

Oden

LED Luminaire







Oden LED

The Oden takes versatility to new heights with a modular luminaire concept for virtually endless design combinations. 6 dramatic cast cap styles can be matched with any of 6 elegant spun shade styles. You have the freedom to create your distinctive look and feel for your lighting project. The Oden Luminaire can be matched with a variety of complementary decorative mounting arms, wall brackets and poles. Each Oden cast aluminum cap and spun aluminum shade is meticulously crafted and finished to the highest quality standards. Attention to detail, use of the finest materials, and expert manufacturing techniques assure Oden luminaires will provide beauty and enduring performance in any environment. To top it off the Oden comes with a 10 P year paint warranty & 5 year electrical warranty. For full warranty information, please visit visionairelighting.com

Features

- High-performance Type I, Type II, Type III, Type IV, Type V and Type VW optics.
- 6 interchangeable spun aluminum shade styles
- 6 unique durable cast aluminum top caps
- 36 possible combinations for a completely customizable fixture
- 3,000, 4,000 and 5,000 Kelvin light color temperature
- 3 housing sizes available
- 5,000 - 50,000 lumen packages
- Title 24 Motion Sensor
- 32 to 406 system watts

ODEN ARRAY LED Specifications



Project Name:

Catalog Number:

Type:

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

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

The Oden Array LED fixture is offered with lumen packages ranging from 5,000 to 55,000. Ten optical distribution patterns are available. Choose between 3K, 4K or 5K Kelvin temperature of the LEDs.

A durable polyester powder coat finish is guaranteed for five years; and is available in standard or custom colors.

Ordering Information

MODEL	OPTICS	LUMENS	KELVIN	VOLTAGE	MOUNTING	FINISH	CAP/SHADE	OPTIONS	OPTIONS				
ODN-1-L	T1 Type 1	5L	3K 3000K	UNV 120-277V	AM Arm Mount Size 1	BZ Bronze	C1	PC-120 Button Type Photocell	DIM 0-10v Dimming Driver				
	T2 Type 2	10L	4K 4000K	8 347V						BK Black	C2	PC-208 Button Type Photocell	VWC Visionaire Wireless Controls Consult Factory
	T3 Type 3	15L	5K 5000K	5 480V						SBK Smooth Black	C3		
ODN-2-L	T3L Type 3 Long	20L			See decorative arm section for arm mount options	WH White	C4	PC-240 Button Type Photocell	IR-R Illuminated Rings Red				
	T4 Type 4	25L								SWH Smooth White	C5		
	T4L Type 4 Long	30L								GP Graphite	H1	WSC-8 Motion Sensor 8' Mounting Height	IR-B Illuminated Rings Blue
ODN-3-L	T4L Type 4 Long	35L			GY Grey	H2	WSC-20 Motion Sensor 9-20' Mounting Height	IR-G Illuminated Rings Green					
	T5SR Type 5 Short Round	40L			SL Silver Metallic	H3							
	T5LR Type 5 Long Round	50L				CC Custom Color			H4	WSC-40 Motion Sensor 21-40' Mounting Height WSC options will require (1)FSIR 100 remote for programming	CLS Cutoff Louver Shield		
T5LS Type 5 LongSquare					H5								
							H6						

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 Array provides excellent overall thermal management by maximizing the efficiency of the heat sink in the fixture. This enables the Oden - LED Array 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 Arrays. The optical system qualifies as IES full cutoff to restrict light trespass, glare and light pollution for neighborhood-friendly lighting.
- Serenity Lens – A visually comfortable lens that reduces the glare of LED Arrays.
- CRI values are 70

New LED Array Technology

- 4 Diodes now replace a single Led chip and operate at 25% of the drive current allowing for higher efficiency, less heat and longer life. (10 Year Warranty)
- More LEDs at a lower drive current provides a more comfortable visual effect.

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 Array mounts to a wide selection of decorative and custom Visionaire mounting arms. Visionaire decorative mounting arm required. See Visionaire Mounting Arms section of catalog.

Electrical Assembly

- The Oden - LED Array 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 of 90%.
- Rated for -40 °C to +40 °C operations.
- 10 kV surge protector supplied as standard.

Warranty

- Ten (10) year Limited Warranty on electrical components.
 - Five (5) year on finish.
- For full warranty information, please visit visionairelighting.com.

Options

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

Listings

- Oden is cUL listed, suitable for wet locations.
- Powder Coated Tough™
- IP65 Rated
- IDA Certification
- PangeaLink



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.

Oden Array - Electrical Load (A)

Ordering Nomenclature	System Watts	120	208	240	277	347	480
ODN-1-T5LS-5L-4K	32	0.27	0.15	0.13	0.12	0.09	0.07
ODN-1-T5LS-10L-4K	66	0.55	0.32	0.28	0.24	0.19	0.14
ODN-1-T5LS-15L-4K	98	0.82	0.47	0.41	0.35	0.28	0.20
ODN-2-T5LS-20L-4K	150	1.25	0.72	0.63	0.54	0.43	0.31
ODN-2-T5LS-25L-4K	198	1.65	0.95	0.83	0.71	0.57	0.41
ODN-2-T5LS-30L-4K	206	1.72	0.99	0.86	0.74	0.59	0.43
ODN-2-T5LS-35L-4K	248	2.07	1.19	1.03	0.90	0.71	0.52
ODN-3-T5LS-40L-4K	298	2.48	1.43	1.24	1.08	0.86	0.62
ODN-3-T5LS-50L-4K	406	3.38	1.95	1.69	1.47	1.17	0.85

ODEN ARRAY LED Specifications

Photometric Optical Summary



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

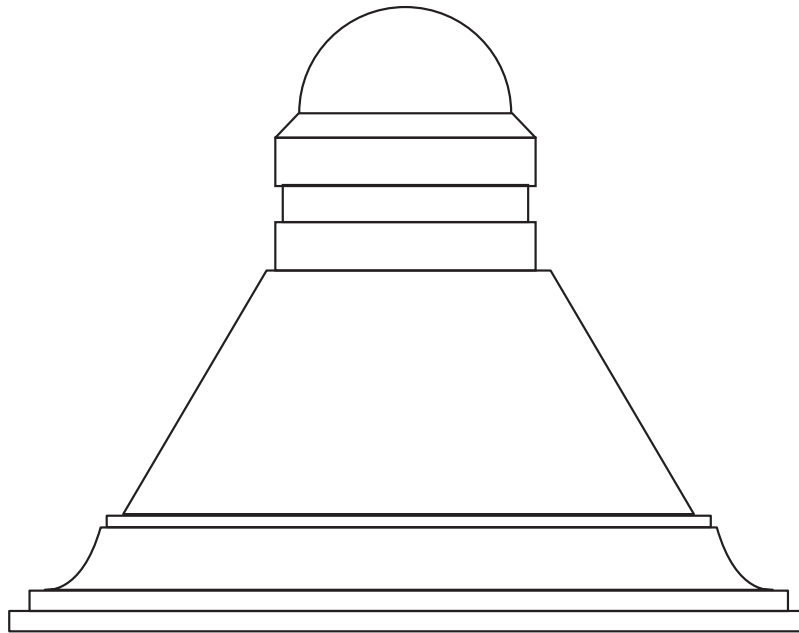
Width:	ODN-1 20"
Height:	ODN-1 17.5"
Weight:	40 LBS

Size 2

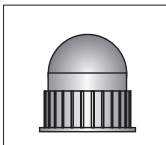
Width:	ODN-2 25"
Height:	ODN-2 22.5"
Weight:	53 LBS

Size 3

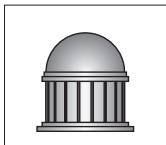
Width:	ODN-3 30"
Height:	ODN-3 24"
Weight:	74 LBS



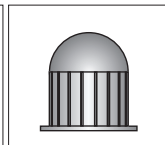
CAP 1 (C1)



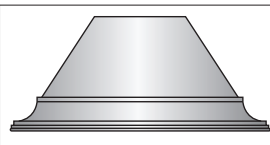
CAP 2 (C2)



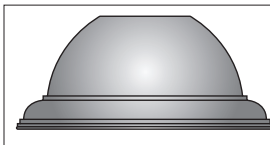
CAP 3 (C3)



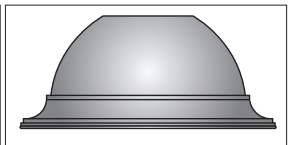
HOUSING 1 (H1)



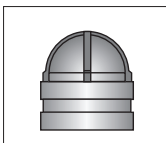
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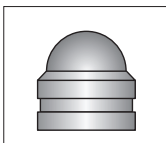
HOUSING 3 (H3)



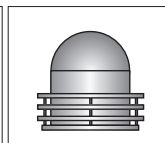
CAP 4 (C4)



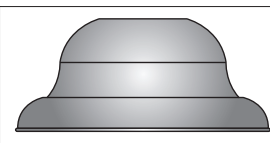
CAP 5 (C5)



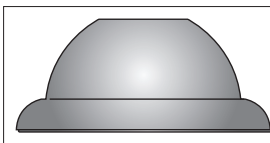
CAP 6 (C6)



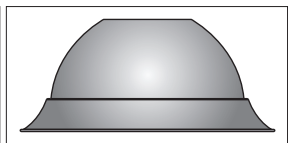
HOUSING 4 (H4)



HOUSING 5 (H5)



HOUSING 6 (H6)



	Oden Array - 3K Lumen Data											
	K Lumens	T1	T2	T3	T3L	T4	T4A	T4L	T5LR	T5LS	T5SR	Wattage
ODN-1	5L	4419	4408	4379	4271	4293	4476	4264	4296	4404	4516	32
	10L	8652	8631	8574	8363	8405	8765	8349	8412	8624	8842	66
	15L	12978	12946	12862	12544	12608	13147	12523	12618	12936	13264	98
ODN-2	20L	19521	19474	19346	18869	18964	19776	18837	18980	19458	19951	150
	25L	24606	24546	24385	23784	23904	24927	23744	23924	24526	25147	198
	30L	27192	27126	26948	26283	26416	27547	26239	26439	27103	27790	206
	35L	31642	31565	31359	30585	30740	32055	30533	30766	31539	32339	248
ODN-3	40L	36909	36818	36578	35675	35856	37390	35615	35886	36788	37721	298
	50L	45615	45503	45206	44091	44314	46210	44016	44351	45466	46619	406
	Oden Array - 4K Lumen Data											
	K Lumens	T1	T2	T3	T3L	T4	T4A	T4L	T5LR	T5LS	T5SR	Wattage
ODN-1	5L	4980	4968	4935	4813	4838	5045	4805	4842	4964	5089	32
	10L	9751	9727	9663	9425	9473	9878	9409	9481	9719	9965	66
	15L	14626	14590	14495	14137	14209	14817	14114	14221	14578	14948	98
ODN-2	20L	22000	21947	21803	21265	21373	22287	21229	21391	21929	22484	150
	25L	27731	27663	27482	26804	26940	28092	26759	26962	27640	28341	198
	30L	30645	30570	30370	29621	29771	31045	29571	29796	30545	31320	206
	35L	35661	35574	35341	34469	34644	36126	34411	34673	35544	36445	248
ODN-3	40L	41596	41494	41223	40206	40409	42138	40138	40443	41460	42511	298
	50L	51408	51282	50947	49690	49941	52078	49606	49983	51240	52539	406
	Oden Array - 5K Lumen Data											
	K Lumens	T1	T2	T3	T3L	T4	T4A	T4L	T5LR	T5LS	T5SR	Wattage
ODN-1	5L	5093	5081	5048	4923	4948	5160	4915	4952	5077	5206	32
	10L	9973	9949	9884	9640	9689	10103	9624	9697	9941	10193	66
	15L	14960	14923	14826	14460	14533	15155	14436	14545	14911	15289	98
ODN-2	20L	22503	22447	22301	21751	21861	22796	21714	21879	22429	22998	150
	25L	28364	28294	28109	27416	27554	28733	27370	27578	28271	28988	198
	30L	31345	31268	31064	30297	30451	31753	30246	30476	31243	32034	206
	35L	36475	36386	36148	35256	35434	36950	35196	35464	36356	37277	248
ODN-3	40L	42545	42441	42164	41124	41332	43100	41054	41366	42407	43482	298
	50L	52581	52453	52110	50824	51081	53267	50738	51124	52410	53738	406

Motion Sensor Default Setting									
Type	High Mode	Low Mode	Time Delay	Cut off Delay	Sensitivity	Hold Off Set Point	Photocell On/Off	Ramp up Time	Fade Down Time
WSC- Default	10V	1V	5 Min	1 Hour	Max	Disabled	Disabled	Disabled	Disabled
WSC Range	0-10V	0-9.8V	5-30 Min	1-5 Hours	Low, Med, Max	1-250FC	1-250FC	1-60 Dec	1-60 Dec

ODEN ARRAY SCONCE LED Array Specifications



Project Name:

Catalog Number:

Type:

The **Oden Array Wall Sconce** offers architectural styling for wall mounted applications, while complimenting the Oden series of lighting products. The unique design comes in 2 sizes and captures the rustic look and feel of the Southwest.

The **Oden Array Wall Sconce** fixture is offered with lumen packages ranging from 2,000 to 13,000. Four optical distribution patterns are available. Choose between 3K, 4K or 5K Kelvin temperature of the LEDs.

A durable polyester powder coat finish is guaranteed for five years; and is available in standard or custom colors.

Ordering Information

MODEL	OPTICS	LUMENS	KELVIN	VOLTAGE	MOUNTING	FINISH	OPTIONS
OWS-1	T1 Type 1	2L	3K 3000K	UNV 120-277V	WM Wall Mount	BZ Bronze	PC-120 Button Type Photocell
	T2 Type 2	4L	4K 4000K			BK Black	PC-208 Button Type Photocell
	T3 Type 3	6L	5K 5000K			SBK Smooth Black	PC-240 Button Type Photocell
OWS-2	T4 Type 4	6L	5K 5000K			WH White	PC-277 Button Type Photocell
		8L				SWH Smooth White	PC-277 Button Type Photocell
		11L				GP Graphite	WSC-8 Motion Sensor 8' Mounting Height
		13L				GY Grey	WSC-20 Motion Sensor 9-20' Mounting Height
					SL Silver Metallic		
					CC Custom Color		
						DIM 0-10v Dimming Driver	

Housing

The Oden Array Sconce consists of a durable, cast aluminum housing and lens door frame with tool-less latch.

Driver Compartment

The driver housing is constructed of formed aluminum allowing for cooler operation and longer driver life. One-piece gasketing is utilized throughout the fixture for weather tight operation.

Thermal Management

The Oden Array Sconce Series provides excellent overall thermal management by maximizing the fixture's heat sink capabilities. This enables the Oden Array Sconce Series to withstand higher ambient temperatures and drive currents without degrading LED life.

The L70 test determines the point in an LEDs life when it reaches 70 percent of its initial output. The Oden - Array Sconce Series LEDs have been determined to last a minimum of 100,000 hours in 25°C.

Optical System

The highest lumen output, LEDs are utilized in the Oden - Array Sconce Series. IES distribution Types 1, 2, 3 and 4 are available. LED light engines come in multiples of 16 LED Arrays.

CRI values are 70.

New LED Array Technology

4 Diodes now replace a single Led chip and operate at 25% of the drive current allowing for higher efficiency, less heat and longer life. (10 Year Warranty)

More LEDs at a lower drive current provides a more comfortable visual effect.

Quali-Guard® Finish

The finish is a Quali-Guard® textured, chemically pretreated through a multiple-stage washer, electrostatically applied, thermoset polyester powder coat finish, with a minimum of 3-5 millimeter thickness. Finish is oven-baked at 400 °F to promote maximum adherence and finish hardness.

All finishes are available in standard and custom colors.

Finish is guaranteed for five (5) years.

Electrical Assembly

The Oden Array Sconce Series is supplied with a choice of 350, 530, 700, 1050 or 1200mA high-performance LED drivers, that accept 120v, 50 Hz to 60 Hz, input.

- Power factor of 90%.
- Rated for -40 °C to +40 °C operations.
- 10 kV surge protector supplied as standard.

Warranty

- Ten (10) year Limited Warranty on electrical components
- Five (5) year on finish. For full warranty information, please visit visionairelighting.com.

Options

- Button Type Photocell
- Motion Sensor

Listings

- Oden - Sconce Array Series is UL listed, suitable for wet locations
- Powder Coated Tough™
- IP65 Rated
- IDA Certification
- PangeaLink



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.

Motion Sensor Default Setting									
Type	High Mode	Low Mode	Time Delay	Cut off Delay	Sensitivity	Hold Off Set Point	Photocell On/Off	Ramp Up Time	Fade Down Time
WSC- Default	10V	1V	5 Min	1 Hour	Max	Disabled	Disabled	Disabled	Disabled
WSC Range	0-10V	0-9.8V	5-30 Min	1-5 Hours	Low, Med, Max	1-250FC	1-250FC	1-60 Dec	1-60 Dec

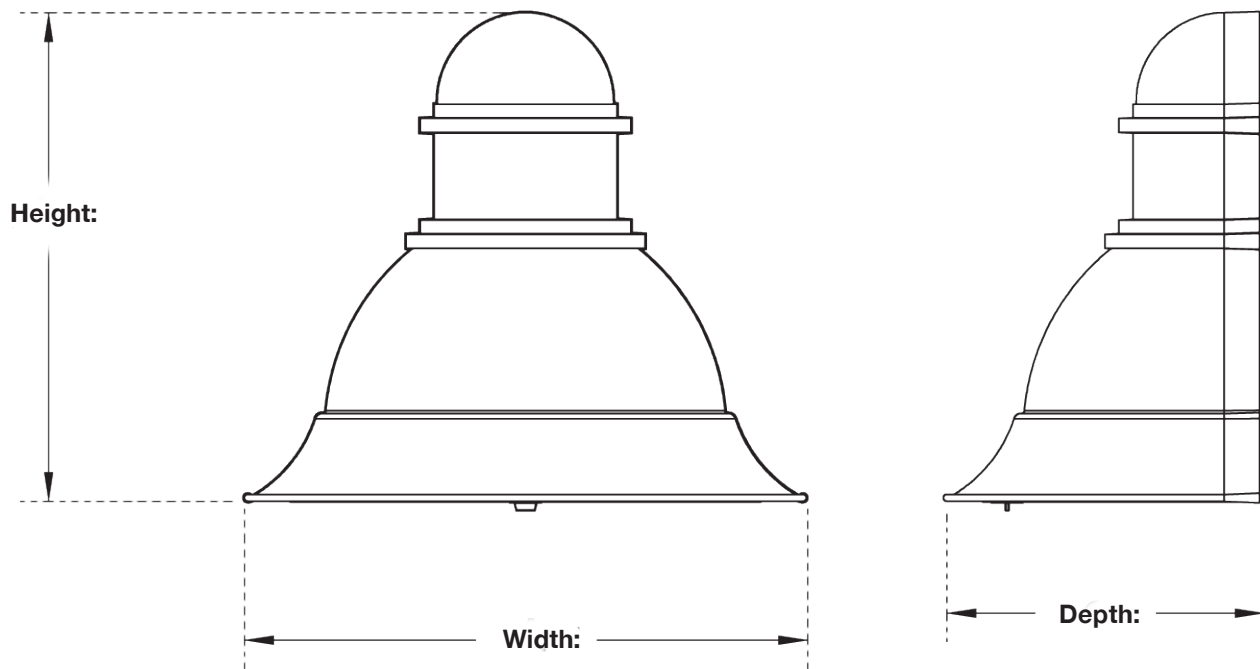
ODEN ARRAY SCONCE LED Specifications

Photometric Optical Summary



Dimensions

Width:	OWS-1 14.75"	OWS-2 20"
Height:	OWS-1 13"	OWS-2 17.75"
Depth:	OWS-1 8.75"	OWS-2 11.5"
Weight:	19 LBS	27 LBS



ODEN ARRAY SCONCE - 3K LUMEN DATA							
Model	LUMENS	Current	T1	T2	T3	T4	Watts
OWS-1	2L	350	2095	2046	2065	2046	17
	4L	700	4028	3934	3970	3934	34
	6L	1050	5774	5639	5692	5639	52
OWS-2	6L	530	5892	5754	5808	5754	50
	8L	700	7641	7462	7532	7462	65
	11L	1050	10999	10742	10842	10742	99
	13L	1200	12131	11848	11958	11848	111
ODEN ARRAY SCONCE - 4K LUMEN DATA							
OWS-1	2L	350	2319	2265	2286	2265	17
	4L	700	4459	4355	4395	4355	34
	6L	1050	6392	6243	6301	6243	52
OWS-2	6L	530	6522	6370	6429	6370	50
	8L	700	8459	8261	8338	8261	65
	11L	1050	12176	11892	12002	11892	99
	13L	1200	13430	13116	13238	13116	111
ODEN ARRAY SCONCE - 5K LUMEN DATA							
OWS-1	2L	350	2319	2265	2286	2265	17
	4L	700	4459	4355	4395	4355	34
	6L	1050	6392	6243	6301	6243	52
OWS-2	6L	530	6522	6370	6429	6370	50
	8L	700	8459	8261	8338	8261	65
	11L	1050	12176	11892	12002	11892	99
	13L	1200	13430	13116	13238	13116	111

ODEN ARRAY SCONCE - 3K LPW DATA							
Model	LUMENS	Current	T1	T2	T3	T4	Watts
OWS-1	2L	350	122	119	120	119	17
	4L	700	117	115	116	115	34
	6L	1050	112	110	111	110	52
OWS-2	6L	530	119	116	117	116	50
	8L	700	118	115	116	115	65
	11L	1050	111	109	110	109	99
	13L	1200	109	107	108	107	111
ODEN ARRAY SCONCE - 4K LPW DATA							
OWS-1	2L	350	135	132	133	132	17
	4L	700	130	127	128	127	34
	6L	1050	124	121	122	121	52
OWS-2	6L	530	132	129	130	129	50
	8L	700	131	127	129	127	65
	11L	1050	123	120	121	120	99
	13L	1200	121	118	119	118	111
ODEN ARRAY SCONCE - 5K LPW DATA							
OWS-1	2L	350	135	132	133	132	17
	4L	700	130	127	128	127	34
	6L	1050	124	121	122	121	52
OWS-2	6L	530	132	129	130	129	50
	8L	700	131	127	129	127	65
	11L	1050	123	120	121	120	99
	13L	1200	121	118	119	118	111



 **VISIONAIRE**
L I G H T I N G

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