GLOW-LED

Catalog Number:	GLOW-LED
Project Name:	**Type:**
Note:	ORACLE LIGHTING

UP TO **3000** **LUMENS**

3411 LUMENS

47 WATT

APPLICATION - Glow is a modern form with its sleek and smooth edges. Its clean architectural appearance is versatile and suitable for many applications. Glow can be used in many environments, such as, boardrooms, restaurants, modern condominiums, open ceiling office plans and assisted living facilities. Glow is an ideal solution for an interest in a contemporary aesthetics.

CONSTRUCTION - Rigid aluminum design ensures longevity and endurance plus a high quality, high transmission, glare free lens for smooth illumination. Glow offers a side lit horizontal lens for architectural detail.

PERFORMANCE - The honeycomb light engines found in the Glow are rated at 80+ CRI and are available in multiple CCTs: 3000K, 3500K and 4000K. Rated and tested to LM-79 and LM-80 standards. The LEDs are also binned to a 3-step MacAdam ellipse to achieve consistent color from fixture to fixture.

ELECTRICAL - Powered by high-quality constant-current power LED drivers which are rated for 50 to 60Hz at 120-277V input, produce less than 20% THD, and have a power factor of .90 to 1.00.

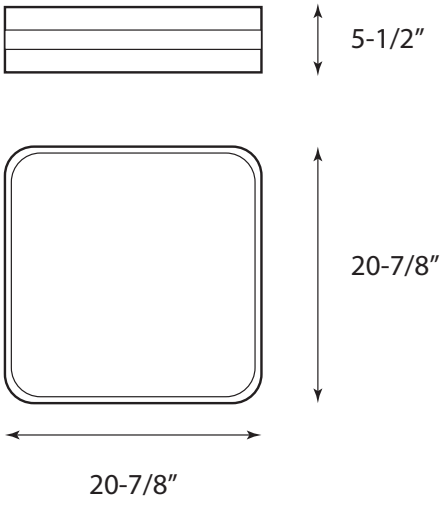
DIMMING - The GLOW-LED comes standard with 0-10V dimming on either in 120 and 277V. 347V please consult factory. Dimmable down to 1% of initial lumens. Also available in Lutron dimming options. Consult factory for dimmer compatibility.

MOUNTING - Comes standard in ceiling mount or adjustable cable suspension system providing fast installation into a variety of interior heights, including sloped ceilings. Consult factory for additional mounting options.

QUALITY CONTROL - Every fixture is rigorously tested by our QC Department before shipping.

WARRANTY - Limited 5 Year Warranty

DIMENSIONS:



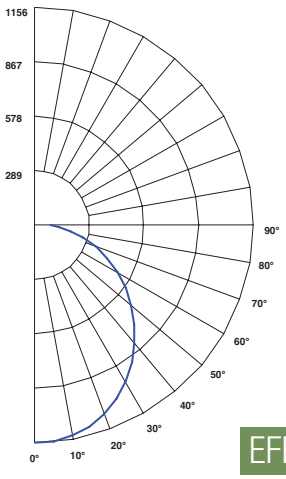
GLOW-LED						
EXAMPLE: GLOW-LED-2-3000L-DIM10-MVOLT-40K-WH-CM						
SERIES	**SIZE**	**LUMENS - DIMMING**	**CCT**	**EMERGENCY**	**COLOR**	**MOUNTING OPTION**
GLOW-LED	☐ **2'**(1.7')	☐ **3000L-DIM10-MVOLT** ☐ **3000L-LUTH-MVOLT** ☐ **3000L-DIMTR-120**	☐ **30K** ☐ **35K** ☐ **40K**	☐ **EMG-LED** Remote Mounted for Surface Mount	☐ **WH** (Matt White) Custom color available, please consult factory. Must provide RAL#	☐ **CM**-Ceiling Mount ☐ **SM**-10' Suspended Mount (Consult factory for other sizes)

PHOTOMETRY DATA

GLOW-LED-2-3000-DIM10-MVOLT-40K-WH

WATTAGE: **46.6** LUMENS: **3411** TOTAL LUMINAIRE EFFICACY: **73**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	887.07	26.00	26.00
0-40°	1444.4	42.40	42.30
0-60°	2548.91	74.80	74.70
0-90°	3410.68	100.10	100.00
0-180°	3410.68	100.10	100.00

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	901	899	890
55°	871	873	864
65°	853	861	849
75°	870	894	877
85°	1231	1361	1270

Candela Tabulation

	0	45	90
0	1155.682	1155.682	1155.682
5	1153.610	1150.740	1148.280
15	1108.290	1103.510	1097.640
25	1017.960	1013.040	1004.710
35	892.630	889.350	880.340
45	744.190	743.230	735.300
55	584.000	585.090	578.810
65	421.380	425.060	419.460
75	263.260	270.490	265.220
85	125.360	138.610	129.320
90	79.960	93.580	84.640

Spacing Criteria

0-180	:	**1.24**
90-270	:	**1.22**
Diagonal	:	**1.36**

EFFICACY: **73 LM/W**

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 20% = PF

ROOM CAVITY RATIO	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%
	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
	1	108	102	97	93	105	100	96	92	96	92	89	92	89	86	88	86	83	81
	2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67
	3	89	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56
	4	81	68	59	52	79	67	59	52	65	57	51	62	56	50	60	54	50	48
	5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
	6	69	55	46	39	67	54	45	39	52	44	39	50	44	38	49	43	38	36
	7	64	50	41	35	62	49	41	34	47	40	34	46	39	34	45	38	34	32
	8	59	46	37	31	58	45	37	31	43	36	31	42	35	30	41	35	30	28
	9	55	42	33	28	54	41	33	28	40	33	28	39	32	27	38	32	27	25
	10	52	39	31	25	51	38	30	25	37	30	25	36	29	25	35	29	25	23

RC - Ceiling Cavity Reflectance RW - Wall Reflectance