

**FEATURES**

Intelligent emergency light, 90 minute operation from battery, 24 hours recharge time. Ideal for hotel, dining room, guest room, office, show room, shop, and corridor.

APERTURE	7"
LUMENS	900
WATTAGE	15W
CCT	30K
CRI	90+
COLOR QUALITY	3-Step MacAdam Ellipse
FINISH	White
DIMMING	DIMTR (Triac)
LIFETIME	50,000 Hours

- 5/8" thick luminaire, 15W, 900Lm
- 100%-10% dimming capability, this fixture is compatible with industry standard TRIAC/ELVdimmers
- Lifetime rated for greater than 50,000 hours
- Input voltage: AC 120V 50/60Hz
- Edge-lit technology to produce a smooth uniform lighting effect
- High quality plastic material
- Over-charge/ discharge protection
- Durable die-cast aluminum material
- Self test function
- Lithium battery backup module
- 24 hours recharge time
- ≥90 minutes operation from battery
- Switching time: <1 second
- Five-year warranty for parts and components. (Labor not included)

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
900	950	16W

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

EXAMPLE: **RL790-900L-DIMTR-120-30K-90-WH-EMG-LED**

TYPE	LUMEN	CCT	CRI	FINISH	EMERGENCY
RL790	<input type="checkbox"/> 900L-DIMTR-120	<input type="checkbox"/> 30K	<input type="checkbox"/> 90+	<input type="checkbox"/> WH (White)	<input type="checkbox"/> EMG-LED



**COMPATIBLE JUNCTION BOXES**



**Pancake J-Box (Metal)**



**3.5" Round (Plastic)**



**4" Square (Plastic)**



**4" Octagonal (Metal)**



**4" Square (Metal)**



**Fire Rated J-Box**

**Note:** A 2-1/8" deep octagon junction box is recommended for through circuit wiring applications.

**PHOTOMETRIC**

**RL790-900L-DIMTR-120-30K-90-WH-EMG-LED**

**TEST NO.: EL09121972**

**INPUT WATTS: 15.7**

**LUMENS: 950**

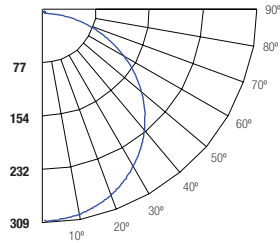
**CRI: 90**

**EFFICACY: 60**

**CCT: 4000K**

**SPACING CRITERIA: 1.42**

**Candle Power Distribution (Candelas)**



**Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixt
0-20	113.13	11.90	11.90
0-30	241.65	25.40	25.40
0-40	398.73	42.00	42.00
0-60	717.87	75.60	75.60
0-80	912.58	96.10	96.10
0-90	937.91	98.80	98.80

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

Angle in Degrees	Average		
	0°	45°	90°
45	16493	16355	16399
55	16161	15992	15996
65	15518	15210	15286
75	14214	13850	13962
85	13303	12430	12549

**Lumens Per Zone**

Zone	Lumens
0-10	29.14
10-20	83.99
20-30	128.53
30-40	157.07
40-50	165.84
50-60	153.30
60-70	120.55
70-80	74.16
80-90	25.33

**Candela Tabulation**

0	
0	307.072
5	307.230
15	297.000
25	277.550
35	249.130
45	212.940
55	169.250
65	119.740
75	67.170
85	21.170
90	2.770

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

Cone of Light			
2	76.8	6.5	6.6
4	19.2	13	13.1
6	8.53	19.5	19.7
8	4.8	26	26.2
10	3.07	32.5	32.8
12	2.13	38.9	39.3

ROOM CAVITY RATIO	RC	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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	99	99	99				
1	1	108	103	98	94	105	100	96	93	96	93	89	92	89	86	88	86	84	81	81	81				
2	2	98	89	82	76	95	87	81	75	83	78	73	80	75	71	77	73	69	67	67	67				
3	3	89	78	70	63	86	76	68	62	73	66	61	70	64	60	67	63	58	56	56	56				
4	4	81	69	60	53	79	67	59	52	65	57	52	62	56	51	60	54	50	48	48	48				
5	5	75	61	52	45	72	60	52	45	58	50	44	56	49	44	54	48	43	41	41	41				
6	6	69	55	46	39	67	54	45	39	52	44	39	50	44	38	49	43	38	36	36	36				
7	7	64	50	41	35	62	49	41	35	47	40	34	46	39	34	44	38	34	31	31	31				
8	8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28	28	28				
9	9	55	42	33	28	54	41	33	28	40	33	27	39	32	27	38	31	27	25	25	25				
10	10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23	23	23				

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

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance