

ODEN ROADWAY LED Specifications



Project Name:

Catalog Number:

Type:

With six interchangeable caps and spun shade styles, the **Oden - LED Roadway** offers architects, designers and engineers endless possibilities for a custom fixture to fit their unique application.

The **Oden - LED Roadway Array**'s high-quality, durable construction makes it an ideal fixture for any application.

Ordering Information

MODEL	OPTICS	LEDs	CURRENT	KELVIN	VOLTAGE	MOUNTING	FINISH	CAP/SHADE	OPTIONS
ODN-1-L	T1 Type 1	16LC	3 350mA	3K 3000K	UNV *120-277V	MAP-01 Mast Arm Fitter *Designed to slip over 2-3/8" O.D. mast arm.	BZ Bronze	C1	PC-120 Button Type Photocell
	T2 Type 2	32LC	5 530mA	4K 4000K	8 347V		BK Black	C2	PC-208 Button Type Photocell
	T3 Type 3	48LC	7 700mA	5K 5000K	5 480V		SBK Smooth Black	C3	PC-240 Button Type Photocell
ODN-2-L	T4 Type 4	48LC				MAP-02 Mast Arm Fitter *Designed to slip over 2-3/8" O.D. mast arm. Includes provision only for twist lock receptacle. Receptacle and shorting cap, to be ordered separately under options.	WH White	C4	PCR-120 Button Type Photocell
	T5 Type 5	64LC					SWH Smooth White	C5	PCR-208 Button Type Photocell
	T5W Type 5 Wide	80LC						C6	PCR-240 Button Type Photocell
ODN-3-L		96LC				YM Yoke Mount *Slips over 3" ØD tenon x 4" tall with special threaded mounting plate.	GP Graphite		PCR-277 Button Type Photocell
		128LC				AM Arm Mount Size 1	GY Grey	H1	PCR-480 Button Type Photocell
						AML Arm Mount Large Size 2 & 3 See decorative arm section for arm & wall mount options.	SL Silver Metallic	H2	PER 3 Pin Photo Receptacle w/shorting cap
							CC Custom Color	H3	5PINPER 5 Pin Photo Receptacle w/shorting cap Requires Dimming Driver
								H4	7PINPER 7 Pin Photo Receptacle w/shorting cap Requires Dimming Driver
								H5	WSC-8 Motion Sensor 8" Mounting Height
								H6	WSC-20 Motion Sensor 9-20" Mounting Height
									WSC-40 Motion Sensor 21-40" Mounting Height This option will require (1)FSR 100 remote for programming
									DIM 0-10v Dimming Driver
									VWC Visionaire Wireless Controls *Consult Factory
									IR-R Illuminated Rings Red
									IR-B Illuminated Rings Blue
									IR-G Illuminated Rings Green
									CLS Cutoff Louver Shield

Features & Specifications

ODEN ROADWAY

Housing

- High-quality, one-piece spun aluminum shade and durable cast aluminum top cap; available in three housing sizes.
- All external hardware is stainless steel.
- One-piece spun aluminum removable door assembly.

Thermal Management

- The Oden - LED provides excellent overall thermal management by maximizing the efficiency of the heat sink in the fixture. This enables the Oden - LED to withstand higher ambient temperatures and higher drive currents without degrading LED life.

Optical System

- The highest lumen output LEDs are utilized. Estimated life of the LEDs is 100,000+ hours. Available with 6 IES distribution patterns. Available with up to 96 LED. The optical system qualifies as IES full cutoff restrict light trespass, glare and light pollution for neighborhood-friendly lighting.
- CRI values are 70

Quali-Guard® Finish

- Fixture components are chemically pretreated through a multiple-stage washer and finished with an electrostatically-applied, thermoset polyester powder coat textured paint with a 3 to 5 mils thickness. Finish is oven-baked at 400 °F for maximum adherence and finish hardness.
- Available in standard and custom colors.

Mounting

- The Oden - LED mounts to a wide selection of decorative and custom Visionaire mounting arms. Visionaire decorative mounting arm required. See Visionaire Mounting Arms section of catalog.
- Oden - Roadway can replace existing cobra head fixtures with a MAP-02 Mast Arm Fitter.

Electrical Assembly

- The Oden - LED is supplied with a high-performance LED driver, located in its cap, that accepts 120 V thru 277 V, and 480 V, 50 Hz to 60 Hz input. Power factor is 90%.
- Rated for -40 of operation.
- 10 kV surge protector supplied as standard.

Warranty

- Five (5) year Limited Warranty on entire system, including finish. For full warranty information, please visit www.visionairelighting.com.

Options

- Button type photocell
- Watt Stopper FSP-211
- 0-10 V dimming driver
- Wireless Controls
- Illuminated Rings
- Cutoff louver system

Listings

- Oden is cUL listed, suitable for wet locations.
- IP65 Rated
- DLC Listed
- IDA Certification
- LM79
- LM80
- Powder Coated Tough™



DesignLights Consortium (DLC) qualified Product. Some configurations of this product family may not be DesignLights Consortium (DLC) listed, please refer to the DLC qualified products list to confirm listed configurations. <http://www.designlights.org/>
3000K must be selected for IDA certification.

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Photometric Optical Summary

Not all optics are available on all fixtures. Check ordering chart for availability



EPA Data

Fixture	Fixture Only	Fixture with VA110-S1	2 Fixtures with VA110-D2	Fixture with VA107-S1	2 Fixtures with VA107-D2
ODN-1	1.2	2.2	4.1	3.5	5.6
ODN-2	2.6	3.6	6.6	4.9	8.3
ODN-3	3.5	4.5	8.6	5.8	9.8

Dimensions

Size 1

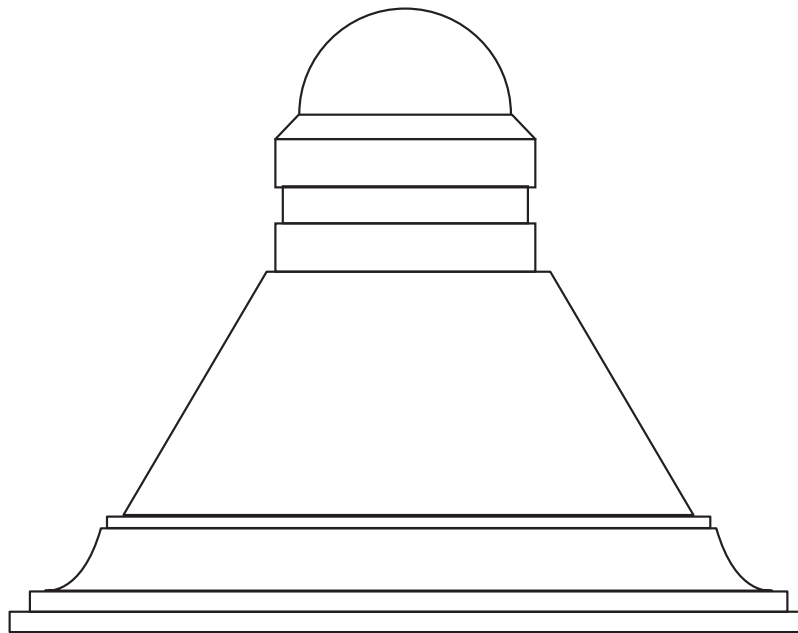
Width:	ODN-1 20"
Height:	ODN-1 17.5"
Weight:	40 LBS

Size 2

Width:	ODN-2 25"
Height:	ODN-2 22.5"
Weight:	53 LBS

Size 3

Width:	ODN-3 30"
Height:	ODN-3 24"
Weight:	74 LBS



CAP 1 (C1)

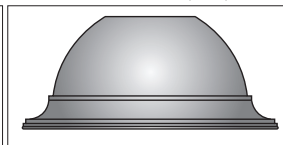
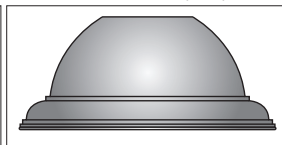
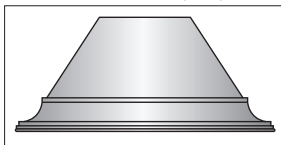
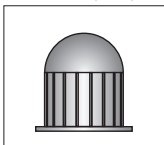
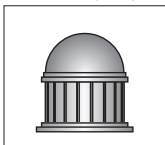
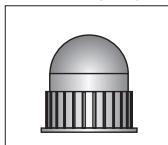
CAP 2 (C2)

CAP 3 (C3)

HOUSING 1 (H1)

HOUSING 2 (H2)

HOUSING 3 (H3)



CAP 4 (C4)

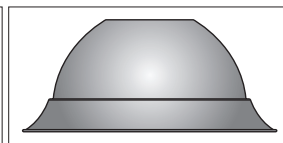
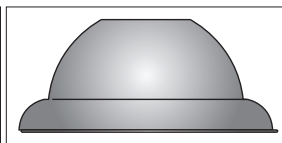
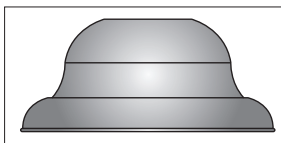
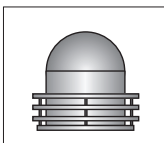
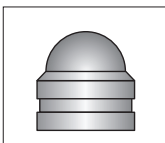
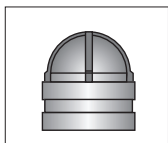
CAP 5 (C5)

CAP 6 (C6)

HOUSING 4 (H4)

HOUSING 5 (H5)

HOUSING 6 (H6)

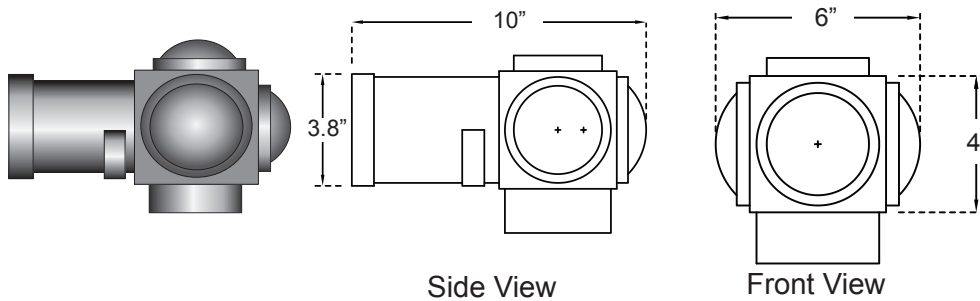


LED Specifications ODEN ROADWAY

4K Lumen Data <small>Lumen Chart Updated 11.20.17</small>																																	
	# LEDs	mA	Type 1	B	U	G	LPW	Type 2	B	U	G	LPW	Type 3	B	U	G	LPW	Type 4	B	U	G	LPW	Type 5	B	U	G	LPW	Type 5W	B	U	G	LPW	Watts
ODN-1	16	350	2561	1	0	1	142	2399	1	0	1	133	2443	1	0	1	136	2288	1	0	1	127	2568	1	0	1	143	2486	2	0	1	138	18
		530	3665	2	0	2	134	3433	1	0	1	126	3496	1	0	1	128	3275	1	0	1	120	3675	2	0	1	134	3558	2	0	1	130	27
		700	4572	2	0	2	124	4283	1	0	2	116	4361	1	0	1	118	4085	1	0	1	110	4585	2	0	1	124	4438	2	0	1	120	37
	32	350	4875	2	0	2	135	4566	1	0	2	127	4649	1	0	1	129	4355	1	0	1	121	4888	2	0	1	136	4732	3	0	1	131	36
		530	7225	3	0	3	132	6767	2	0	2	124	6891	1	0	1	126	6455	1	0	2	118	7245	3	0	1	133	7013	3	0	1	128	55
		700	9013	3	0	3	129	8442	2	0	2	121	8596	1	0	2	123	8053	2	0	2	115	9037	3	0	1	129	8748	3	0	2	125	70
	48	350	7701	3	0	3	144	7213	2	0	2	135	7345	1	0	1	137	6880	1	0	2	129	7722	3	0	1	144	7474	3	0	1	140	54
		530	11414	3	0	3	139	10690	2	0	3	130	10886	2	0	2	133	10198	2	0	2	124	11445	3	0	1	140	11078	3	0	2	135	82
		700	14237	3	0	3	133	13335	3	0	3	125	13580	2	0	2	127	12721	2	0	2	119	14276	3	0	2	133	13819	4	0	2	129	107
ODN-2	48	350	7701	3	0	3	144	7213	2	0	2	135	7345	1	0	1	137	6880	1	0	2	129	7722	3	0	1	144	7474	3	0	1	140	54
		530	11414	3	0	3	139	10690	2	0	3	130	10886	2	0	2	133	10198	2	0	2	124	11445	3	0	1	140	11078	3	0	2	135	82
		700	14237	3	0	3	133	13335	3	0	3	125	13580	2	0	2	127	12721	2	0	2	119	14276	3	0	2	133	13819	4	0	2	129	107
	64	350	10058	3	0	3	140	9421	2	0	3	131	9593	2	0	2	133	8986	2	0	2	125	10085	3	0	1	140	9763	3	0	2	136	72
		530	14224	3	0	3	135	13323	3	0	3	127	13567	2	0	2	129	12709	2	0	2	121	14263	3	0	2	136	13807	4	0	2	131	105
		700	17919	4	0	4	128	16784	3	0	3	120	17091	2	0	2	122	16011	3	0	3	114	17969	4	0	2	128	17393	4	0	2	124	140
	80	350	12294	3	0	3	138	11515	3	0	3	129	11726	2	0	2	132	10984	2	0	2	123	12328	3	0	2	139	11933	4	0	2	134	89
		530	17187	3	0	3	132	16098	3	0	3	124	16393	2	0	2	126	15356	3	0	3	118	17234	4	0	2	133	16683	4	0	2	128	130
		700	21635	4	0	4	122	20265	3	0	4	114	20636	3	0	3	117	19331	3	0	3	109	21695	4	0	2	123	21000	4	0	2	119	177
96	350	14832	3	0	3	136	13892	3	0	3	127	14146	2	0	2	130	13252	2	0	2	122	14872	3	0	2	136	14396	4	0	2	132	109	
	530	21334	4	0	4	133	19982	3	0	3	125	20348	3	0	3	127	19061	3	0	3	119	21392	4	0	2	134	20707	4	0	2	129	160	
	700	26644	4	0	4	127	24956	3	0	4	119	25412	3	0	3	121	23805	3	0	3	113	26717	4	0	2	127	25861	5	0	3	123	210	
ODN-3	96	350	14832	3	0	3	136	13892	3	0	3	127	14146	2	0	2	130	13252	2	0	2	122	14872	3	0	2	136	14396	4	0	2	132	109
		530	21334	4	0	4	133	19982	3	0	3	125	20348	3	0	3	127	19061	3	0	3	119	21392	4	0	2	134	20707	4	0	2	129	160
		700	26644	4	0	4	127	24956	3	0	4	119	25412	3	0	3	121	23805	3	0	3	113	26717	4	0	2	127	25861	5	0	3	123	210
	128	350	18258	4	0	4	127	17101	3	0	3	119	17415	2	0	2	121	16313	3	0	3	113	18308	4	0	2	127	17722	4	0	2	123	144
		530	25821	4	0	4	123	24186	3	0	4	115	24628	3	0	3	117	23071	3	0	3	110	25892	4	0	2	123	25063	5	0	3	119	210
		700	32530	5	0	4	119	30469	4	0	5	111	31026	3	0	4	113	29064	3	0	4	106	32619	5	0	3	119	31574	5	0	3	115	274

Visit www.VisionaireLighting.com for up-to-the-minute chart information, including types not listed here. *Multiply 4K values by 0.965K / 0.953K

MAP-01 Mast Arm Fitter Dimensions



*The MAP-01 is designed to slip over 2 3/8" O.D. mast arm

Typical Mounting Arms

