

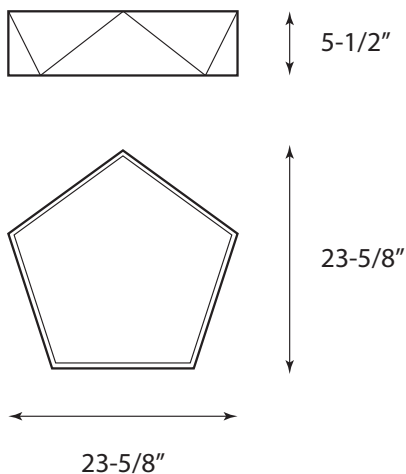
# COSMO-LED

COSMO LED PENDANT SERIES

UP TO  
**1200**  
LUMENS



## DIMENSIONS:



Catalog Number:

Project Name:

Note:

Type:

**ORACLE**  
LIGHTING

**1544**

LUMENS

**26**

WATT

**APPLICATION** - Cosmo offers a sensational mix of modern with flare. Its octagonal shape sets style while adding visual dimension with side panels that sparkle. Cosmo is a great choice for a modern hotel, office, retail space or restaurant. Its unique style will add illuminated characteristics to a wide variety of applications.

**CONSTRUCTION** - Rigid aluminum design ensures longevity and endurance plus a high quality, high transmission, glare free lens for smooth illumination. Cosmo has a side lit sparkle for additional design elements.

**PERFORMANCE** - The honeycomb light engines found in the Cosmo is 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 COSMO-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

## EXAMPLE: COSMO-LED-2-1500L-DIM10-MVOLT-40K-WH-CM

SERIES	SIZE	LUMENS - DIMMING	CCT	EMERGENCY	COLOR	MOUNTING OPTION
COSMO-LED	2' (1.6')	<input type="checkbox"/> 1200L-DIM10-MVOLT <input type="checkbox"/> 1200L-LUTH-MVOLT <input type="checkbox"/> 1200L-DIMTR-120	<input type="checkbox"/> 30K <input type="checkbox"/> 35K <input type="checkbox"/> 40K	<input type="checkbox"/> EMG-LED Remote Mounted for Surface Mount	<input type="checkbox"/> WH (Matt White) Custom color available, please consult factory. Must provide RAL#	<input type="checkbox"/> CM-Ceiling Mount <input type="checkbox"/> SM-10' Suspended Mount (Consult factory for other sizes)

# PHOTOMETRY DATA

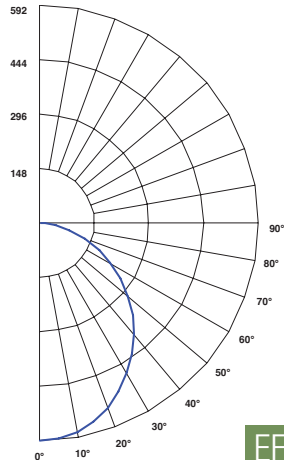
**COSMO-LED-2-1200L-DIM10-MVOLT-40K-WH**

WATTAGE: **25.6**

LUMENS: **1544**

TOTAL LUMINAIRE EFFICACY: **60**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	446.49	29.00	28.90
0-40°	720.24	46.70	46.70
0-60°	1240.52	80.40	80.40
0-90°	1543.82	100.10	100.00
0-180°	1543.82	100.10	100.00

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	430	439	451
55°	396	411	437
65°	358	373	397
75°	274	317	357
85°	144	255	297

Candela Tabulation

	0	45	90
0	591.549	591.549	591.549
5	588.880	590.110	591.160
15	559.120	563.260	567.360
25	504.900	511.580	518.410
35	433.950	442.460	452.220
45	354.970	362.910	372.640
55	265.210	275.300	292.990
65	176.730	184.320	196.220
75	82.770	95.950	107.890
85	14.620	25.960	30.210
90	1.980	1.860	5.690

Spacing Criteria

0-180	: 1.20
90-270	: 1.24
Diagonal	: 1.32

EFFICACY: **60 LM/W**

Coefficients of Utilization - Zonal Cavity Method  
Effective Floor Cavity Reflectance 20% = PF

RC RW	80%				70%				50%				30%				10%				0%			
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	0%	0%	0%
0	119	119	119	119	116	116	116	116	111	111	111	107	107	107	102	102	102	100	100	100	100	100	100	100
1	109	104	100	97	106	102	98	95	98	95	92	94	91	89	90	88	86	84	84	84	84	84	84	84
2	99	91	85	79	97	89	83	78	86	81	76	83	78	74	80	76	73	71	71	71	71	71	71	71
3	91	80	72	66	88	79	71	65	76	69	64	73	68	63	71	66	62	60	60	60	60	60	60	60
4	83	71	63	56	81	70	62	56	68	60	55	65	59	54	63	58	53	51	51	51	51	51	51	51
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	44	44	44	44	44	44	44
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39	39	39	39	39	39	39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35	35	35	35	35	35	35
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31	31	31	31	31	31	31
9	57	44	36	30	56	43	35	30	42	35	30	41	35	30	40	34	30	28	28	28	28	28	28	28
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25	25	25	25	25	25	25

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

