



# LZ Series

## Designer Emergency Lighting Unit

Catalog Number	
Comments	Type

### FEATURES

#### Application

The LZ Series is an indoor emergency lighting unit with 10 - 65W capacity utilizing a sealed lead-calcium or nickel-cadmium battery in 6 or 12 VDC. Supplied standard with two halogen MR16 lamps. High-output LED based MR16 option provides increased spacing, additional run-time and/or increased remote capacity. Matching remote heads are also offered. The integrated lamp design offers greater protection from vandalism.

#### Construction

Available in two housing sizes, one for standard capacity models (LZ2, LZ15) and increased depth for higher capacity models (LZ15 through LZ65). Made from UV stabilized thermoplastic with a snap-together design in white or black finish. Includes test switch and AC-ON indicator.

#### Installation

Unit mounts to 3 1/2", 4" octagon or 4" square boxes. Back-plate provides a universal knockout pattern for mounting to outlet box. Keyholes provided for securing housing to wall surface. LZ2 and LZ15 can be ceiling mounted. All AC connections made inside unit housing.

#### Illumination

The LZ Series provides illumination with two halogen MR16 lamps positioned inside an adjustable "eyeball" style housing. Optional lamps for greater light output include 10W MR16 and maximum coverage high-output LED based MR16.

#### Compliances

UL 924 Listed (optional damp location listed)  
 NFPA 70  
 NFPA 101  
 ADA compliant (LZ standard models only)  
 U.S. Patent Nos. D400,991, D419,708, D400,995, 6,280,042 and 6,019,477.



Standard Size



High Capacity



Optional black finish

ZR remote heads  
(sold separately)



### ORDERING GUIDE

## LZ

Model	Capacity	Battery Type	Rating	Output Volts	Self-Diagnostics	Options
<b>LZ</b>	2 10 Watts <sup>2</sup> 15 15 Watts 20 20 Watts <sup>5</sup> 25 25 Watts <sup>5</sup> 30 30 Watts <sup>2</sup> 35 35 Watts <sup>2,6</sup> 55 55 Watts <sup>2</sup> 65 65 Watts <sup>2,6</sup>	<b>Blank</b> Lead-Calcium <b>N</b> Nickel-Cadmium <sup>3,4</sup>	<b>Blank</b> Standard Model <b>D</b> Damp Location Listing <sup>9</sup>	<b>Blank</b> 6 Volts <b>-12V</b> 12 Volts <sup>10</sup>	<b>Blank</b> None <b>I</b> Spectron® Self-test/ Self-diagnostic Electronics <sup>7</sup>	<b>Blank</b> 5W Halogen lamps <b>10W</b> 10W Halogen lamps <sup>1</sup> <b>03L</b> 3W LED Lamps <sup>8</sup> <b>B</b> Black finish <b>V</b> Voltmeter <b>0</b> Unit supplied without lampheads <sup>11</sup> <b>24K</b> 220-240VAC, 60 Hz operation <sup>2</sup> <b>A21</b> Aux. 2-conductor, line cord, 120VAC only <sup>12</sup> <b>A31</b> Auxiliary 3-conductor line cord, 120VAC only <sup>13</sup>

<sup>1</sup> Available on units with capacities of 20 watts or more

<sup>2</sup> Not available with Nickel-Cadmium battery models

<sup>3</sup> Available only on 15, 20 or 25 Watt models

<sup>4</sup> Must order with damp location on LZ15 in 6 VDC only

<sup>5</sup> Not available with Lead-Calcium battery models

<sup>6</sup> Not available with damp location models

<sup>7</sup> Must order with damp location listing on LZ2 model

<sup>8</sup> Not available with LZ21 and LZ15I Spectron® equipped unit

<sup>9</sup> Not available with -03L (LED) option

<sup>10</sup> Limited to LZ20ND-12V, LZ25N-12V, LZ30D-12V, LZ35-12V, LZ55D-12V and LZ65-12V

<sup>11</sup> Not available on LZ2 and LZ15 models

<sup>12</sup> Available on LZ2 only

<sup>13</sup> Available on all models except LZ2



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	Voltage	Battery	Lamp	Capacity	Runtime	Extended Runtime	Remote Watts	Number of Remotes: 5W HAL	Number of Remotes: 10W HAL	Number of Remotes: 3W LED
<b>STANDARD</b>	LZ2	6VDC	Lead Calcium	5W HAL	10 watts	90 min.	No	0	0	0
	LZ15	6VDC	Lead Calcium	5W HAL	15 watts	90 min.	Yes	5	1	1
	LZ30	6VDC	Lead Calcium	5W HAL	30 watts	90 min.	Yes	20	4	6
	LZ35-12V	12VDC	Lead Calcium	5W HAL	35 watts	90 min.	Yes	25	5	8
	LZ65	6VDC	Lead Calcium	5W HAL	65 watts	90 min.	Yes	55	11	18
<b>DAMP</b>	LZ65-12V	12VDC	Lead Calcium	5W HAL	65 watts	90 min.	Yes	55	11	18
	LZ20N	6VDC	Nickel Cadmium	5W HAL	20 watts	90 min.	Yes	10	2	3
	LZ25N-12V	12VDC	Nickel Cadmium	5W HAL	25 watts	90 min.	Yes	15	3	5
	LZ2D	6VDC	Lead Calcium	5W HAL	10 watts	90 min.	No	0	0	-
	LZ25D	6VDC	Lead Calcium	5W HAL	25 watts	90 min.	Yes	15	3	-
<b>LED</b>	LZ30D-12V	12VDC	Lead Calcium	5W HAL	30 watts	90 min.	Yes	20	4	-
	LZ55D	6VDC	Lead Calcium	5W HAL	55 watts	90 min.	Yes	45	9	-
	LZ55D-12V	12VDC	Lead Calcium	5W HAL	55 watts	90 min.	Yes	45	9	-
	LZ15ND	6VDC	Nickel Cadmium	5W HAL	15 watts	90 min.	Yes	5	1	-
	LZ20ND-12V	12VDC	Nickel Cadmium	5W HAL	20 watts	90 min.	Yes	10	2	3
	LZ2-03L	6VDC	Lead Calcium	3W LED	10 watts	90 min.	No	0	0	0
	LZ15-03L	6VDC	Lead Calcium	3W LED	15 watts	90 min.	Yes	9	1	3
	LZ30-03L	6VDC	Lead Calcium	3W LED	30 watts	90 min.	Yes	24	4	8
	LZ35-12V-03L	12VDC	Lead Calcium	3W LED	35 watts	90 min.	Yes	29	5	9
	LZ65-03L	6VDC	Lead Calcium	3W LED	65 watts	90 min.	Yes	59	11	19
LZ65-12V-03L	12VDC	Lead Calcium	3W LED	65 watts	90 min.	Yes	59	11	19	
LZ20N-03L	6VDC	Nickel Cadmium	3W LED	20 watts	90 min.	Yes	14	2	4	
LZ25N-12V-03L	12VDC	Nickel Cadmium	3W LED	25 watts	90 min.	Yes	19	3	6	

### SPECIFICATIONS

#### Standard Features:

- External push-to-test switch and AC-ON indicator
- Low voltage disconnect
- Transformer isolation
- Temperature compensated charger circuitry
- MR16 Halogen lamp with rated 200 hour life
- Standard 120/277VAC, 60Hz.
- Optional 220/240VAC, 50/60Hz
- Weight is 4-12 lbs. depending on capacity

#### Optional Features:

- Spectron® self-test/self-diagnostic circuitry monitors lamp status, lamp load transfer circuitry and battery capacity; displays any fault detected via a flashing code. Automatically runs periodic diagnostic routines to ensure unit readiness. Multicolor LED indicates fault condition and charging status.
- LED MR16 lamps rated at 50,000 hour life expectancy
- Available without integral lamp heads for added run time or remote capacity operation.

#### Operating Temperature Range:

Standard models: 20°C to 30°C (68°F to 86°F)  
 Damp location models: 10°C to 40°C (50°F to 104°F)

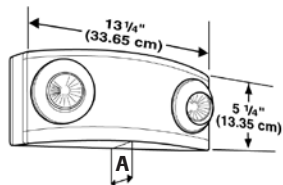
#### Power consumption for LZ2 and LZ15

Maximum: 4.0W, 120VAC or 277VAC Normal: 1.3W, 120VAC or 277VAC

#### Power consumption for LZ15N and larger

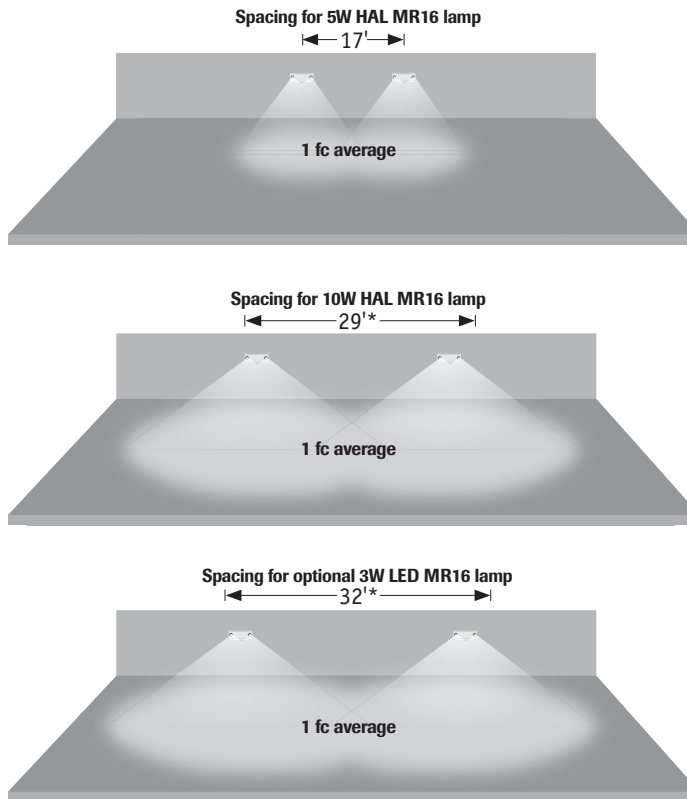
	Lead-Acid Battery		Nickel-Cadmium Battery	
	6 Volt	12 Volt	6 Volt	12 Volt
Maximum	14W	14.0W	11.1W	11.1W
Normal	1.8W	2.0W	8.4W	8.1W

### DIMENSIONS



**A**  
 Standard size (LZ2, LZ15) depth is 3.625" (9.2cm).  
 High capacity model depth is 5.125" (13cm).

### APPLICATION DATA



Meets Life Safety Code minimum illuminance of 0.1 fc and average illuminance of 1.0 fc. Assumes open space with no obstructions, mounting height of 75', ceiling height of 9' and reflectances of 80/50/20 on a 3' path. Photometry files available on the Dual-Lite web site ([www.dual-lite.com](http://www.dual-lite.com)).  
 \* Due to limitations in aiming