

ELM-LED-816

LED Emergency Light with Battery Back-Up & Self-Diagnostic

Emergency Lighting

Catalog Number:

Project Name:

Type:

Note:

MAXILUME
ARCHITECTURAL LIGHTING



FEATURES

This fixture is an excellent choice when an attractive emergency light is required. In cases of AC power loss, it provides a minimum of 90 minutes illumination. A trouble-free lead-calcium battery is provided with the fixture. The LED heads may be adjusted through the full range of motion because of the special swivel-track design.

BODY

- The thermoplastic housing of the product makes it corrosion-proof and scratch-and impact-resistant.
- UV-stabilization prevents discoloration of the product.
- Compartment shaped by injection.
- Power may be supplied via wall or ceiling

FACE

- The face has two square LED heads that are fit into bevels on either side and each has a reflector and diffuser

MOUNTING

- Unique "snap-together" universal mounting design permits top, back and side mounting. Necessary hardware and canopy are provided electrical

ELECTRICAL

- 120V or 277V Dual Input
- Reset is automatic
- Hassle-free wiring without the need for additional hardware

LAMPS

- Standard model LED Lamp head 1W
- Emergency Light Fixtures: Two moveable glare free light heads that have a positioning lock.

BATTERY

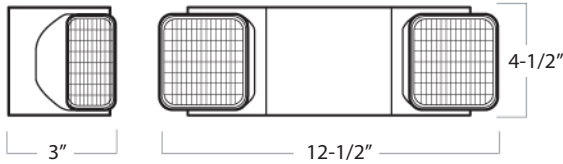
- Indicator light shows high charge and readiness for operation
- 6V, 4 amp-hour sealed-lead acid battery works during power failures
- Replaceable and requires no maintenance
- When completely charged, supplies emergency power for 90 minutes.

TESTING

- Test Button
- Solid state line latched low voltage disconnect to avoid deep discharge
- Safeguarded against short circuits
- Power is automatically interrupted in cases of brown-out

LISTED

- UL 924, NFPA, NEC, State & Municipal
- Damp location approved



ELM-LED-816 - ITEM SELECTOR: (Please check the boxes below for the option desired)

HOUSING COLOR	CANOPY
<input type="checkbox"/> W - White	UNIVERSAL MOUNT TO WALL OR CEILING
<input type="checkbox"/> B - Black	

Specified:

ELM-LED-816

HOUSING COLOR



MAXILUME
ARCHITECTURAL LIGHTING

A division of
Elite Lighting

Submittal form is available @ www.maxilume.com
Tel: 323-888-1973 • Fax: 323-888-1977

Specifications and Dimensions
subject to change without notice.

REV: MAXILUME-SPEC-03-10-2011

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TEST NO.: EL01212058

INPUT WATTS: 2.7

LUMENS: 123

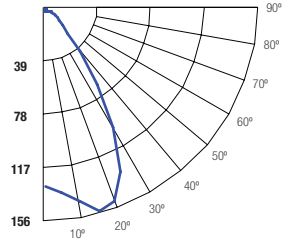
CRI: N/A

EFFICACY: 45

CCT: N/A

SPACING CRITERIA: 0.84

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	36.79	30.20	30.00
0-30	67.40	55.20	55.00
0-40	88.41	72.50	72.10
0-60	109.41	89.70	89.20
0-80	118.53	97.20	96.70
0-90	120.13	98.50	98.00

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	1778	2143	2928
55	1399	1804	1910
65	1216	1499	1639
75	586	1433	1517
85	740	1345	2998

Lumens Per Zone

Zone	Lumens
0-10	10.05
10-20	26.75
20-30	30.60
30-40	21.01
40-50	12.42
50-60	8.58
60-70	5.74
70-80	3.38
80-90	1.60

Candela Tabulation

Q	
0	106.653
5	98.230
15	56.140
25	27.630
35	17.430
45	11.690
55	7.460
65	4.780
75	1.410
85	0.600
90	0.370

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

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		119	119	119	119	116	116	116	116	111	111	111	111	105	105	105	101	101	101	101	98				
1		112	108	105	102	109	106	103	100	101	99	96	96	97	95	93	93	91	90	90	88				
2		104	98	93	89	102	96	91	87	92	88	85	85	89	86	83	86	83	81	81	79				
3		98	90	83	78	95	88	82	78	85	80	76	76	82	78	75	79	76	73	73	71				
4		92	82	75	70	89	81	75	70	78	73	69	69	76	71	68	74	70	67	67	65				
5		86	76	69	64	84	75	68	63	73	67	62	62	71	66	62	69	64	61	61	59				
6		81	70	63	58	79	69	63	58	68	62	57	57	66	61	57	64	60	56	56	54				
7		76	66	59	54	75	65	58	53	63	57	53	53	62	56	52	60	56	52	50					
8		72	61	54	50	71	61	54	49	59	53	49	49	58	53	49	57	52	48	47					
9		69	57	51	46	67	57	50	46	56	50	46	46	55	49	45	54	49	45	44					
10		65	54	47	43	64	54	47	43	52	47	43	43	52	46	42	51	46	42	41					

Cone of Light

Beam Dia. (ft)	Beam Dia. (m)	Beam Dia. (ft)	Beam Dia. (m)
2	36.9	1.0	2.1
4	9.79	1.9	4.1
6	4.27	2.8	6.1
8	2.38	3.8	8.2
10	1.55	4.7	10.2
12	1.07	5.7	12.3

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

RC - Ceiling Cavity Reflectance RW - Wall Reflectance