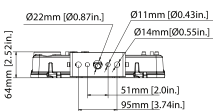
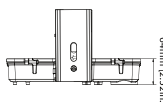
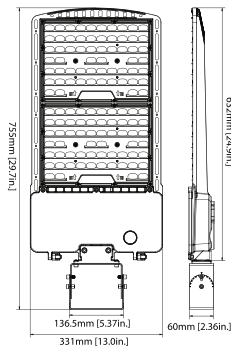
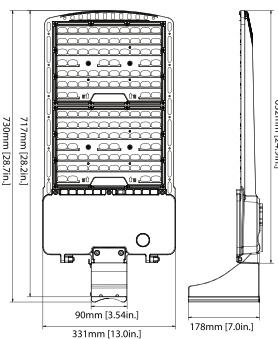
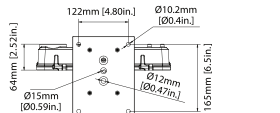
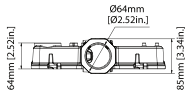
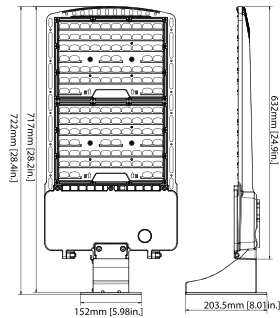
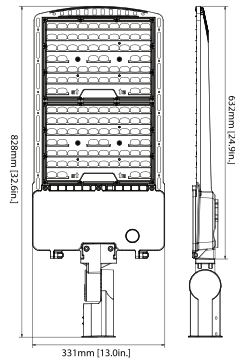




## MOUNTING OPTIONS



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



## FEATURES

OAL-304-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	20000L/28000L/36000/42000
CCT	30K/40K/50K
CRI	80+
VOLTAGE	120-277 VAC
MOUNTING	Arm, Slipfitter, Wall, Trunnion, Pole
DISTRIBUTION	Type II, Type III, Type IV, Type V
EMERGENCY	0-EMG-8W
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

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
42000	42000	300W
36000	36000	240W
28000	28000	180W
20000	20000	120W

Based on 4000K, 85+ CRI. Actual wattage may vary +/-5%



#### 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

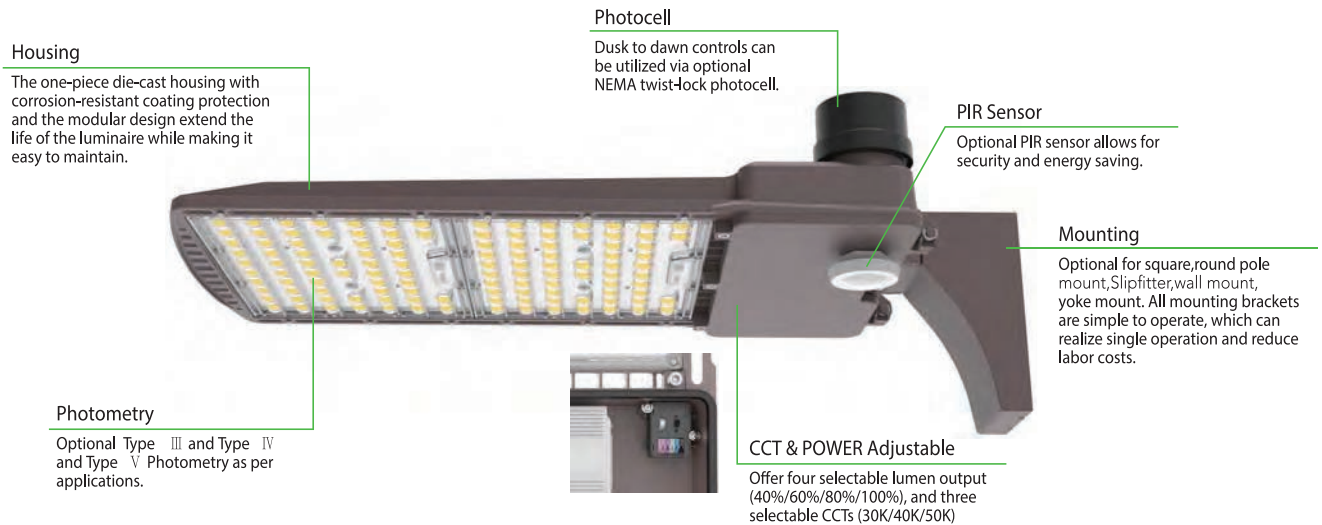
- Universal 120-277 VAC or 347-480 VAC input voltage
- Standard with 0-10V dimming driver
- Power adjustable: 100%, 80%, 60%, 40%.
- THD: ≤20%
- Power Factor: ≥90%

#### WARRANTY

Five-year warranty for parts and components

#### LISTINGS

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



Example: **OAL-304-LED-20000L/28000L/36000L/42000L-DIM10-MVOLT-30K/40K/50K-T3D-BZ-PM**

SERIES	PERFORMANCE	DIMMING	VOLTAGE	CCT	DISTRIBUTION	ACCESSORIES	MOUNTING	FINISH
OAL-304-LED	20000L/28000L/36000L/42000L	DIM10 0-10V Dimming	MVOLT - 120-277V	30K/40K/50K	T3D - Type III Standard T4D- Type IV T5D-Type V Included in box	PHC - Photocell MS - Motion Sensor SP- 10K Surge Protection T2D- Type II	OAL-304-ACC-PM OAL-304-ACC-PM-ADJ OAL-304-ACC-WM OAL-304-ACC-YM OAL-304-ACC-SFM  PM- Pole Mount WM- Wall Mount SFM- Slipfitter Mount AM- Arm Mount TRM- Trunnion Mount	BZ- Bronze BK- Black WH- White

OAL-304-LED									
SETTING	SYSTEM WATTS	DIST. TYPE	CRI	3000K		4000K		5000K	
				LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	300 W	3	70	41000 lm	137 lm/W	45000lm	150 lm/W	42000 lm	140 lm/W
80%	240 W	3	70	35000 lm	146 lm/W	38500lm	160 lm/W	36000 lm	150 lm/W
60%	180 W	3	70	28000 lm	156 lm/W	30000lm	167 lm/W	28500 lm	158 lm/W
40%	120 W	3	70	19200 lm	160 lm/W	21500lm	179 lm/W	20000 lm	167 lm/W

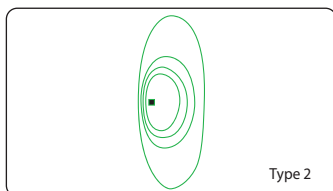
#### BUG RATING

SYSTEM WATTS	DIST. TYPE	B	U	G
300W	2	5	0	4
	3	4	0	4
	4	4	0	4
	5	5	0	4

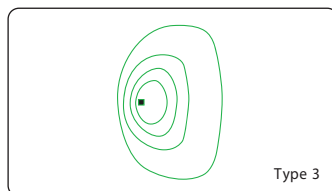
#### EPA OF AREA LIGHT

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
250W/300W/400W	0.4758	0.8091	1.059	0.9516	1.2849	1.3923	1.2849

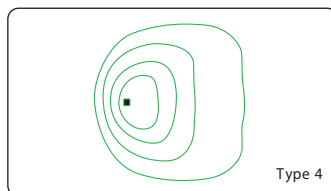
#### PHOTOMETRICS



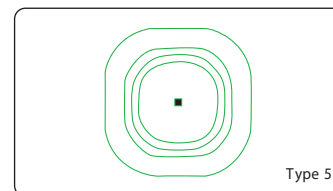
Type 2 optics are well-suited for scenarios requiring luminaires to be spaced at greater distances along a road or pathway. The light distribution pattern is designed for elongated areas, enabling increased pole spacing without compromising lighting quality.



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.



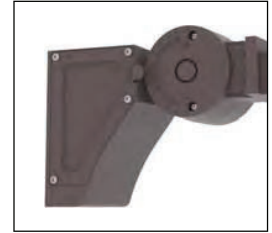
#### Wall Mount

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



#### Yoke Mount

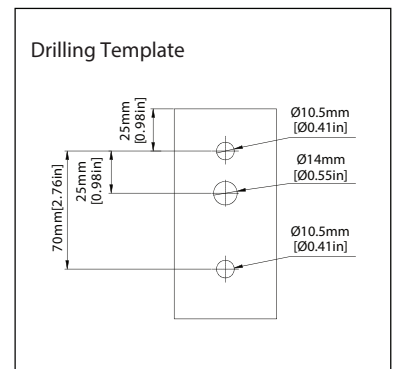
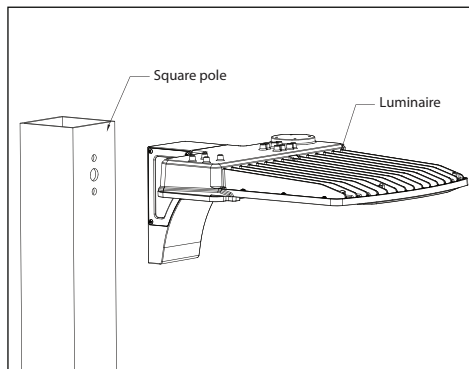
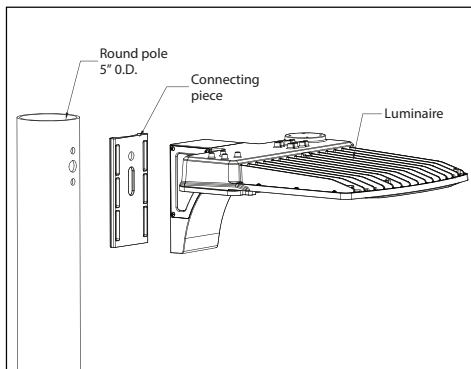
Die-cast aluminum trunnion is easily adapted to many surfaces and allows easy fixture aiming angles.



#### 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)

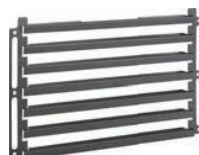
OAL series features a backlight control which provides reduced pixilation and increased visual comfort without compromising performance.  
External Glare Shield: sold separately or as an accessory.



OAL-304-ACC-GLARE SHIELD  
EXTERNAL GLARE SHIELD



OAL - 304-ACC-GLARE  
FULL VISOR External Glare Full Visor



Back Light Control Shield  
OAL-304-ACC-BLCS  
need 2 pcs

## 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. 4SQ-SP-D 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. 4RQ-SP-D 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. 5SQ-SP-D 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. 5RQ-SP-D 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 - Angle-Adjustment Adapter No. 5QA-ALDA Finish: Dark Bronze USE: Durable brackets are engineered to provide versatile mounting options. These arms are made from rugged die-cast aluminum. They allow optimal positioning of the light fixture to maximize the lighting effectiveness vertically and horizontally.</p>		<p>Pole Bracket accessories - Tenon &amp; Yoke Adaptor No. 5P-TR-D 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 Elite Flood Light Series of light fixtures.</p>
	<p>Horizontal Wall or Square or Round pole mount with 2-3/8" Tenon Bracket No. 5Q/R-SP-D Finish: Dark Bronze USE: This tenon bracket can be installed onto a wall, square pole, round pole. Provides wiring access and abuilt-in 2-3/8" O.D. tenon to mount a fixture with our adjustable slipfitter. Suggested 3/8" diameter bolts for mounting.</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. WM-SP-D 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 abuilt-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. SQ-SP-D Finish: Dark Bronze USE: 2-3/8" OD Horizontal Tenon Mid-Pole Bracket is designed to mount light fixture that is equipped with a 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. R60-SP2-90-D 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. R60-SP3-120-D 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. R60-SP2-180-D 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. R60-SP4-90-D 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. R60-SP3-90-D 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-304-LED-20000L-28000L-36000L-42000L-DIM10-MVOLT-30K-40K-50K-T2D-BZ**

TEST NO.: **EL11302360**

INPUT WATTS: **294.3**

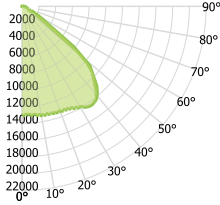
LUMENS: **48501**

EFFICACY: **165**

BEAM ANGLE: **66**

SPACING CRITERIA: **1.63**

**CANDELA DISTRIBUTION**



**CANDELA TABLE**

	0°	90°
0°	12977	12977
10°	13200	13424
20°	13345	14450
30°	13924	15246
40°	13871	15923
50°	9687	16627
60°	2048	17728
70°	660	12199
80°	350	3785
90°	0	0

**LUMINANCE (cd/sq.m)**

	0.00°	90.00°
0.00°	1216731	1216731
45.00°	1629421	2157794
55.00°	762963	2801121
65.00°	204356	3621923
75.00°	176451	3729819
85.00°	224950	618823

**LUMENS PER ZONE**

ZONE	LUMENS
0° - 10°	1243
10° - 20°	3702
20° - 30°	6111
30° - 40°	8282
40° - 50°	9612
50° - 60°	9387
60° - 70°	6853
70° - 80°	2832
80° - 90°	479

**ZONAL LUMEN SUMMARY**

ZONE	UMENS	% LUMINAIRE
0° - 20°	4946	10%
0° - 30°	11056	23%
0° - 40°	19339	40%
0° - 60°	38337	79%
0° - 80°	48022	99%
0° - 90°	48501	100%

**CONE OF LIGHT**

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	360.5 fc	8.7 ft	42.0 ft
8.0 ft	202.8 fc	11.6 ft	56.0 ft
10.0 ft	129.8 fc	14.6 ft	70.0 ft
12.0 ft	90.1 fc	17.5 ft	84.0 ft
14.0 ft	66.2 fc	20.4 ft	98.0 ft
16.0 ft	50.7 fc	23.3 ft	112.0 ft
18.0 ft	40.1 fc	26.2 ft	126.0 ft
20.0 ft	32.4 fc	29.1 ft	140.0 ft

**INDOOR COEFFICIENTS OF UTILIZATION**

pf	20%																		0%
pc	80%																		0%
pw	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	109	104	100	96	106	102	98	94	98	94	91	94	91	89	90	88	86	84	
2	99	90	83	77	96	88	82	77	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	48	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	35	30	43	35	29	41	34	29	40	34	29	27	
9	55	41	32	26	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	23	34	28	23	22	

**OAL-304-LED-20000L-28000L-36000L-42000L-DIM10-MVOLT-30K-40K-50K-T3D-BZ**

TEST NO.: **EL11302360**

INPUT WATTS: **295.2**

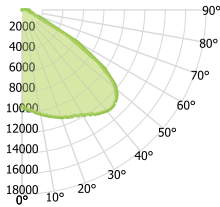
LUMENS: **44812**

EFFICACY: **152**

BEAM ANGLE: **80**

SPACING CRITERIA: **1.93**

**CANDELA DISTRIBUTION**



**CANDELA TABLE**

	0°	90°
0°	9469	9469
10°	10304	9611
20°	11152	10222
30°	11868	11052
40°	12849	11721
50°	12004	12293
60°	6008	14051
70°	1283	12534
80°	625	4241
90°	0	0

**LUMINANCE (cd/sq.m)**

	0.00°	90.00°
0.00°	887856	887856
45.00°	1696460	1568860
55.00°	1565319	2130595
65.00°	612328	3253213
75.00°	297144	3297346
85.00°	737526	882781

**LUMENS PER ZONE**

ZONE	LUMENS
0° - 10°	912
10° - 20°	2793
20° - 30°	4804
30° - 40°	6725
40° - 50°	8123
50° - 60°	8693
60° - 70°	7604
70° - 80°	4320
80° - 90°	839

**ZONAL LUMEN SUMMARY**

ZONE	UMENS	% LUMINAIRE
0° - 20°	3705	8%
0° - 30°	8509	19%
0° - 40°	15234	34%
0° - 60°	32049	72%
0° - 80°	43973	98%
0° - 90°	44812	100%

**CONE OF LIGHT**

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	263.0 fc	11.7 ft	53.2 ft
8.0 ft	148.0 fc	15.7 ft	70.9 ft
10.0 ft	94.7 fc	19.6 ft	88.6 ft
12.0 ft	65.8 fc	23.5 ft	106.3 ft
14.0 ft	48.3 fc	27.4 ft	124.0 ft
16.0 ft	37.0 fc	31.3 ft	141.8 ft
18.0 ft	29.2 fc	35.2 ft	159.5 ft
20.0 ft	23.7 fc	39.1 ft	177.2 ft

**INDOOR COEFFICIENTS OF UTILIZATION**

pf	20%																		0%		
pc	80%																		0%		
pw	70%				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	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-304-LED-20000L-28000L-36000L-42000L-DIM10-MVOLT-30K-40K-50K-T4D-BZ**

TEST NO.: **EL11302360**

INPUT WATTS: **300.1**

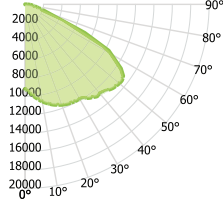
LUMENS: **45098**

EFFICACY: **150**

BEAM ANGLE: **63**

SPACING CRITERIA: **2.00**

**CANDELA DISTRIBUTION**



**CANDELA TABLE**

	0°	90°
0°	9196	9196
10°	10704	9386
20°	11609	9979
30°	11875	10516
40°	12643	11161
50°	13347	11842
60°	10890	12868
70°	3231	8653
80°	948	1083
90°	0	0

**LUMINANCE (cd/sq.m)**

	0.00°	90.00°
0°	0.00°	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°	896
10° - 20°	2812
20° - 30°	4787
30° - 40°	6565
40° - 50°	7939
50° - 60°	8938
60° - 70°	8219
70° - 80°	4236
80° - 90°	705

**ZONAL LUMEN SUMMARY**

ZONE	UMENS	% LUMINAIRE
0° - 20°	3709	8%
0° - 30°	8496	19%
0° - 40°	15061	33%
0° - 60°	31938	71%
0° - 80°	44393	98%
0° - 90°	45098	100%

**CONE OF LIGHT**

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	255.4 fc	11.6 ft	31.1 ft
8.0 ft	143.7 fc	15.5 ft	41.5 ft
10.0 ft	92.0 fc	19.4 ft	51.9 ft
12.0 ft	63.9 fc	23.2 ft	62.3 ft
14.0 ft	46.9 fc	27.1 ft	72.7 ft
16.0 ft	35.9 fc	31.0 ft	83.0 ft
18.0 ft	28.4 fc	34.8 ft	93.4 ft
20.0 ft	23.0 fc	38.7 ft	103.8 ft

**INDOOR COEFFICIENTS OF UTILIZATION**

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

**OAL-304-LED-20000L-28000L-36000L-42000L-DIM10-MVOLT-30K-40K-50K-T5D-BZ**

TEST NO.: **EL11302360**

INPUT WATTS: **298.8**

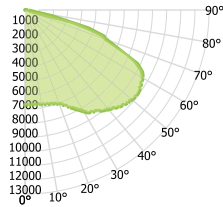
LUMENS: **46013**

EFFICACY: **154**

BEAM ANGLE: **140**

SPACING CRITERIA: **2.00 x 2.00**

**CANDELA DISTRIBUTION**



**CANDELA TABLE**

	0°	90°
0°	6706	6706
10°	6770	6810
20°	7072	7119
30°	8298	7618
40°	9167	8756
50°	9853	10151
60°	9569	10240
70°	6099	8446
80°	430	399
90°	0	0

**LUMINANCE (cd/sq.m)**

	0.00°	90.00°
0°	0.00°	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°	650
10° - 20°	2006
20° - 30°	3583
30° - 40°	5506
40° - 50°	7573
50° - 60°	9448
60° - 70°	10173
70° - 80°	6540
80° - 90°	535

**ZONAL LUMEN SUMMARY**

ZONE	UMENS	% LUMINAIRE
0° - 20°	2656	6%
0° - 30°	6238	14%
0° - 40°	11744	26%
0° - 60°	28765	63%
0° - 80°	45478	99%
0° - 90°	46013	100%

**CONE OF LIGHT**

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	186.3 fc	33.2 ft	36.5 ft
8.0 ft	104.8 fc	44.2 ft	48.7 ft
10.0 ft	67.1 fc	55.3 ft	60.9 ft
12.0 ft	46.6 fc	66.3 ft	73.1 ft
14.0 ft	34.2 fc	77.4 ft	85.2 ft
16.0 ft	26.2 fc	88.4 ft	97.4 ft
18.0 ft	20.7 fc	99.5 ft	109.6 ft
20.0 ft	16.8 fc	110.5 ft	121.8 ft

**INDOOR COEFFICIENTS OF UTILIZATION**

pf	pc	pw	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	0%
1	106	101	95	91	103	98	93	89	94	90	86	90	87	84	86	84	81	79	79	0%
2	94	84	76	69	91	82	74	68	78	72	66	75	69	65	72	67	63	61	61	0%
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	61	55	50	47	47	0%
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38	38	0%
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	33	31	31	0%
6	62	47	37	29	60	46	36	29	44	35	29	42	34	28	40	33	28	26	26	0%
7	57	42	32	25	55	41	31	25	39	31	24	38	30	24	36	29	24	22	22	0%
8	53	38	28	21	51	37	28	21	35	27	21	34	26	21	33	26	21	19	19	0%
9	49	34	25	19	47	33	25	19	32	24	18	31	24	18	30	23	18	16	16	0%
10	46	31	22	17	44	31	22	16	29	22	16	28	21	16	28	21	16	14	14	0%