

ON-SITE ADJUSTABLE LUMEN PACKAGE

Simply adjust the desired lumen output on top of the fixture



ADJUSTABLE HOUSING CLIPS

Allow for installation in a different architectural housing apertures (8" and 9")

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
2000	2567	25W
1500	1782	16W
1000	1154	10W

Based on 4000K, 90+ CRI. Actual wattage may vary +/- 5%

FEATURES

The RL series lumen-selectable baffle downlight has a shallow profile and requires no housing, making it ideal for shallow plenum ceilings. A field-adjustable lumen-selectable switch includes lumen packages in 750L/1100L/1500L (6") and 2000L/1500L/1000L (8"). The lumen-selectable switch is built-in to the top of fixture; simply lower luminaire from opening to easily adjust intensity. Adjustable housing clips allow for installation of 8" into 8" or 9" openings. Available in 6" and 8" apertures and 3 color temperatures, making it ideal for residential, retail, and healthcare applications.

LUMENS	1000/1500/2000
CCT	30K, 35K, 40K
CRI	90+
COLOR QUALITY	3 Step MacAdam Ellipses
TRIM	Aluminum die-cast body and trim
COLORS	WH (White)
EMERGENCY	EMC-LED-G-25W-HV-FLEX-EMERGENCY LED DRIVER
LIFETIME	L70 at 50,000 Hours
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30, TM-21

OPTICS

A regressed baffle and frosted lens provide glare-free, even illumination.

FIELD-ADJUSTABLE LUMEN-SELECTABLE SWITCH

Simply lower luminaire from opening and flip switch on top of the fixture to easily adjust the lumen output, allowing for precise control over the mood of any environment.

ADJUSTABLE HOUSING CLIPS

Allow for fast, easy installation and upgrading in a range of apertures for 8" (8" and 9") and 6" (6").

THERMAL MANAGEMENT

Die-cast system pulls heat from the LED module, prolonging overall lifetime.

INSTALLATION

No housing required. Junction box and whip come standard.

DIMMING

Non-dimmable.

ELECTRICAL

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

WARRANTY

5-year warranty for parts and components. (Labor not included)

LISTINGS

Energy Star
cULus
Title 24
JA8
Damp Location

EXAMPLE: **RL842-1000L/1500L/2000L-MVOLT-30K-90-W-WH**

TYPE	LUMEN	VOLTAGE	CCT	CRI	FINISH
RL842	1000L/1500L/2000L	MVOLT Non-dimmable	30K 35K 40K	90+	W-WH-White

*COMPATIBLE WITH EMC-LED-G-25W-HV-FLEX-EMERGENCY LED DRIVER

RL842-1000L-1500L-2000L-DIMST-MVOLT-40K-90-W-WH(1000L)

INPUT WATTS: **10**

LUMENS: **1154**

CRI: **90**

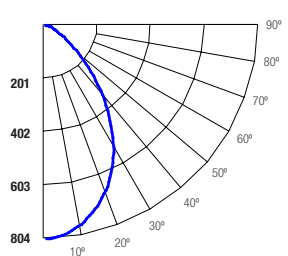
EFFICACY: **112**

CCT: **4000K**

TEST NO.: **EL05072012**

SPACING CRITERIA: **1.08**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	279.59	24.2	24.2
0-30	558.96	48.5	48.5
0-40	830.32	72	72
0-60	1109.65	96.2	96.2
0-80	1152.45	99.9	99.9
0-90	1152.48	99.9	99.9

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	113263	116112	119034
55	56218	57799	58229
65	25538	26198	27361
75	5449	6097	6520
85	79	79	79

Lumens Per Zone

Zone	Lumens
0-10	75
10-20	204.59
20-30	279.37
30-40	271.36
40-50	188.17
50-60	91.15
60-70	35.45
70-80	7.35
80-90	0.02

Candela Tabulation

0	90
803.75	0
789.86	5
718.9	15
596.32	25
421.03	35
233.97	45
94.2	55
31.53	65
4.12	75
0.02	85
0.02	90

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%	50%	30%	10%	50%	30%	10%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	102	100	100	100
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	93	93	93	91	91	91	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	83	83	83	81	81	81	81
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	75	75	75	73	73	73	73
4	92	82	76	71	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	66	66	66	66
5	86	76	69	63	84	75	68	63	73	67	62	71	66	62	69	65	61	61	61	61	59	59	59	59
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	56	56	56	54	54	54	54
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	51	51	51	49	49	49	49
8	71	60	52	48	69	59	52	47	58	52	47	57	51	47	56	50	47	47	47	47	45	45	45	45
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	43	43	43	42	42	42	42
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	44	40	40	40	40	38	38	38	38

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

RL842-1000L-1500L-2000L-DIMST-MVOLT-40K-90-W-WH(1500L)

TEST NO.: EL05072012

INPUT WATTS: 16.5

LUMENS: 1782

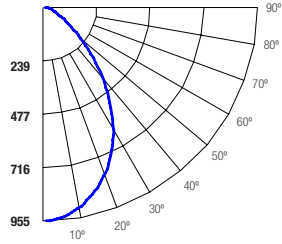
CRI: 90

EFFICACY: 108

CCT: 4000K

SPACING CRITERIA: 1.08

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	431.7	24.2	24.2
0-30	863.16	48.4	48.4
0-40	1282.48	72	72
0-60	1714.15	96.2	96.2
0-80	1780.36	99.9	99.9
0-90	1780.38	99.9	99.9

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	175159	179731	184052
55	87066	89468	90247
65	39534	40636	42377
75	8385	9602	10078
85	118	98	118

Lumens Per Zone

Zone	Lumens
0-10	115.8
10-20	315.89
20-30	431.46
30-40	419.33
40-50	290.76
50-60	140.9
60-70	54.82
70-80	11.39
80-90	0.03

Candela Tabulation

Q	
0	1240.12
5	1221.27
15	1110.32
25	922.18
35	651.01
45	361.83
55	145.89
65	48.81
75	6.34
85	0.03
90	0.03

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

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	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91			
	2	10	599	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81			
	3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73			
	4	92	82	76	71	90	81	75	70	79	73	69	77	72	68	75	71	67	66			
	5	86	76	69	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59			
	6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54			
	7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49			
8	71	60	52	48	69	59	52	47	58	52	47	57	51	47	56	50	47	45				
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42				
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	44	40	38				

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

RL842-1000L-1500L-2000L-DIMST-MVOLT-40K-90-W-WH(2000L)

TEST NO.: EL05072012

INPUT WATTS: 25

LUMENS: 2567

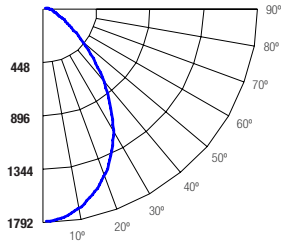
CRI: 90

EFFICACY: 100

CCT: 3500K

SPACING CRITERIA: 1.08

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	623.27	24.3	24.3
0-30	1245.95	48.5	48.5
0-40	1850.18	72.1	72.1
0-60	2470.32	96.2	96.2
0-80	2564.86	99.9	99.9
0-90	2564.89	99.9	99.9

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	255359	261974	265781
55	126943	130530	130375
65	57588	58888	61015
75	9708	13272	14178
85	118	118	118

Lumens Per Zone

Zone	Lumens
0-10	167.22
10-20	456.05
20-30	622.68
30-40	604.24
40-50	417.98
50-60	202.15
60-70	78.55
70-80	15.99
80-90	0.04

Candela Tabulation

Q	
0	1789.07
5	1765.95
15	1610.42
25	1340.27
35	949.66
45	527.5
55	212.71
65	71.1
75	7.34
85	0.03
90	0.04

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

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	113	111		106	106		102	102		100			
	1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91			
	2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81			
	3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73			
	4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66			
	5	86	76	69	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59			
	6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54			
	7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49			
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	45				
9	67	55	48	44	66	55	48	44	54	48	44	53	47	43	52	47	43	42				
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	44	40	38				

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance