

SIZE	NOMINAL LUMENS	WATTAGE
18"	1800	29W
14"	1600	23W
12"	1400	18W

Based on 4000K, 85+ CRI. Actual wattage may vary +/- 5%

**FEATURES**

The OMSD1 is the ideal replacement for traditional incandescent surface mount fixtures. 3" height for a low-profile look. Ideal for bedrooms, stairways, hallways, and other commercial and residential applications.

<b>LUMENS</b>	12" - 1400L 14" - 1600L 18" - 1800L
<b>CCT</b>	30K, 40K
<b>CRI</b>	90+
<b>COLOR QUALITY</b>	3 Step MacAdam Ellipse
<b>SIZE</b>	12", 16" and 18"
<b>MOUNTING</b>	Surface Mount
<b>DIMMING &amp; CONTROL</b>	DIMTR
<b>LIFETIME</b>	L70 at 50,000 Hours
<b>PHOTOMETRIC TESTS</b>	In Accordance with IES LM79-08, LM80 and TM-30, TM-21

**CONSTRUCTION**

Durable steel body. Satin nickel finish standard.

**OPTICS**

PMMA lens for glare-free, even distribution.

**QUICK, EASY INSTALLATION**

Includes all necessary mounting hardware. Fast, easy, installation that can be completed by one qualified professional.

**LISTINGS**

Energy Star  
Damp Location



# OMSD1-LED

## LED Flush Mount Mushroom

Example: **OMSD1-LED-12-1400L-DIMTR-120-40K-90**

<b>OMSD1</b>	<b>LED</b>						
SERIES	TYPE	FIXTURE SIZE	LUMENS	DIMMING	VOLTAGE	CCT	CRI
<b>OMSD1</b> - LED Surface Mount Mushroom	<b>LED</b>	<b>12 - 12"</b> <b>14 - 14"</b> <b>18 - 18"</b>	<b>12" FIXTURE</b> <b>1400L- 1588 lumens</b>  <b>16" FIXTURE</b> <b>1600L- 1900 lumens</b>  <b>18" FIXTURE</b> <b>1800L-1945 lumens</b>	<b>DIMTR</b> - Triac Dimming	<b>120</b>	<b>30K</b> <b>40K</b>	<b>90</b>

**OMSD1-LED-12-1400L-120-40K-90**

INPUT WATTS: **18.1**

LUMENS: **1588**

CRI: **90**

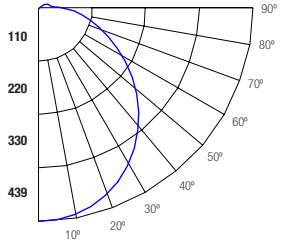
EFFICACY: **88**

CCT: **4000K**

TEST NO.: **EL07091926**

SPACING CRITERIA: **1.38**

**Candle Power Distribution (Candelas)**



**Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixt
0-20	160.47	10.10	10.10
0-30	340.83	21.50	21.50
0-40	558.69	35.20	35.20
0-60	998.29	62.90	62.90
0-80	1313.04	82.80	82.70
0-90	1411.04	88.90	88.90

**Luminance (Average candela/M<sup>2</sup>)**

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	5789	5928	5905
55	5749	5925	5882
65	5922	6152	6074
75	7015	7320	7186
85	14491	15188	14854

**Lumens Per Zone**

Zone	Lumens
0-10	41.54
10-20	118.93
20-30	180.36
30-40	217.86
40-50	227.79
50-60	211.81
60-70	177.69
70-80	137.06
80-90	98.00

**Candela Tabulation**

0	
0	439.382
5	438.230
15	423.200
25	394.010
35	351.370
45	298.950
55	240.850
65	182.780
75	132.600
85	92.240
90	74.800

**Coefficients of Utilization - Zonal Cavity Method**

Effective Floor Cavity Reflectance 0.20

ROOM CAVITY RATIO	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	117	117	117	117	117	113	113	113	113	105	105	105	98	98	98	92	92	92	89	89	89	89
1	104	99	93	89	89	100	95	91	86	89	85	82	83	80	77	77	75	73	70	70	70	70
2	94	85	77	71	71	90	82	75	69	77	71	66	72	67	63	67	63	60	57	57	57	57
3	85	74	65	58	58	82	72	64	57	67	60	55	63	57	52	59	54	50	47	47	47	47
4	78	65	56	49	49	75	63	55	48	59	52	46	56	49	44	52	47	43	40	40	40	40
5	72	58	49	42	42	69	56	48	41	53	45	40	50	43	38	47	41	37	34	34	34	34
6	66	52	43	36	36	63	51	42	36	48	40	35	45	38	33	42	37	32	30	30	30	30
7	61	47	38	32	32	59	46	38	32	43	36	31	41	34	30	39	33	29	26	26	26	26
8	57	43	34	28	28	55	42	34	28	40	32	27	38	31	26	36	30	26	23	23	23	23
9	53	39	31	26	26	51	38	31	25	36	29	24	35	28	24	33	27	23	21	21	21	21
10	50	36	28	23	23	48	35	28	23	34	27	22	32	26	22	30	25	21	19	19	19	19

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

**OMSD1-LED-18-1800L-120-30K-90**

INPUT WATTS: **29.6**

LUMENS: **1945**

CRI: **90**

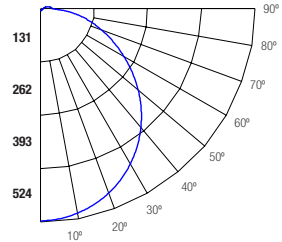
EFFICACY: **66**

CCT: **3000K**

TEST NO.: **EL05291989**

SPACING CRITERIA: **1.42**

**Candle Power Distribution (Candelas)**



**Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixt
0-20	191.37	9.80	9.80
0-30	408.69	21.00	21.00
0-40	674.78	34.70	34.70
0-60	1224.22	62.90	62.90
0-80	1622.01	83.40	83.40
0-90	1741.32	89.50	89.50

**Luminance (Average candela/M<sup>2</sup>)**

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	28316	27940	27855
55	28362	27873	27767
65	29336	28709	28565
75	34370	33434	33229
85	68534	66164	65699

**Lumens Per Zone**

Zone	Lumens
0-10	49.35
10-20	142.02
20-30	217.32
30-40	266.09
40-50	282.76
50-60	266.68
60-70	225.37
70-80	172.43
80-90	119.31

**Candela Tabulation**

0	
0.0	521.269
5.0	519.700
15.0	503.160
25.0	471.180
35.0	424.670
45.0	365.580
55.0	297.030
65.0	226.370
75.0	162.420
85.0	109.060
90.0	85.990

**Coefficients of Utilization - Zonal Cavity Method**

Effective Floor Cavity Reflectance 0.20

ROOM CAVITY RATIO	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	117	117	117	117	117	113	113	113	113	105	105	105	99	99	99	92	92	92	89	89	89	89
1	104	98	93	89	89	100	95	91	86	89	85	82	83	80	77	78	75	73	70	70	70	70
2	94	85	77	71	71	90	82	75	69	77	71	66	72	67	63	67	63	60	57	57	57	57
3	85	74	65	58	58	82	71	63	57	67	60	54	63	57	52	59	54	50	47	47	47	47
4	78	65	56	49	49	75	63	54	48	59	52	46	55	49	44	52	47	42	40	40	40	40
5	72	58	49	42	42	68	56	47	41	53	45	39	50	43	38	47	41	37	34	34	34	34
6	66	52	43	36	36	63	50	42	35	48	40	34	45	38	33	42	37	32	30	30	30	30
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9	53	39	31	25	25	51	38	30	25	36	29	24	34	28	23	33	27	23	21	21	21	21
10	49	36	28	23	23	48	35	28	22	33	27	22	32	26	21	30	25	21	19	19	19	19

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance