EUL-LED UNDER CABINET LIGHTING SERIES

1-1/2 Inch LED Under Cabinet

Catalog Number	EUL-LED		
Project Name		Type	

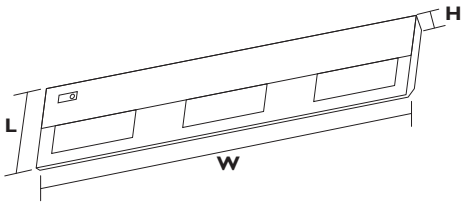
This versatile series of super bright LED under cabinet lighting fixture is only 1-1/2 inch in depth is designed for shallow spaces where higher levels of light is required.

FEATURES:

- Knockouts available at the back, side and rear for easy installation
- Driver installed in the fixture
- Aluminum Extrusion body
- 120V 60 Lumens per watt
- Plug-in or hard wire
- Frosted lens
- 3000K led module is standard

Example: **EUL-LED-8-WH**

LED-EUL			
TYPE	**LENGTH (WATT, COLOR TEMP)**	**COLOR OPTION**	**FIXTURE DIMENSION**
EUL-LED	☐ 8" (6W, 120V, 3000K LED) ☐ 16" (9W, 120V, 3000K LED) ☐ 24" (12W, 120V, 3000K LED) ☐ 32" (16W, 120V, 3000K LED)	☐ White (WH) ☐ Satin Nickel (SN) ☐ Bronze (BZ)	8" L X 4-1/2" W X 1-1/2" H 16" L X 4-1/2" W X 1-1/2" H 24" L X 4-1/2" W X 1-1/2" H 32" L X 4-1/2" W X 1-1/2" H

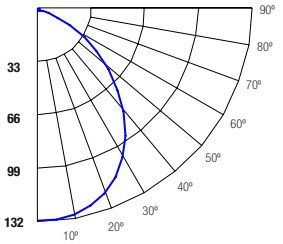


EUL-LED-8

TEST NO.: **IESNA:LM-79-08**

INPUT WATTS: **6.3** LUMENS: **289** CRI: **80+** EFFICACY: **46** CCT: **4000K** SPACING CRITERIA: **1.26**

Candle Power Distribution (Candelas)



Cone of Light		
4.0	8.26	8.9 ft
8.0	2.07	17.8 ft
12.0	0.92	26.6 ft
16.0	0.52	35.5 ft
20.0	0.33	4.44 ft
24.0	0.23	5.33 ft
Distance to Plane	Initial Footcandle at Nadir	Beam diameter

BEAM DIA. MEASURED AT 50% OF NADIR F.C.

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	48.42	16.80	16.70
0-30	101.46	35.20	35.10
0-40	161.00	55.80	55.70
0-60	254.49	88.20	88.00
0-80	284.03	98.50	98.20
0-90	285.48	99.00	98.70

Luminance (Average candela/M²)

Angle in Degrees	Average 0º	Average 45º	Average 90º
45	89	86	76
55	73	66	51
65	60	44	23
75	45	21	8
85	26	5	3

Lumens Per Zone

Zone	Lumens
0-10	12.55
10-20	35.87
20-30	53.04
30-40	59.53
40-50	54.24
50-60	39.25
60-70	21.41
70-80	8.13
80-90	1.45

Candela Tabulation

	0
0	132.211
5	132.110
15	126.370
25	114.620
35	96.970
45	73.140
55	49.190
65	29.540
75	13.470
85	2.630
90	0.240

Coefficients of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance 0.20

	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%
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
	1	111	107	103	100	108	104	101	98	100	97	95	96	94	92	92	90	89	87
	2	102	95	89	84	99	93	88	83	89	85	81	86	82	79	83	80	77	75
	3	94	85	78	72	92	83	77	71	80	74	70	77	72	68	75	71	67	65
	4	87	76	68	62	85	75	67	62	72	66	61	70	64	60	68	63	59	57
	5	80	69	61	55	78	68	60	54	65	59	53	63	57	53	61	56	52	50
	6	75	62	54	48	73	61	54	48	59	53	48	58	52	47	56	51	47	45
	7	69	57	49	43	68	56	48	43	54	48	43	53	47	42	52	46	42	40
	8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38	36
	9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	38	34	33
	10	57	45	37	32	56	44	37	32	43	36	32	42	36	32	41	35	31	30

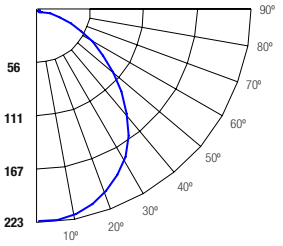
***RC** - Ceiling Cavity Reflectance* ***RW** - Wall Reflectance*

EUL-LED-16

TEST NO.: **IESNA:LM-79-08**

INPUT WATTS: **9.3** LUMENS: **476** CRI: **80+** EFFICACY: **51** CCT: **4000K** SPACING CRITERIA: **1.26**

Candle Power Distribution (Candelas)



Cone of Light		
4.0	13.9	8.6 ft
8.0	3.48	17.2 ft
12.0	1.55	25.9 ft
16.0	0.87	34.5 ft
20.0	0.56	43.1 ft
24.0	0.39	51.7 ft
Distance to Plane	Initial Footcandle at Nadir	Beam diameter

BEAM DIA. MEASURED AT 50% OF NADIR F.C.

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	81.30	17.10	17.10
0-30	169.87	35.80	35.70
0-40	268.17	56.50	56.30
0-60	417.71	88.00	87.80
0-80	467.44	98.50	98.20
0-90	470.03	99.00	98.80

Luminance (Average candela/M²)

Angle in Degrees	Average 0º	Average 45º	Average 90º
45	145	139	121
55	121	105	77
65	97	69	43
75	73	40	21
85	33	11	6

Lumens Per Zone

Zone	Lumens
0-10	21.12
10-20	60.18
20-30	88.57
30-40	98.31
40-50	87.26
50-60	62.28
60-70	35.16
70-80	14.57
80-90	2.58

Candela Tabulation

	0
0	222.644
5	222.380
15	211.750
25	191.470
35	161.450
45	119.910
55	80.820
65	47.770
75	22.030
85	3.350
90	0.240

Coefficients of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance 0.20

	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%
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
	1	111	107	103	100	108	104	101	98	100	97	95	96	94	92	92	90	89	87
	2	102	95	89	84	99	93	88	83	89	85	81	86	82	79	83	80	77	75
	3	94	85	78	72	92	83	77	71	80	75	70	77	73	69	75	71	67	65
	4	87	76	68	62	85	75	68	62	72	66	61	70	64	60	68	63	59	57
	5	81	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	52	50
	6	75	63	54	49	73	62	54	48	60	53	48	58	52	47	56	51	47	45
	7	70	57	49	43	68	56	49	43	55	48	43	53	47	42	52	46	42	40
	8	65	52	45	39	63	52	44	39	50	44	39	49	43	38	48	42	38	36
	9	61	48	41	36	60	48	40	35	47	40	35	45	39	35	44	39	35	33
	10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	41	36	32	30

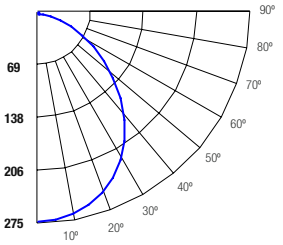
***RC** - Ceiling Cavity Reflectance* ***RW** - Wall Reflectance*

EUL-LED-24

TEST NO.: **IESNA:LM-79-08**

INPUT WATTS: **11.9** LUMENS: **623** CRI: **80+** EFFICACY: **52** CCT: **4000K** SPACING CRITERIA: **1.28**

Candle Power Distribution (Candelas)



Cone of Light		
4.0	17.2	9.2 ft
8.0	4.30	18.4 ft
12.0	1.91	27.7 ft
16.0	1.08	36.9 ft
20.0	0.69	46.1 ft
24.0	0.48	55.3 ft
Distance to Plane	Initial Footcandle at Nadir	Beam diameter

BEAM DIA. MEASURED AT 50% OF NADIR F.C.

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	100.09	16.10	16.10
0-30	210.35	33.80	33.70
0-40	336.35	54.10	54.00
0-60	538.18	86.50	86.30
0-80	611.18	98.30	98.00
0-90	615.41	99.00	98.70

Luminance (Average candela/M²)

Angle in Degrees	Average 0º	Average 45º	Average 90º
45	191	185	163
55	162	146	112
65	133	101	69
75	103	62	36
85	56	19	12

Lumens Per Zone

Zone	Lumens
0-10	26.01
10-20	74.07
20-30	110.27
30-40	126.00
40-50	115.79
50-60	86.03
60-70	51.06
70-80	21.94
80-90	4.23

Candela Tabulation

	0
0	275.272
5	274.150
15	262.270
25	239.220
35	205.070
45	157.800
55	108.710
65	65.600
75	31.090
85	5.670
90	0.380

Coefficients of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance 0.20

	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%
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
	1	110	106	103	99	108	104	100	97	99	97	94	95	93	91	92	90	88	86
	2	101	94	88	83	99	92	87	82	89	84	80	85	81	78	82	79	76	74
	3	93	84	77	71	91	82	75	70	79	73	69	76	71	67	74	70	66	64
	4	86	75	67	61	84	74	66	61	71	65	60	69	63	59	67	62	58	56
	5	80	68	59	53	77	67	59	53	64	58	52	62	56	52	60	55	51	49
	6	74	61	53	47	72	60	53	47	59	52	46	57	51	46	55	50	45	43
	7	69	56	48	42	67	55	47	42	54	47	41	52	46	41	51	45	41	39
	8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35
	9	60	47	39	34	59	47	39	34	45	39	34	44	38	34	43	38	33	32
	10	56	44	36	31	55	43	36	31	42	35	31	41	35	31	40	35	31	29

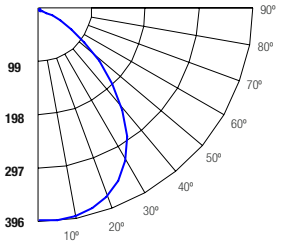
***RC** - Ceiling Cavity Reflectance* ***RW** - Wall Reflectance*

PHOTOMETRY DATA

EUL-LED-32 TEST NO.: **IESNA:LM-79-08**

INPUT WATTS: **16.4** LUMENS: **894** CRI: **80+** EFFICACY: **55** CCT: **4000K** SPACING CRITERIA: **1.30**

Candle Power Distribution (Candelas)



Cone of Light		
4.0	24.6	9.1 ft
8.0	6.15	18.2 ft
12.0	2.73	27.3 ft
16.0	1.54	36.3 ft
20.0	0.98	45.4 ft
24.0	0.68	54.5 ft
Distance to Plane	Initial Footcandle at Nadir	Beam diameter

BEAM DIA. MEASURED AT 50% OF NADIR F.C.

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	145.85	16.30	16.30
0-30	308.15	34.50	34.50
0-40	493.46	55.30	55.20
0-60	780.53	87.50	87.30
0-80	878.83	98.50	98.30
0-90	884.65	99.20	98.90

Luminance (Average candela/M^2)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	271	267	236
55	229	203	156
65	186	135	88
75	135	84	45
85	65	32	20

Lumens Per Zone

Zone	Lumens
0-10	37.56
10-20	108.29
20-30	162.30
30-40	185.31
40-50	166.74
50-60	120.33
60-70	68.97
70-80	29.32
80-90	5.83

Candela Tabulation

	0
0	393.482
5	392.420
15	378.230
25	345.280
35	293.480
45	223.730
55	153.200
65	91.810
75	40.950
85	6.600
90	0.380

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

	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%
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
	1	110	106	103	99	108	104	101	98	100	97	95	96	93	91	92	90	89	87
	2	102	95	89	84	99	93	87	83	89	84	80	86	82	79	83	79	77	75
	3	94	84	77	71	91	83	76	71	80	74	69	77	72	68	74	70	67	65
	4	86	76	68	62	84	74	67	61	72	65	60	69	64	59	67	62	58	56
	5	80	68	60	54	78	67	59	54	65	58	53	63	57	52	61	56	52	50
	6	74	62	54	48	72	61	53	47	59	52	47	57	51	47	56	50	46	44
	7	69	56	48	43	67	56	48	42	54	47	42	53	46	42	51	46	41	39
	8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37	36
	9	60	48	40	35	59	47	40	35	46	39	34	45	39	34	44	38	34	32
	10	57	44	37	32	55	44	36	32	43	36	31	42	36	31	41	35	31	29

RC *- Ceiling Cavity Reflectance* ***RW*** *- Wall Reflectance*

Due to the changes of constant improvement in LED technology, all details are subject to change without notice.
Consult factory for up to date information.