

OAL-101-LED

LED Small Area Light

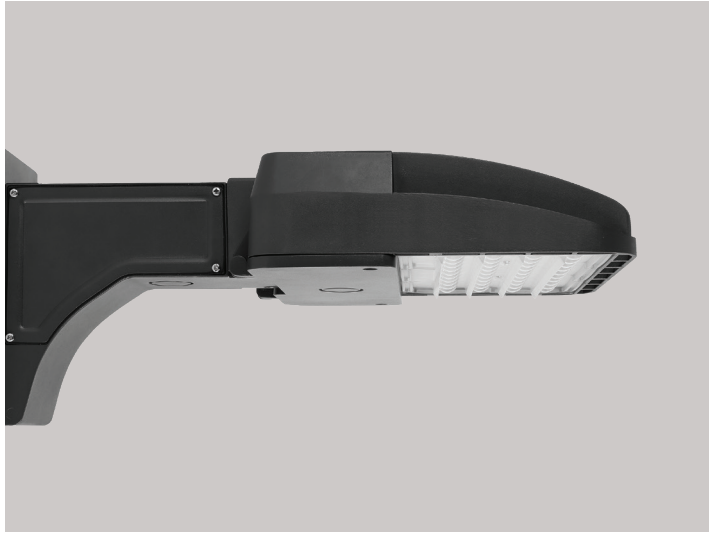
up to 105 Wattage / up to 13500 Lumens

Catalog Number:

Project Name:

Note:

Type:



APPLICATIONS:

The Oracle LED Small Area Light is designed with wide spread distribution for even illumination of parking lots, walkways, hardscapes, roadways, and public spaces. The optimal fixture where low mounting heights are required either on a building wall or pole mounted.

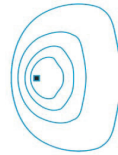
FEATURES:

- The one piece die-cast aluminum housing with UV resistant polycarbonate optical lens, outstanding corrosion protection.
- LED Driver options: MVOLT 120-277V / 347V / 480V
- Suitable for mounting heights ranging from 8'-20' in area lighting applications
- Lumen output from 9000-13400lm with efficacy up to 130lm/W
- Mounting Options: square pole, round pole, wall mount, and slipfitter
- Fixtures are IP66 rated and suitable for use in ambients from -40°C to 45°C (-40°F to 113°F)
- Optical Distribution Options: Type III & Type V
- UL Wet location listed

SPECIFICATIONS:

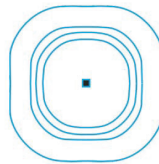
LUMENS	9000 / 13500 lumens
WATTAGE	70W / 105W
CCT	40K, 50K
CRI	70
LIGHT EFFICIENCY	130 lumens/watt
VOLTAGE	120-277 VAC / 347V / 480V
POWER FREQUENCY	50/60 Hz
FINISH	Bronze
APPLICABLE ENVIRONMENT	Dry/Damp/Wet location
WORKING TEMPERATURE	-40°C to 45°C

DISTRIBUTION:



Type III

Type 3 optics produce an asymmetrical pattern that directs the majority of the light forward and equally on both sides of the luminaire.



Type V

Type 5 optics produce a symmetrical square pattern that distributes light equally on all sides of the luminaire.



Ordering Guide > Example: **OAL-101-LED-13500L-DIM10-MVOLT-40K-T3D-BZ-PHC-OAL-101-ACC-PM**

OAL-101-LED								
SERIES	PERFORMANCE	DIMMING	VOLTAGE	CCT	DISTRIBUTION	FINISH	ACCESSORIES	MOUNTING
OAL-101-LED	9000L - 9000 lumens 13500L - 13500 lumens	DIM10 - 0-10V Dimming	MVOLT - 120-277V 347V - 347V 480V - 480V	40K - 4000K 50K - 5000K	T3D - Type III T5D - Type V	BZ - Bronze BK - Black WH - White SI - Silver	PHC - Photocell MS - Motion Sensor	OAL-101/201/301-ACC-PM - Pole mount OAL-101/201/301-ACC-WM - Wall mount OAL-101/201/301-ACC-SFM - Slipfitter mount

* For more lumen package option, consult factory

* Support 0-10V dimming, consult factory

* Other colors, consult factory

* For more mounting options, please see additional mounting accessories page



Submittal form is available @ www.oraclelighting.com
Tel: 323-888-1973 • Fax: 323-888-1977

Specifications and Dimensions
subject to change without notice.

Issued-B1118-Rev. 1

OAL-101-LED

LED Small Area Light

up to 105 Wattage / up to 13400 Lumens

Catalog Number:

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Note:

Type:

MOUNTING:



OAL-101/201/301-ACC-PM
Pole Mount

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



OAL-101/201/301-ACC-WM
Wall Mount

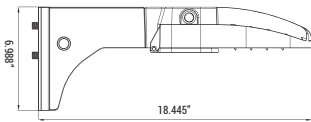
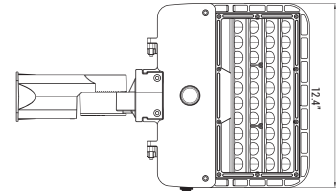
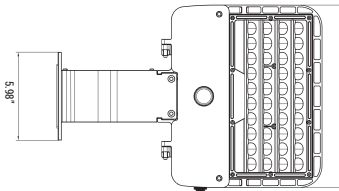
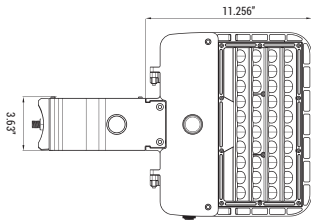
Wall Mount is easy to install for direct wall mounting with 1/2" conduit wiring or standard J-box mounting.



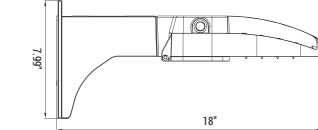
OAL-101/201/301-ACC-SFM
Slipfitter Mount

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

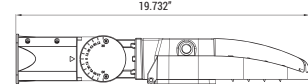
DIMENSION:



Weight:
11.8 lb (70W)
11.98 lb (105W)

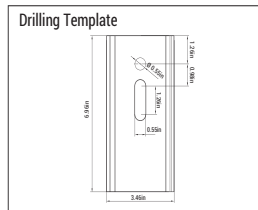
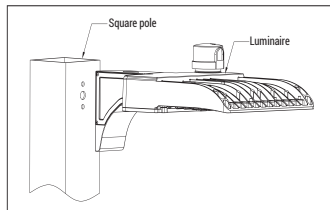
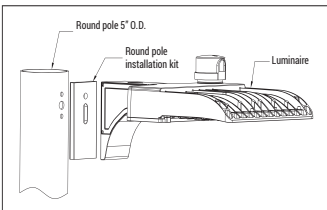


Weight:
13.45 lb (70W)
13.84 lb (105W)



Weight:
11 lb (70W)
11.40 lb (105W)

MOUNTING DIMENSION:



INSTALLATION KIT:



Round Pole Installation Kit

Standard versatile mounting arm for area light application, with K/O to install photocell or sensor. Furnished with two 5/16" hex head stainless-steel bolts and two 1/2" hex head stainless-steel screw. Suitable for 4" and 5" round poles.

ACCESSORIES:



PHC - Photocell



MS - Motion Sensor

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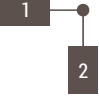
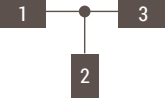
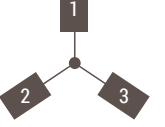
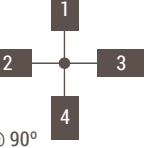
Catalog Number:

Project Name:

Note:

Type:

EPA OF AREA LIGHT:

Item							
		@ 90°	@ 120°	@ 180°	@ 90°	@ 120°	@ 90°
70W 105W	0.625	0.705	0.971	0.981	0.982	0.975	0.982

PERFORMANCE DATA:

		4000K (70CRI)					5000K (70CRI)				
WATTS	TYPE	LUMENS	LPW	B	U	G	LUMENS	LPW	B	U	G
70W	Type 3	9000lm	129 lm/w	2	3	2	9000lm	129 lm/w	2	3	2
	Type 5	9500lm	136 lm/w	3	3	1	9500lm	136 lm/w	3	3	1

		4000K (70CRI)					5000K (70CRI)				
WATTS	TYPE	LUMENS	LPW	B	U	G	LUMENS	LPW	B	U	G
105W	Type 3	13400lm	128 lm/w	3	2	2	13400lm	128 lm/w	3	2	2
	Type 5	13400lm	128 lm/w	3	2	1	13400lm	128 lm/w	3	2	1

ELECTRICAL DATA:

NUMBER OF DRIVERS	DRIVER CURRENT (Amps)	Nominal Power (W)	Input Voltage (V)	Current (Amps)
1	1750	70	120	0.58
		70	208	0.34
		70	240	0.29
		70	277	0.25
		75	347	0.22
		75	480	0.16
1	2600	105	120	0.88
		105	208	0.50
		105	240	0.44
		105	277	0.38
		110	347	0.32
		110	480	0.23

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POLE BRACKET (For mounting one fixture on an existing pole)



PART no: OAL-ACC-4-SQPM
4" Square Pole Mount with 2-3/8" O.D. Tenon

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.



PART no: OAL-ACC-5-SQPM
5" Square Pole Mount with 2-3/8" O.D. Tenon

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.



PART no: OAL-ACC-4-RQPM
4" Round Pole Mount with 2-3/8" O.D. Tenon

For use with round, non-tapered steel and aluminum poles. Furnished with four 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.



PART no: OAL-ACC-5-RQPM
5" Round Pole Mount with 2-3/8" O.D. Tenon

For use with round, non-tapered steel and aluminum poles. Furnished with four 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.



PART no: OAL-ACC-TMA
2-3/8" O.D. Tenon Mount Adapter for Yoke Fixtures

The 2-3/8" OD Tenon Mount Adapter for Yoke Fixture is designed to mount light fixtures that are equipped with a yoke mount onto a 2-3/8" OD tenon.

ROUND EXTERNAL MOUNT HORIZONTAL TENON (To mount 2-3/4 fixtures on a existing pole)



PART no: OAL-ACC-2-90-HOR-TA
Double 90° Horizontal Tenon Adapter

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.



PART no: OAL-ACC-2-180-HOR-TA
Double 180° Horizontal Tenon Adapter

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.



PART no: OAL-ACC-3-90-HOR-TA
Triple 90° Horizontal Tenon Adapter

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.



PART no: OAL-ACC-3-120-HOR-TA
Triple 120° Horizontal Tenon Adapter

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.



PART no: OAL-ACC-4-90-HOR-TA
Quad 90° Horizontal Tenon Adapter

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.

WALL BRACKET



PART no: OAL-ACC-90-WMB
90° Wall Mount Bracket with 2-3/8" O.D. Tenon

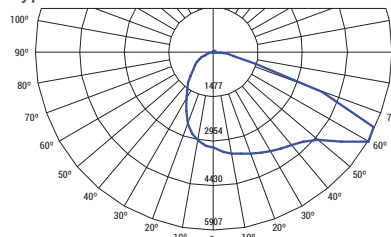
The 90° wall mount bracket with 2-3/8" tenon attaches a floodlight to almost any surface: wall, roof, or wood pole. Provides wiring access and a built-in 2-3/8" O.D. tenon to mount a fixture with our adjustable slipfitter. Suggested 3/8" diameter bolts for mounting. Mounting holes are spaced 3-1/4" apart.



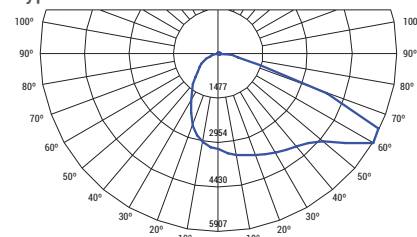
PART no: OAL-ACC-HOR-TMB
2-3/8" OD Horizontal Tenon Mid-Pole Bracket

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.

Type III



Type V



OAL-101-LED-9000L-DIM10-MVOLT-40K-T3D-BZ

TEST NO.: **EL092619168**

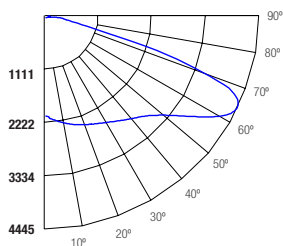
INPUT WATTS: **69.6**

LUMENS: **8558**

CRI: **N/A**

EFFICACY: **123**

CCT: **4000K**

SPACING CRITERIA: **1.56**
Candle Power Distribution (Candelas)

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	830.72	9.7	9.7
0-30	1792.4	20.9	20.9
0-40	3043.85	35.6	35.6
0-60	6219.52	72.7	72.7
0-80	8269.98	96.6	96.6
0-90	8450.09	98.7	98.7

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	30757	39699	48275
55	31254	59222	58327
65	27367	103988	42081
75	15088	45400	19254
85	8900	31753	37680

Lumens Per Zone

Zone	Lumens
0-10	212.52
10-20	618.2
20-30	961.68
30-40	1251.45
40-50	1489.15
50-60	1686.52
60-70	1497.91
70-80	552.54
80-90	180.11

Candela Tabulation

0	
0	2231.264
5	2230.84
15	2220.7
25	2229.46
35	2201.1
45	2022.41
55	1666.97
65	1075.51
75	363.14
85	72.13
90	15.21

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

	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%			
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	99			
	1	108	103	98	94	105	100	96	92	96	92	89	91	89	86	88	85	83	81			
	2	97	88	81	75	94	86	79	74	82	77	72	79	74	70	75	72	68	66			
	3	88	76	67	61	85	75	66	60	71	64	59	68	62	57	66	61	56	54			
	4	80	67	57	50	77	65	56	50	62	55	49	60	53	48	58	52	47	45			
	5	73	59	49	42	70	58	49	42	55	47	41	53	46	41	51	45	40	38			
	6	67	52	43	36	65	51	42	36	49	41	35	48	40	35	46	39	35	32			
	7	61	47	38	31	60	46	37	31	45	37	31	43	36	31	41	35	30	28			
	8	57	43	34	28	55	42	33	27	40	33	27	39	32	27	38	31	27	25			
	9	53	39	30	25	52	38	30	24	37	29	24	36	29	24	35	28	24	22			
10	50	36	28	22	48	35	27	22	34	27	22	33	26	22	32	26	21	20				

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

OAL-101-LED-13500L-DIM10-MVOLT-40K-T3D-BZ

TEST NO.: **EL0118194**

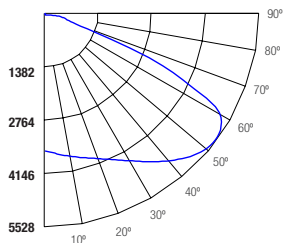
INPUT WATTS: **103.4**

LUMENS: **13278**

CRI: **N/A**

EFFICACY: **128**

CCT: **4000K**

SPACING CRITERIA: **1.62**
Candle Power Distribution (Candelas)

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	1309.43	9.9	9.9
0-30	2822.5	21.3	21.3
0-40	4834.94	36.4	36.4
0-60	10024.28	75.5	75.5
0-80	12908.8	97.2	97.2
0-90	13135.26	98.9	98.9

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	30757	39699	48275
55	31254	59222	58327
65	27367	103988	42081
75	15088	45400	19254
85	8900	31753	37680

Lumens Per Zone

Zone	Lumens
0-10	336.91
10-20	972.52
20-30	1513.07
30-40	2012.44
40-50	2451.24
50-60	2738.1
60-70	2173.97
70-80	710.54
80-90	226.47

Candela Tabulation

0	
0	3534.979
5	3648.49
15	3957.5
25	4421.32
35	4993.22
45	5286.99
55	4766.65
65	2206.26
75	704.91
85	391.26
90	151.18

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

	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%			
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99			
	1	108	103	99	95	105	101	97	93	96	93	90	92	90	87	88	86	84	82			
	2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	69	67			
	3	88	77	69	62	86	76	68	61	72	65	60	69	64	59	67	62	57	55			
	4	80	68	58	51	78	66	57	51	63	56	50	61	54	49	59	53	48	46			
	5	73	60	50	43	71	58	50	43	56	48	42	54	47	42	52	46	41	39			
	6	67	53	44	37	65	52	43	37	50	42	36	48	41	36	47	40	35	33			
	7	62	48	39	32	60	47	38	32	45	37	32	44	37	31	42	36	31	29			
	8	57	43	34	28	56	42	34	28	41	33	28	40	33	28	38	32	27	25			
	9	53	39	31	25	52	39	31	25	38	30	25	36	29	25	35	29	24	22			
10	50	36	28	23	49	36	28	22	35	27	22	34	27	22	33	26	22	20				

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance