

ODEN LED Specifications



Project Name:

Catalog Number:

Type:

With six interchangeable caps and spun shade styles, the **Oden - LED** 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.

Ordering Information

MODEL	OPTICS	LEDs	CURRENT	KELVIN	VOLTAGE	MOUNTING	FINISH	CAP/SHADE	OPTIONS	OPTIONS
ODN-1-L	T1 Type 1	16LC	3 350mA	3K 3000K	UNV 120-277V	YM Yoke Mount *Slips over 3" ØD tenon x 4" tall with special threaded mounting plate.	BZ Bronze	C1	PC-120	DIM 0-10v Dimming Driver
	T2 Type 2	32LC	5 530mA	4K 4000K	8 347V		WB Weathered Brown	C2	PC-208	
	T3 Type 3	48LC	7 700mA	5K 5000K	5 480V		BK Black	C3	PC-240	
ODN-2-L	T4 Type 4	48LC				UAM1 Arm Mount *Decorative arm not included	SBK Smooth Black	C4	PC-277	VWC Visionaire Wireless Controls *Consult Factory
	T5 Type 5	64LC					WH White	C5	WSC-8 Motion Sensor 8' Mounting Height	IR-R Illuminated Rings Red
	T5W Type 5 Wide	80LC					SWH Smooth White	C6	WSC-20 Motion Sensor 9-20' Mounting Height	IR-B Illuminated Rings Blue
ODN-3-L	96LC					See decorative arm section for arm mount options ODN uses small arm. ODN-2 & ODN-3 uses large arm	GP Graphite	H1	WSC-40 Motion Sensor 21-40' Mounting Height *The WSC option will require (1) FSIR 100 remote for programming	IR-G Illuminated Rings Green
	96LC						GY Grey	H2		CLS Cutoff Louder Shield
	128LC						SL Silver Metallic	H3		
							FG Forest Green	H4		
							VD Verdigris	H5		
							CC Custom Color	H6		

Features & Specifications

ODEN

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 to 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 Array mounts to a wide selection of decorative and custom Visionaire mounting arms. Visionaire decorative mounting arm required. See Visionaire Mounting Arms section of the catalog.
- Oden 1 requires small decorative arm
- Oden 2 & Oden 3 requires large decorative arm

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
- IDA Certification
- LM79
- LM80
- Powder Coated Tough™



3000K must be selected for IDA certification.
Fixed mount must be selected for IDA dark sky certification.

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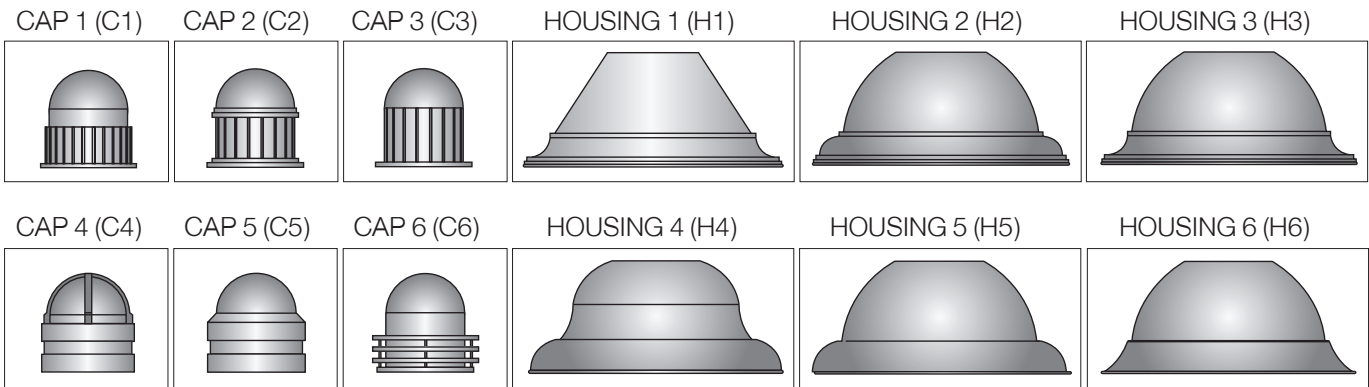
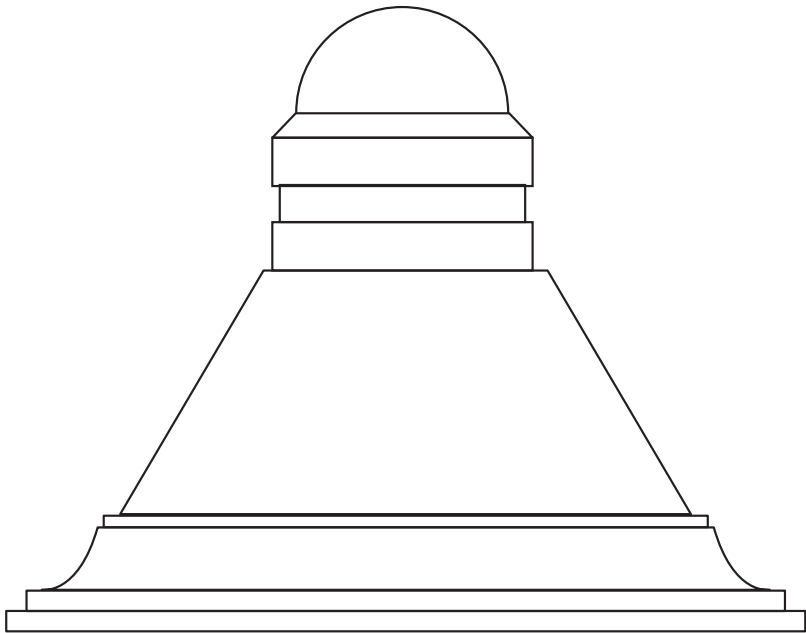
Photometric Optical Summary



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		Size 2		Size 3	
Width:	ODN-1 20"	Width:	ODN-2 25"	Width:	ODN-3 30"
Height:	ODN-1 19.5"	Height:	ODN-2 22.5"	Height:	ODN-3 24"
Weight:	40 LBS	Weight:	53 LBS	Weight:	74 LBS



ODEN DATA																																	
	# 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	29064	5	0	3	119	31837	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 0.96 5K / 0.95 3K																																	

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ODEN LED Specifications

ODEN CLS - 3K LUMEN DATA										
	# Leds	Current (mA)	T1	T2	T3	T4	T5	T5W	T5WR	Watts
ODN-1-L	16	350	1776	1664	1694	1587	1781	1724	1738	18
		530	2542	2381	2425	2271	2549	2467	2488	27
		700	3171	2970	3024	2833	3180	3078	3103	37
ODN-1-L	32	350	3381	3166	3224	3020	3390	3281	3308	36
		530	5011	4693	4779	4477	5024	4864	4904	55
		700	6250	5854	5962	5585	6267	6067	6117	70
ODN-1-L	48	350	5340	5002	5094	4771	5355	5184	5227	54
		530	7915	7414	7550	7072	7937	7683	7747	82
		700	9874	9248	9417	8822	9901	9584	9664	107
ODN-2-L	48	350	5340	5002	5094	4771	5355	5184	5227	54
		530	7915	7414	7550	7072	7937	7683	7747	82
		700	9874	9248	9417	8822	9901	9584	9664	107
ODN-2-L	64	350	6975	6533	6653	6232	6994	6770	6827	72
		530	9864	9240	9409	8814	9891	9575	9654	105
		700	12427	11640	11853	11103	12461	12062	12163	140
ODN-2-L	80	350	8526	7986	8132	7618	8549	8276	8345	89
		530	11919	11164	11369	10650	11952	11569	11666	130
		700	15004	14054	14311	13406	15045	14564	14685	177
ODN-2-L	96	350	10286	9634	9810	9190	10314	9984	10067	109
		530	14795	13858	14111	13219	14835	14361	14480	160
		700	18477	17307	17624	16509	18528	17935	18084	210
ODN-3-L	96	350	10286	9634	9810	9190	10314	9984	10067	109
		530	14795	13858	14111	13219	14835	14361	14480	160
		700	18477	17307	17624	16509	18528	17935	18084	210
ODN-3-L	128	350	12662	11860	12077	11313	12697	12290	12392	144
		530	17907	16773	17080	16000	17956	17381	17526	210
		700	22559	21130	21517	20156	22621	21897	22080	274
ODEN CLS - 4K LUMEN DATA										
	# Leds	Current (mA)	T1	T2	T3	T4	T5	T5W	T5WR	Watts
ODN-1-L	16	350	1870	1751	1783	1671	1875	1815	1830	18
		530	2676	2506	2552	2391	2683	2597	2619	27
		700	3338	3126	3184	2982	3347	3240	3267	37
ODN-1-L	32	350	3559	3333	3394	3179	3568	3454	3483	36
		530	5274	4940	5031	4712	5289	5120	5162	55
		700	6579	6162	6275	5878	6597	6386	6439	70
ODN-1-L	48	350	5621	5265	5362	5023	5637	5456	5502	54
		530	8332	7804	7947	7444	8355	8087	8155	82
		700	10393	9735	9913	9286	10422	10088	10172	107
ODN-2-L	48	350	5621	5265	5362	5023	5637	5456	5502	54
		530	8332	7804	7947	7444	8355	8087	8155	82
		700	10393	9735	9913	9286	10422	10088	10172	107
ODN-2-L	64	350	7342	6877	7003	6560	7362	7127	7186	72
		530	10384	9726	9904	9277	10412	10079	10163	105
		700	13081	12252	12477	11688	13117	12697	12803	140
ODN-2-L	80	350	8975	8406	8560	8019	8999	8711	8784	89
		530	12547	11752	11967	11210	12581	12178	12280	130
		700	15794	14793	15064	14111	15837	15330	15458	177
ODN-2-L	96	350	10827	10141	10327	9674	10857	10509	10597	109
		530	15574	14587	14854	13915	15616	15116	15242	160
		700	19450	18218	18551	17378	19503	18879	19036	210
ODN-3-L	96	350	10827	10141	10327	9674	10857	10509	10597	109
		530	15574	14587	14854	13915	15616	15116	15242	160
		700	19450	18218	18551	17378	19503	18879	19036	210
ODN-3-L	128	350	13328	12484	12713	11909	13365	12937	13045	144
		530	18850	17655	17979	16842	18901	18296	18449	210
		700	23747	22242	22649	21217	23812	23049	23241	274

ODEN CLS - 5K LUMEN DATA										
	# Leds	Current (mA)	T1	T2	T3	T4	T5	T5W	T5WR	Watts
ODN-1-L	16	350	1794	1680	1711	1603	1799	1742	1743	18
		530	2567	2405	2449	2294	2575	2492	2494	27
		700	3203	3000	3055	2862	3212	3109	3111	37
ODN-1-L	32	350	3415	3198	3257	3051	3424	3314	3317	36
		530	5061	4741	4827	4522	5075	4913	4917	55
		700	6314	5914	6022	5641	6331	6128	6133	70
ODN-1-L	48	350	5394	5052	5145	4819	5409	5236	5240	54
		530	7995	7489	7626	7144	8017	7761	7766	82
		700	9973	9342	9513	8911	10001	9681	9688	107
ODN-2-L	48	350	5394	5052	5145	4819	5409	5236	5240	54
		530	7995	7489	7626	7144	8017	7761	7766	82
		700	9973	9342	9513	8911	10001	9681	9688	107
ODN-2-L	64	350	7045	6599	6720	6295	7065	6839	6844	72
		530	9964	9333	9504	8902	9992	9672	9679	105
		700	12552	11757	11973	11216	12587	12184	12193	140
ODN-2-L	80	350	8612	8067	8214	7695	8636	8359	8366	89
		530	12040	11277	11484	10757	12073	11687	11695	130
		700	15156	14196	14455	13541	15197	14711	14722	177
ODN-2-L	96	350	10389	9732	9910	9283	10418	10084	10092	109
		530	14945	13998	14254	13352	14985	14506	14517	160
		700	18664	17481	17802	17227	18715	18116	18130	210
ODN-3-L	96	350	10389	9732	9910	9283	10418	10084	10092	109
		530	14945	13998	14254	13352	14985	14506	14517	160
		700	18664	17481	17802	17227	18715	18116	18130	210
ODN-3-L	128	350	12790	11980	12199	11427	12825	12414	12424	144
		530	18088	16942	17252	16161	18138	17557	17570	210
		700	22787	21344	21734	20360	22850	22118	22134	274

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ODEN CLS - 3K LUMEN PER WATT DATA										
	# Leds	Current (mA)	T1	T2	T3	T4	T5	T5W	T5WR	Watts
ODN-1-L	16	350	99	92	94	88	99	96	97	18
		530	93	87	89	83	93	90	91	27
		700	86	80	82	77	86	83	84	37
ODN-1-L	32	350	94	88	90	84	94	91	92	36
		530	92	86	87	82	92	89	90	55
		700	89	84	85	80	90	87	87	70
ODN-1-L	48	350	100	93	95	89	100	97	98	54
		530	97	90	92	86	97	94	94	82
		700	92	86	88	82	93	90	90	107
ODN-2-L	48	350	100	93	95	89	100	97	98	54
		530	97	90	92	86	97	94	94	82
		700	92	86	88	82	93	90	90	107
ODN-2-L	64	350	97	91	92	87	97	94	95	72
		530	94	88	90	84	94	91	92	105
		700	89	83	85	79	89	86	87	140
ODN-2-L	80	350	96	90	91	86	96	93	94	89
		530	92	86	87	82	92	89	90	130
		700	85	79	81	76	85	82	83	177
ODN-2-L	96	350	94	88	90	84	95	92	92	109
		530	92	87	88	83	93	90	91	160
		700	88	82	84	79	88	85	86	210
ODN-3-L	96	350	94	88	90	84	95	92	92	109
		530	92	87	88	83	93	90	91	160
		700	88	82	84	79	88	85	86	210
ODN-3-L	128	350	88	82	84	79	88	85	86	144
		530	85	80	81	76	86	83	83	210
		700	82	77	79	74	83	80	81	274
ODEN CLS - 4K LUMEN PER WATT DATA										
	# Leds	Current (mA)	T1	T2	T3	T4	T5	T5W	T5WR	Watts
ODN-1-L	16	350	104	97	99	93	104	101	102	18
		530	98	92	93	87	98	95	96	27
		700	90	84	86	81	90	88	88	37
ODN-1-L	32	350	99	93	94	88	99	96	97	36
		530	96	90	92	86	97	94	94	55
		700	94	88	90	84	94	91	92	70
ODN-1-L	48	350	105	98	100	94	105	102	103	54
		530	102	95	97	91	102	99	99	82
		700	97	91	93	87	97	94	95	107
ODN-2-L	48	350	105	98	100	94	105	102	103	54
		530	102	95	97	91	102	99	99	82
		700	97	91	93	87	97	94	95	107
ODN-2-L	64	350	102	96	97	91	102	99	100	72
		530	99	93	94	88	99	96	97	105
		700	93	88	89	83	94	91	91	140
ODN-2-L	80	350	101	94	96	90	101	98	99	89
		530	97	90	92	86	97	94	94	130
		700	89	84	85	80	89	87	87	177
ODN-2-L	96	350	99	93	95	89	100	96	97	109
		530	97	91	93	87	98	94	95	160
		700	93	87	88	83	93	90	91	210
ODN-3-L	96	350	99	93	95	89	100	96	97	109
		530	97	91	93	87	98	94	95	160
		700	93	87	88	83	93	90	91	210
ODN-3-L	128	350	93	87	88	83	93	90	91	144
		530	90	84	86	80	90	87	88	210
		700	87	81	83	77	87	84	85	274

ODEN CLS - 5K LUMEN PER WATT DATA										
	# Leds	Current (mA)	T1	T2	T3	T4	T5	T5W	T5WR	Watts
ODN-1-L	16	350	100	93	95	89	100	97	97	18
		530	94	88	90	84	94	91	91	27
		700	87	81	83	77	87	84	84	37
ODN-1-L	32	350	95	89	90	85	95	92	92	36
		530	93	87	88	83	93	90	90	55
		700	90	84	86	81	90	88	88	70
ODN-1-L	48	350	101	94	96	90	101	98	98	54
		530	97	91	93	87	98	95	95	82
		700	93	87	89	83	93	90	91	107
ODN-2-L	48	350	101	94	96	90	101	98	98	54
		530	97	91	93	87	98	95	95	82
		700	93	87	89	83	93	90	91	107
ODN-2-L	64	350	98	92	93	87	98	95	95	72
		530	95	89	91	85	95	92	92	105
		700	90	84	86	80	90	87	87	140
ODN-2-L	80	350	97	91	92	86	97	94	94	89
		530	93	87	88	83	93	90	90	130
		700	86	80	82	77	86	83	83	177
ODN-2-L	96	350	95	89	91	85	96	93	93	109
		530	93	87	89	83	94	91	91	160
		700	89	83	85	82	89	86	86	210
ODN-3-L	96	350	95	89	91	85	96	93	93	109
		530	93	87	89	83	94	91	91	160
		700	89	83	85	82	89	86	86	210
ODN-3-L	128	350	89	83	85	79	89	86	86	144
		530	86	81	82	77	86	84	84	210
		700	83	78	79	74	83	81	81	274

ODEN LED Specifications

ODEN CLS - 3K LUMEN PER WATT DATA																								
	# Leds	Current (mA)	T1			T2			T3			T4			T5			T5W			T5WR			Watts
			B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	
ODN-1-L	16	350	1	0	1	0	0	1	0	0	1	0	0	1	1	0	1	1	0	1	1	0	1	18
		530	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	27
		700	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	37
ODN-1-L	32	350	1	0	1	1	0	2	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	36
		530	2	0	2	1	0	2	1	0	2	1	0	2	1	0	1	2	0	2	2	0	2	55
		700	2	0	2	1	0	2	1	0	2	1	0	2	2	0	1	2	0	2	2	0	2	70
ODN-1-L	48	350	2	0	2	1	0	2	1	0	2	1	0	2	1	0	1	2	0	2	2	0	2	54
		530	2	0	2	1	0	3	1	0	2	1	0	2	2	0	2	2	0	2	2	0	2	82
		700	3	0	3	1	0	3	2	0	3	2	0	3	2	0	2	3	0	3	3	0	3	107
ODN-2-L	48	350	2	0	2	1	0	2	1	0	2	1	0	2	1	0	1	2	0	2	2	0	2	54
		530	2	0	2	1	0	3	1	0	2	1	0	2	2	0	2	2	0	2	2	0	2	82
		700	3	0	3	1	0	3	2	0	3	2	0	3	2	0	2	3	0	3	3	0	3	107
ODN-2-L	64	350	2	0	2	1	0	2	1	0	2	1	0	2	2	0	1	2	0	2	2	0	2	72
		530	3	0	3	1	0	3	2	0	3	2	0	3	2	0	2	3	0	3	3	0	3	105
		700	3	0	3	2	0	3	2	0	3	2	0	3	2	0	2	3	0	3	3	0	3	140
ODN-2-L	80	350	2	0	2	1	0	3	2	0	2	1	0	2	2	0	2	2	0	2	2	0	2	89
		530	3	0	3	2	0	3	2	0	3	2	0	3	2	0	2	3	0	3	3	0	3	130
		700	3	0	3	2	0	3	2	0	3	2	0	3	3	0	3	3	0	3	3	0	3	177
ODN-2-L	96	350	3	0	3	2	0	3	2	0	3	2	0	3	2	0	2	3	0	3	3	0	3	109
		530	3	0	3	2	0	3	2	0	3	2	0	3	3	0	3	3	0	3	3	0	3	160
		700	3	0	3	2	0	4	3	0	3	2	0	3	3	0	3	3	0	3	3	0	3	210
ODN-3-L	96	350	3	0	3	2	0	3	2	0	3	2	0	3	2	0	2	3	0	3	3	0	3	109
		530	3	0	3	2	0	3	2	0	3	2	0	3	3	0	3	3	0	3	3	0	3	160
		700	3	0	3	2	0	4	3	0	3	2	0	3	3	0	3	3	0	3	3	0	3	210
ODN-3-L	128	350	3	0	3	2	0	3	2	0	3	2	0	3	2	0	2	3	0	3	3	0	3	144
		530	3	0	3	2	0	4	3	0	3	2	0	3	3	0	3	3	0	3	3	0	3	210
		700	4	0	4	3	0	4	3	0	4	3	0	4	3	0	3	3	0	4	3	0	4	274
ODEN CLS - 4K LUMEN PER WATT DATA																								
	# Leds	Current (mA)	T1			T2			T3			T4			T5			T5W			T5WR			Watts
			B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	
ODN-1-L	16	350	1	0	1	0	0	1	1	0	1	0	0	1	1	0	1	1	0	1	1	0	1	18
		530	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	27
		700	1	0	1	1	0	2	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	37
ODN-1-L	32	350	1	0	1	1	0	2	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	36
		530	2	0	2	1	0	2	1	0	2	1	0	2	1	0	1	2	0	2	2	0	2	55
		700	2	0	2	1	0	2	1	0	2	1	0	2	2	0	1	2	0	2	2	0	2	70
ODN-1-L	48	350	2	0	2	1	0	2	1	0	2	1	0	2	1	0	1	2	0	2	2	0	2	54
		530	2	0	2	1	0	3	2	0	2	1	0	2	2	0	2	2	0	2	2	0	2	82
		700	3	0	3	2	0	3	2	0	3	2	0	3	2	0	2	3	0	3	3	0	3	107
ODN-2-L	48	350	2	0	2	1	0	2	1	0	2	1	0	2	1	0	1	2	0	2	2	0	2	54
		530	2	0	2	1	0	3	2	0	2	1	0	2	2	0	2	2	0	2	2	0	2	82
		700	3	0	3	2	0	3	2	0	3	2	0	3	2	0	2	3	0	3	3	0	3	107
ODN-2-L	64	350	2	0	2	1	0	3	1	0	2	1	0	2	2	0	2	2	0	2	2	0	2	72
		530	3	0	3	2	0	3	2	0	3	2	0	3	2	0	2	3	0	3	3	0	3	105
		700	3	0	3	2	0	3	2	0	3	2	0	3	2	0	2	3	0	3	3	0	3	140
ODN-2-L	80	350	3	0	3	1	0	3	2	0	2	1	0	2	2	0	2	2	0	2	2	0	2	89
		530	3	0	3	2	0	3	2	0	3	2	0	3	2	0	2	3	0	3	3	0	3	130
		700	3	0	3	2	0	3	2	0	3	2	0	3	3	0	3	3	0	3	3	0	3	177
ODN-2-L	96	350	3	0	3	2	0	3	2	0	3	2	0	3	2	0	2	3	0	3	3	0	3	109
		530	3	0	3	2	0	3	2	0	3	2	0	3	3	0	3	3	0	3	3	0	3	160
		700	3	0	4	2	0	4	3	0	3	3	0	3	3	0	3	3	0	4	3	0	3	210
ODN-3-L	96	350	3	0	3	2	0	3	2	0	3	2	0	3	2	0	2	3	0	3	3	0	3	109
		530	3	0	3	2	0	3	2	0	3	2	0	3	3	0	3	3	0	3	3	0	3	160
		700	3	0	4	2	0	4	3	0	3	3	0	3	3	0	3	3	0	4	3	0	3	210
ODN-3-L	128	350	3	0	3	2	0	3	2	0	3	2	0	3	2	0	2	3	0	3	3	0	3	144
		530	3	0	3	2	0	4	3	0	3	3	0	3	3	0	3	3	0	4	3	0	3	210
		700	4	0	4	3	0	4	3	0	4	3	0	4	3	0	3	3	0	4	4	0	4	274

ODEN CLS - 5K LUMEN PER WATT DATA																								
	# Leds	Current (mA)	T1			T2			T3			T4			T5			T5W			T5WR			Watts
			B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	
ODN-1-L	16	350	1	0	1	0	0	1	0	0	1	0	0	1	1	0	1	1	0	1	1	0	1	18
		530	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	27
		700	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	37
ODN-1-L	32	350	1	0	1	1	0	2	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	36
		530	2	0	2	1	0	2	1	0	2	1	0	2	1	0	1	2	0	2	2	0	2	55
		700	2	0	2	1	0	2	1	0	2	1	0	2	2	0	1	2	0	2	2	0	2	70
ODN-1-L	48	350	2	0	2	1	0	2	1	0	2	1	0	2	1	0	1	2	0	2	2	0	2	54
		530	2	0	2	1	0	3	1	0	2	1	0	2	2	0	2	2	0	2	2	0	2	82
		700	3	0	3	2	0	3	2	0	3	2	0	3	2	0	2	3	0	3	3	0	3	107
ODN-2-L	48	350	2	0	2	1	0	2	1	0	2	1	0	2	1	0	1	2	0	2	2	0	2	54
		530	2	0	2	1	0	3	1	0	2	1	0	2	2	0	2	2	0	2	2	0	2	82
		700	3	0	3	2	0	3	2	0	3	2	0	3	2	0	2	3	0	3	3	0	3	107
ODN-2-L	64	350	2	0	2	1	0	2	1	0	2	1	0	2	2	0	2	2	0	2	2	0	2	72
		530	3	0	3	2	0	3	2	0	3	2	0	3	2	0	2	3	0	3	3	0	3	105
		700	3	0	3	2	0	3	2	0	3	2	0	3	2	0	2	3	0	3	3	0	3	140
ODN-2-L	80	350	2	0	2	1	0	3	2	0	2	1	0	2	2	0	2	2	0	2	2	0	2	89
		530	3	0	3	2	0	3	2	0	3	2	0	3	2	0	2	3	0	3	3	0	3	130
		700	3	0	3	2	0	3	2	0	3	2	0	3	3	0	3	3	0	3	3	0	3	177
ODN-2-L	96	350	3	0	3	2	0	3	2	0	3	2	0	3	2	0	2	3	0	3	3	0	3	109
		530	3	0	3	2	0	3	2	0	3	2	0	3	3	0	3	3	0	3	3	0	3	160
		700	3	0	3	2	0	4	3	0	3	3	0	3	3	0	3	3	0	4	3	0	3	210
ODN-3-L	96	350	3	0	3	2	0	3	2	0	3	2	0	3	2	0	2	3	0	3	3	0	3	109
		530	3	0	3	2	0	3	2	0	3	2	0	3	3	0	3	3	0	3	3	0	3	160
		700	3	0	3	2	0	4	3	0	3	3	0	3	3	0	3	3	0	4	3	0	3	210
ODN-3-L	128	350	3	0	3	2	0	3	2	0	3	2	0	3	2	0	2	3	0	3	3	0	3	144
		530	3	0	3	2	0	4	3	0	3	2	0	3	3	0	3	3	0	3	3	0	3	210
		700	4	0	4	3	0	4	3	0	4	3	0	4	3	0	3	3	0	4	3	0	4	274