

ELM-LED-860

LED Adjustable Optics Emergency Unit

Architectural

Catalog Number:

Project Name:

Type:

Note:

MAXILUME



FEATURES

This damp location LED emergency light is resistant to corrosive atmospheres, non-hazardous dust environments.

High-output LED lamps are used as part of a new lamp-head design.

A full range of manual adjustment is made possible by the swivel-and-point lamp-head design.

If AC power is lost, the fixture provides at least 90 minutes of illumination and will automatically recharge after discharge. The operation of the product can easily be monitored and controlled with the use of a conveniently located test switch that indicates charge and diagnostic state. LED and PC circuits have a rating of about 25 years without a drop in illumination.

BODY

- The thermoplastic housing of the product makes it corrosion-proof and scratch-and impact-resistant.
- UV-stabilization prevents discoloration of the product.
- 5VA Flame Retardant
- Molded by injection.
- Available in White & Black

MOUNTING

- Surface mount via easy connect back plate, which fits most standard junction boxes and snaps into place making internal electrical connection. Suitable for wall or ceiling mount.

ELECTRICAL

- 120V or 277V Dual Input
- Charge rate/power ON LED indicator and push-to-test switch

LIGHT SOURCE

- Ultra-bright white LED lamp heads

BATTERY

- Rechargeable NiCd Battery
- Two-rate charger initiates battery charging to recharge a battery in 24 hours.
- Internal transfer switch automatically connects the internal battery to LED for minimum 90-minute emergency illumination

TESTING

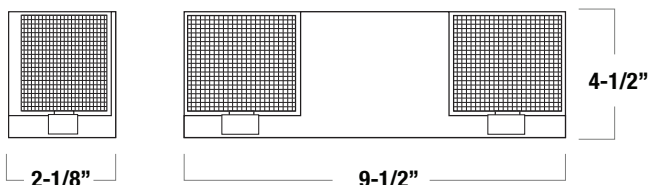
- Test Button

SAFEGUARDS OF CIRCUITRY

- Protected against short circuits and brown-outs
- Full discharge requires disconnection

LISTED

- UL listed for through-branch circuit wiring, damp locations.
- Damp location approved



ELM-LED-860 - ITEM SELECTOR: (Please check the boxes below for the option desired)

HOUSING COLOR

- ☐ **W** - White
- ☐ **B** - Black

Specified:

ELM-LED-860

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

ELM-LED-860

LED Adjustable Optics Emergency Unit

Architectural

Catalog Number:

Project Name:

Type:

Note:

MAXILUME

ELM-LED-860

TEST NO.: EL071880

INPUT WATTS: 3.2

LUMENS: 150

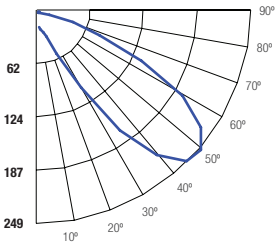
CRI: N/A

EFFICACY: 47

CCT: N/A

SPACING CRITERIA: 1.70

Candle Power Distribution (Candelas)



Cone of Light			
2	4.94	1.0	0.6
4	1.31	2.0	1.2
6	0.57	3.1	1.8
8	0.32	4.1	2.5
10	0.21	5.1	3.0
12	0.14	6.1	3.7
BEAM DIA. MEASURED AT 50% OF NADIR F.C.			

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	5.18	3.50	3.50
0-30	13.41	9.00	9.00
0-40	33.63	22.50	22.50
0-60	103.24	69.00	69.00
0-80	142.25	95.10	95.10
0-90	145.14	97.00	97.10

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	9984	605	132
55	11675	821	119
65	9135	854	134
75	4739	855	166
85	757	1023	355

Lumens Per Zone

Zone	Lumens
0-10	1.33
10-20	3.85
20-30	8.23
30-40	20.22
40-50	33.17
50-60	36.44
60-70	27.18
70-80	11.83
80-90	2.89

Candela Tabulation

0	0
0	14.278
5	17.330
15	23.890
25	53.470
35	168.750
45	246.180
55	233.510
65	134.620
75	42.770
85	2.300
90	0.440

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		118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97					
1		106	101	96	92	103	98	94	90	94	90	86	89	86	83	85	83	80	78					
2		95	85	77	71	92	83	76	70	79	73	68	75	70	66	72	67	64	61					
3		85	72	63	56	82	71	62	55	67	60	53	64	57	52	61	55	51	48					
4		76	62	52	44	73	61	51	44	58	49	43	55	48	42	52	46	41	38					
5		69	54	44	36	66	52	43	36	50	41	35	47	40	34	45	39	33	31					
6		62	47	37	30	60	46	36	29	44	35	29	42	34	28	40	33	28	25					
7		57	42	32	25	55	41	31	25	39	30	24	37	29	24	35	28	23	21					
8		52	37	28	21	50	36	27	21	35	26	20	33	26	20	31	25	20	18					
9		48	33	24	18	47	33	24	18	31	23	18	30	22	17	28	22	17	15					
10		45	30	21	16	43	29	21	15	28	21	15	27	20	15	26	19	15	13					

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance