

Day-Brite

CFI

by Signify

Linear

OWL wraparound

2', 4', 8'
3000, 4000, 5000, or 7000lm



Day-Brite / CFI OWL LED wraparound is the ideal surface mount general illumination luminaire for light commercial and residential applications. The high efficiency LED light engine provides exceptional performance coupled with quality visual light.

Project: _____

Location: _____

Cat.No: _____

Type: _____

Lamps: _____ Qty: _____

Notes: _____

Ordering guide

Example: OWL240L840-UNV-DIM

Series	Length	Lumen Package ²	Color Temp.	Voltage	Driver
OWL			—	—	
OWL OW LED wraparound	2' 2' length	30L 3000 lumens 40L 4000 lumens	830 80 CRI, 3000K 835 80 CRI, 3500K 840 80 CRI, 4000K 850 80 CRI, 5000K	UNV Universal voltage 120/277V 347 347V	DIM Non-dim ⁴ SDIM ³ 0-10v dimming driver EMLED ⁵ Step dimming to 40% input power GLR Integral emergency battery pack BAC ⁶ Fusing, fast blow Meets the requirements of the Buy American Act of 1933 (BAA)
	4' 4' length	40L 4000 lumens 50L ³ 5000 lumens 70L ³ 7000 lumens			
	8' 8' length				

Footnotes

- 1 8' tandem units are double nominal lumens shown. Available in 50L (10,000lm) and 70L (14,000lm) flux packages
- 2 Nominal total delivered lumens
- 3 SDIM option not available on 50L and 70L flux options
- 4 Non-Dim driver option available only on the 2' 3000lm OWL230L.
- 5 EMLED option not available for 347V 5000lm, 7000lm, 8' 10,000lm and 8' 14,000lm, and 2' models
- 6 Failure to properly select the "BAC" suffix could result in you receiving product that is not BAA compliant product with no recourse for an RMA or refund. This BAC designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies.
- 7 Consult Signify to confirm whether specific accessories are BAA-compliant.

Accessories⁷ (order separately)

- CS-400 – Rigid Canopy
- CS-500 – 42° Top Swivel Canopy
- CS-12 – 12" Stem
- CS-18 – 18" Stem
- CS-24 – 24" Stem
- CS-30 – 30" Stem
- CS-36 – 36" Stem
- CS-48 – 48" Stem
- MD360 – 120/277V field installed occupancy sensor
- MD360-347 – 347V field installed occupancy sensor

Replacement Lenses

- 2' OWLED824
- 4' OWLED848
- 8' OWLED848 (2/fixture)

Stems 3/8" Trade Size (5/8" O.D.).
Will Work with 1/2" trade size K.O.'s.
Locknuts included.



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Features

- Tapered shape provides appearance of reduced depth.
- Durable 100% frost acrylic lens shields LEDs from direct view.
- Unique 2' 4000lm configuration can displace a 4' 2x28W T5 fluorescent with 50% smaller carbon footprint.
- 8' tandem 10,000lm (50L) and 14,000lm (70L) units ideal for larger applications.
- Long life LEDs provide 50,000 hours (L70)¹ maintenance free system life.
- Ceiling or suspended mounting.
- Snap in LED pan and driver support is tool free for ease of installation.
- Continuous row mountable.
- 5000lm version capable of providing similar light levels to a 2-light 32W T8 strip while using 15% less energy.²
- Continuous 0-10v and 100/40 step dimming options available.
- Minimum operating temperature of -20°C.
- Enclosed lens minimizes penetration of dust, insects and other debris into the lamp compartment.
- Fully enclosed wiring and LED diodes.
- 5 year manufacturer's limited warranty.^{1,3}

Finish

- Housing and end plates are multi-stage phosphate treated for maximum corrosion resistance and finish coat is high reflectance baked white enamel.

Shielding

- Pattern 12 prismatic acrylic diffuser is specially designed to provide peak performance while minimizing pixilated glare.

Electrical

- LED boards and drivers are RoHS (Restriction of Hazardous Substances) compliant.
- High power factor solid state driver available with non-dimming, 0-10V dimming, and 100/40 step dimming options.
- Total system life rated at 50,000 hours.
- Maximum ambient temperature of 25°C.
- Suitable for cold locations – minimum ambient temperature of -20°C.

Materials

- Heavy gauge cold rolled steel housing, end plates, and LED pan.

Labels

- cETLus listed.
- Suitable for damp locations.
- Many luminaire components, such as reflectors, refractors, lenses, sockets, lampholders, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur based chemicals, petroleum based products, cleaning solutions, or other contaminants are expected in the intended area of use, consult factory for compatibility.

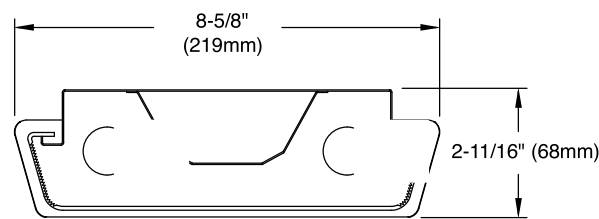
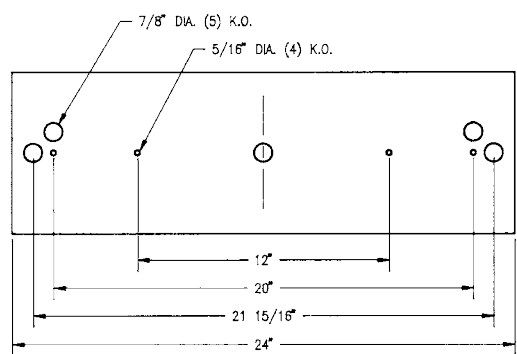
Footnotes:

1. Based on 25°C ambient operating temperature.
2. OWL450L840 input power is 53W vs a 2-light F32T8 HPF ballast at 277V drawing 62W.
3. Visit www.signify.com/warranties for complete warranty information.

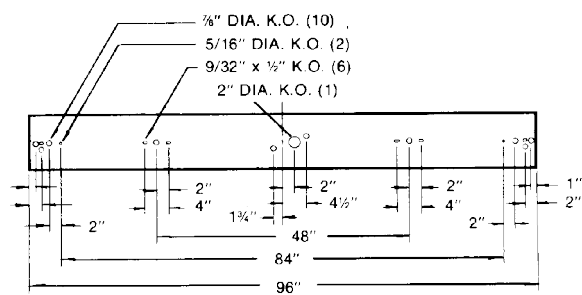
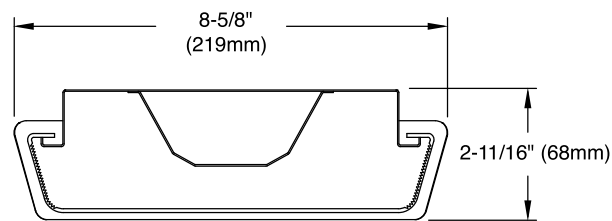
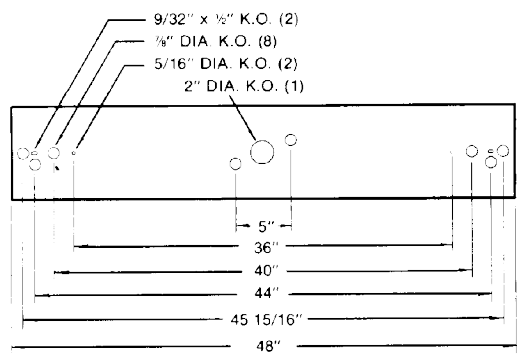
OWL LED wraparound

2', 4', or 8', 3000, 4000, 5000, or 7000 lumens

Dimensions 2'



Dimensions 4' & 8'



OWL LED wraparound

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OWL LED wraparound 2ft, 3000 nominal delivered lumens

Cat No: OWL230L840-UNV		Candela distribution					Zonal summary (total efficiency)				Coefficients of utilization										
Report no¹:	32778	Angle	End	45°	Cross	Back-45	Zone	End	45	Cross	Ceiling	80%			70%			50%			
Output	3205lms										70	50	30	70	50	30	50	30			
lumens:	4000K	0	933	933	933	933	45	6283	6251	6494	Wall										
CCT²:	33W	5	926	930	929	930	55	5578	5683	6116	RC RW	Zonal cavity method									
Input watts³:	96lm/w	15	891	900	903	900	65	4764	5093	5745		Effective floor reflectance = 20%									
Efficacy:		25	817	840	850	840	75	3808	4566	5605											
Comp Yearly		35	707	744	764	744	85	2220	4236	6145											
Energy Cost at \$2.50		45	569	627	658	627						0	115	115	115	112	112	112	105	105	
\$0.08/KWh:		55	420	491	536	491						1	105	100	94	101	95	92	90	85	
		65	275	357	410	357						2	94	85	79	91	82	77	78	71	
		75	146	235	296	235						3	85	75	67	82	72	65	68	61	
		85	39	133	201	133						4	79	67	57	76	65	56	60	53	
		95	1	94	171	94						5	71	58	50	69	57	48	54	46	
		105	1	90	159	90						6	67	53	44	64	52	42	48	41	
		115	2	77	128	77						7	61	47	40	59	46	39	44	36	
		125	2	59	94	59						8	57	44	35	55	42	34	40	33	
		135	2	40	68	40						9	54	40	32	52	39	32	36	29	
		145	2	25	46	25						10	50	36	28	48	35	28	34	28	
		155	3	12	26	12															
		165	3	4	7	4															
		175	3	3	3	3															

OWL LED wraparound 2ft, 4000 delivered lumens

Cat No:		Candela distribution					Zonal summary (total efficiency)				Coefficients of utilization									
OWL240L840-UNV-DIM																				
		Angle	End	45°	Cross	Back-45	Zone	End	45	Cross	Ceiling	80%			70%			50%		
Report no¹:	32616	0	1178	1178	1178	1178	45	7932	7879	8200	Wall	70	50	30	70	50	30	50	30	
Output	4042lms	5	1169	1174	1174	1174	55	7041	7161	7732	RC RW	Zonal cavity method								
lumens:	4000K	15	1124	1136	1138	1136	65	6015	6427	7315		Effective floor reflectance = 20%								
CCT²:	47W	25	1030	1059	1072	1059	75	4802	5778	7227		0	115	115	115	112	112	112	105	105
Input watts³:	87lm/w	35	893	938	964	938	85	2805	5372	8012		1	105	100	94	101	95	92	90	85
Efficacy:		45	719	790	830	790	Light Distribution					2	94	85	79	91	82	77	78	71
Comp Yearly		55	530	619	678	619	Degrees		Lumens	% Fixture		3	85	75	67	82	72	65	68	61
Energy Cost at \$2.76		65	347	450	522	450	0-30		918	22.7		4	79	67	57	76	65	56	60	53
\$0.08/KWh:		75	184	298	382	298	0-40		1502	37.2		5	71	58	50	69	57	48	54	46
		85	50	169	263	169	0-60		2655	65.7		6	67	53	44	64	52	42	48	41
		95	1	117	216	117	0-90		3590	88.8		7	61	47	40	59	46	39	44	36
		105	2	111	198	111	90-120		328	8.1	8	57	44	35	55	42	34	40	33	
		115	2	95	160	95	90-130		387	9.6	9	54	40	32	52	39	32	36	29	
		125	2	73	118	73	90-150		442	10.9	10	50	36	28	48	35	28	34	28	
		135	3	48	85	48	90-180		452	11.2										
		145	3	29	57	29	0-180		4042	100.0										
		155	4	13	32	13														
		165	5	5	12	5														
		175	5	4	12	5														

OWL LED wraparound

2', 4', or 8', 3000, 4000, 5000, or 7000 lumens

OWL LED wraparound 4ft, 4000 nominal delivered lumens

Cat No: OWL440L840-UNV-DIM		Candela distribution					Zonal summary (total efficiency)				Coefficients of utilization														
Report no¹: 32781		Angle	End	45°	Cross	Back-45	Zone	End	45	Cross	Ceiling	80%			70%			50%							
Output 3933lms							45	4018	3922	3971	Wall	70	50	30	70	50	30	50	30						
lumens: 4000K							55	3745	3690	3812	RC RW	Zonal cavity method													
CCT²: 37W							65	3395	3436	3643		Effective floor reflectance = 20%													
Input watts³: 106lm/w							75	2922	3177	3534		Room Cavity Ratio	0	116	116	116	112	112	112	105	105				
Efficacy:							85	2003	2956	3669			1	105	98	94	101	95	92	90	85				
Comp Yearly							45	707	772	804			772	2	94	85	79	91	82	76	78	71			
Energy Cost at \$2.26							55	542	623	668			623	3	85	75	66	82	72	65	68	60			
\$0.08/KWh:							65	369	465	520			465	4	79	66	56	75	64	56	59	53			
							75	203	311	373			311	5	71	58	50	68	56	48	54	46			
							85	57	170	240			170	6	66	53	44	64	51	42	47	40			
							95	1	111	183			111	Degrees	Lumens	% Fixture	7	61	47	39	58	46	38	44	36
							105	1	101	169			101	0-30	866	22.0	8	56	44	34	55	41	34	40	33
							115	2	86	144			86	0-40	1427	36.3	9	53	40	32	51	39	30	36	29
		125	2	64	112	64	0-60	2567	65.3	10	50	36	28	47	35	28	34	27							
		135	2	45	85	45	0-90	3520	89.5																
		145	3	29	58	29	90-120	294	7.5																
		155	3	16	33	16	90-130	349	8.9																
		165	3	6	12	6	90-150	403	10.2																
		175	4	3	3	3	90-180	413	10.5																
							0-180	3933	100.0																

OWL LED wraparound 4ft, 5000 nominal delivered lumens

Cat No:		Candela distribution					Zonal summary (total efficiency)				Coefficients of utilization																	
OWL450L840-UNV-DIM																												
Report no¹:	32780	Angle	End	45°	Cross Back-45		Zone	End	45	Cross	Ceiling	80%			70%			50%										
Output	5136lms	0	1439	1439	1439	1439	45	5224	5114	5173	Wall	70	50	30	70	50	30	50	30									
lumens:	4000K	5	1427	1434	1436	1434	55	4868	4814	4963	RC RW	Zonal cavity method																
CCT²:	53 W	15	1375	1391	1399	1391	65	4414	4489	4747		Effective floor reflectance = 20%																
Input watts³:	98lm/w	25	1266	1304	1322	1304	75	3800	4161	4608		0	116	116	116	112	112	112	105	105								
Efficacy:		35	1114	1173	1201	1173	85	2628	3892	4776		1	105	98	94	101	95	92	90	85								
Comp Yearly		45	920	1007	1048	1007	Light Distribution					2	94	85	79	91	82	76	78	71								
Energy Cost at \$2.45		55	704	812	870	812	Degrees	Lumens	% Fixture			3	85	75	66	82	72	65	68	60								
\$0.08/KWh:		65	480	608	677	608	0-30	1128	22.0			4	79	66	56	75	64	56	59	53								
		75	264	408	487	408	0-40	1858	36.2			5	71	58	50	68	56	48	54	46								
		85	74	224	313	224	0-60	3345	65.1			6	66	53	44	64	51	42	47	40								
		95	2	146	239	146	0-90	4591	89.4			7	61	47	39	58	46	38	44	36								
		105	2	134	221	134	90-120	389	7.5			8	56	44	34	55	41	34	40	33								
		115	2	115	187	115	90-130	463	9.0			9	53	40	32	51	39	30	36	29								
		125	3	85	147	85	90-150	535	10.4			10	50	36	28	47	35	28	34	27								
		135	3	60	110	60	90-180	548	10.6																			
		145	4	39	76	39	0-180	5136	100.0																			
		155	4	21	44	21																						
		165	5	8	16	8																						
		175	5	4	4	4																						

2', 4', or 8', 3000, 4000, 5000, or 7000 lumens

Cat No:
OWL470L840-UNV-DIM

Report no ¹ :	32779
Output	6790lms
lumens:	4000K
CCT ² :	73 W
Input watts ³ :	94lm/w
Efficacy:	
Comp Yearly	
Energy Cost at	\$2.55
\$0.08/KWh:	

Angle	End	45°	Cross Back-45°	
0	1905	1905	1905	1905
5	1890	1897	1899	1897
15	1821	1840	1850	1840
25	1680	1726	1750	1726
35	1474	1551	1590	1551
45	1218	1332	1387	1332
55	932	1075	1152	1075
65	635	804	898	804
75	350	538	647	538
85	97	295	418	295
95	2	191	319	191
105	3	175	295	175
115	3	149	250	149
125	4	111	196	111
135	4	78	147	78
145	5	51	101	51
155	6	27	59	27
165	7	10	22	10
175	7	6	6	6

Zone	End	45	Cross
45	6914	6765	6849
55	6445	6371	6573
65	5843	5935	6295
75	5032	5493	6125
85	3435	5116	6378

Degrees	Lumens	% Fixture
0-30	1493	22.0
0-40	2459	36.2
0-60	4425	65.2
0-90	6072	89.4
90-120	509	7.5
90-130	606	8.9
90-150	700	10.3
90-180	718	10.6
0-180	6790	100.0

Ceiling		80%			70%			50%		
Wall		70	50	30	70	50	30	50	30	
RC		Zonal cavity method								
RW		Effective floor reflectance = 20%								
Room Cavity Ratio	0	116	116	116	112	112	112	105	105	
	1	105	98	94	101	95	92	90	85	
	2	94	85	79	91	82	76	78	71	
	3	85	75	66	82	72	65	68	60	
	4	79	66	56	75	64	56	59	53	
	5	71	58	50	68	56	48	54	48	
	6	66	53	44	64	51	42	47	40	
	7	61	47	39	58	46	38	44	36	
	8	56	44	34	55	41	34	40	33	
	9	53	40	32	51	39	30	36	29	
10	50	36	28	47	35	28	34	27		

Model	Initial Delivered Lumens @ 25°C Ambient	Input Power	Lumens per Watt	Application Notes
OWL230840-UNV	3205	33	96	Low ceilings, mid ambient
OWL240840-UNV-DIM	4042	47	87	2' length, option to 4' fluorescent
OWL440840-UNV-DIM	3933	37	106	Suitable for most general applications
OWL450840-UNV-DIM	5136	53	98	Equal to a 4' 2x32W fluorescent
OWL470840-UNV-DIM	6790	73	94	Better option to a wide 3-light fluorescent wraparound



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