108857	2026863
65.00°	1469920	2735567
75.00°	548297	1854241
85.00°	621396	399176

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	458
10° - 20°	1439
20° - 30°	2449
30° - 40°	3358
40° - 50°	4061
50° - 60°	4572
60° - 70°	4204
70° - 80°	2167
80° - 90°	361

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	1897	8%
0° - 30°	4346	19%
0° - 40°	7704	33%
0° - 60°	16337	71%
0° - 80°	22708	98%
0° - 90°	23068	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	130.7 fc	11.6 ft	31.1 ft
8.0 ft	73.5 fc	15.5 ft	41.5 ft
10.0 ft	47.0 fc	19.4 ft	51.9 ft
12.0 ft	32.7 fc	23.2 ft	62.3 ft
14.0 ft	24.0 fc	27.1 ft	72.7 ft
16.0 ft	18.4 fc	31.0 ft	83.0 ft
18.0 ft	14.5 fc	34.8 ft	93.4 ft
20.0 ft	11.8 fc	38.7 ft	103.8 ft

INDOOR COEFFICIENTS OF UTILIZATION

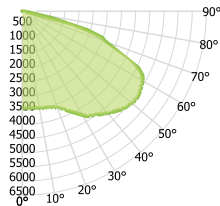
pc	pw	20%																0%	
		80%			70%			50%			30%			10%			0%		
		70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100
1	108	102	97	93	105	100	96	92	96	92	89	92	89	86	88	86	83	81	
2	96	87	80	73	94	85	78	72	82	76	70	78	73	69	75	71	67	65	
3	87	75	66	59	84	73	65	58	70	63	57	67	61	56	65	59	55	53	
4	78	65	55	48	76	64	55	48	61	53	47	59	52	46	56	51	46	43	
5	71	57	47	40	69	56	47	40	54	46	39	52	45	39	50	44	39	36	
6	65	51	41	34	63	50	41	34	48	40	34	46	39	33	45	38	33	31	
7	60	46	36	30	58	45	36	29	43	35	29	42	34	29	40	34	29	27	
8	56	41	32	26	54	41	32	26	39	31	26	38	31	25	37	30	25	23	
9	52	38	29	23	50	37	29	23	36	28	23	35	28	22	34	27	22	20	
10	49	34	26	20	47	34	26	20	33	25	20	32	25	20	31	25	20	18	

OAL-204-LED-10000L-14000L-17000L-21000L-DIM10-MVOLT-30K-40K-50K-T5D-BZ

TEST NO.: **EL11302359**

INPUT WATTS: **140.2** LUMENS: **23566** EFFICACY: **168** BEAM ANGLE: **140** SPACING CRITERIA: **2.00 x 2.00**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	3435	3435
10°	3467	3488
20°	3622	3646
30°	4250	3902
40°	4695	4484
50°	5046	5199
60°	4901	5245
70°	3124	4326
80°	220	205
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	628757	628757
45.00°	1271506	1262877
55.00°	1610634	1698271
65.00°	1906052	2214987
75.00°	1472072	1400360
85.00°	144338	169437

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	333
10° - 20°	1027
20° - 30°	1835
30° - 40°	2820
40° - 50°	3879
50° - 60°	4839
60° - 70°	5210
70° - 80°	3350
80° - 90°	274

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	1360	6%
0° - 30°	3195	14%
0° - 40°	6015	26%
0° - 60°	14732	63%
0° - 80°	23292	99%
0° - 90°	23566	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	95.4 fc	33.2 ft	36.5 ft
8.0 ft	53.7 fc	44.2 ft	48.7 ft
10.0 ft	34.3 fc	55.3 ft	60.9 ft
12.0 ft	23.9 fc	66.3 ft	73.1 ft
14.0 ft	17.5 fc	77.4 ft	85.2 ft
16.0 ft	13.4 fc	88.4 ft	97.4 ft
18.0 ft	10.6 fc	99.5 ft	109.6 ft
20.0 ft	8.6 fc	110.5 ft	121.8 ft

INDOOR COEFFICIENTS OF UTILIZATION

pc	pw	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	102	100
1	106	101	95	91	103	98	93	89	94	90	86	90	87	84	86	84	81	79	
2	94	84	76	69	91	82	74	68	78	72	66	75	69	65	72	67	63	61	
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	61	55	50	47	
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38	
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	33	31	
6	62	47	37	29	60	46	36	29	44	35	29	42	34	28	40	33	28	26	
7	57	42	32	25	55	41	31	25	39	31	24	38	30	24	36	29	24	22	
8	53	38	28	21	51	37	28	21	35	27	21	34	26	21	33	26	21	19	
9	49	34	25	19	47	33	25	19	32	24	18	31	24	18	30	23	18	16	
10	46	31	22	17	44	31	22	16	29	22	16	28	21	16	28	21	16	14	