EV4D-02WAL Series
ARCHITECTURAL LED EMERGENCY LIGHT

FEATURES

- High power LED's offer 248 lumens per lamp with special wide area lens

- Adjustable lamp-heads to optimize light pattern at various mounting heights

- Environmentally Friendly Nickel Metal Hydride Battery

- High impact, flame rated and UV stable white or black thermoplastic housing

- Top mount conduit entry

- Wall Mount Only

UL924 **SPECTRON®** Self-Testing/Self-Diagnostic Electronics System **TITLE 20**

RELATED PRODUCTS

🔗 EV-LED Emergency Light

🔗 EVHC-High Capacity LED Emergency Light

🔗 EVO-Remote Head

🔗 EVC-Combination Exit/Emergency Light

🔗 EVE-Exit

SPECIFICATIONS

APPLICATION
- The EV Series is a compact architectural emergency lighting unit designed for ease of installation, reliable operation, and optimized path of egress spacing

- The special lens achieves 50' multiple unit spacing when applied at 7.5', making the EV unit a great selection for long hall-ways like those in conference centers, hotels, and large open spaces

- The EV Series includes a micro-controlled pulse charger and long-life Nickel Metal Hydride(NiMH) battery

- The EV accepts 120/277VAC input at 60 Hz

CONSTRUCTION
- The EV Series housing, back-plate and lamp-heads are made from durable injection molded thermoplastic

- LED lens are made of acrylic

INSTALLATION
- Universal mounting template molded in the back plate aids in quick installation

- Unit mounts to all single gang and standard 3 1/2" and 4" square or octagonal electrical boxes

- Conduit entry through a molded-in knock-out at the top center

- Pre-stripped AC input leads provided

- Unit is designed for wall mount only

ILLUMINATION
- The EV Series provides bright and uniform illumination to achieve greater than 50' spacing when applied at 7.5'

- This is achieved by high power LED's and special wide area lenses that provide a superior path of egress

- Lamp-heads are adjustable based on mounting height, and have an optimized angle to maximize spacing

COMPLIANCES
- Listed to UL924 Standard

- NFPA 101

- NFPA 70

- RoHS

- CEC T20 Compliant

WARRANTY
- LED Lifetime Warranty

- EV Full 3 year warranty

- EV with Spectron® Full 5 year warranty

KEY DATA	
Lumens per head	248
Wattage	4
Efficacy Range (LPW)	135.5
Rated LED Lifecycle (Hours)	< 100,000

HUBBELL Lighting

BROCHURE

DIMENSIONAL DRAWINGS

EV4D-02WAL Series
ARCHITECTURAL LED EMERGENCY LIGHT

ORDERING GUIDE

Example: EV4D-02WAL

CATALOG #

EV

Model	Capacity	Rating	Self-Diagnostics		Options
EV EV Series	4 4W Capacity	D Damp Listed	Blank No Self-Diagnostics		02WAL 2W LED lamps with Wide Area Lens
			I Spectron® Self-Test/Self-Diagnostics		B Black Finish

Accessories (Order Separately)

WGA1   Wire Guard - 8"H x 12"L x 4"D

WGLZ   Wire Guard - 6.25"H x 14"L x 4"D

VRS3   Vandal Resistant Shield - 11.5" H x 15.5"L x 4.5" D

ADDITIONAL PRODUCT INFORMATION

ELECTRONICS
Upon failure of normal utility power, a solid-state transfer switch automatically activates the emergency LED lamp-heads. Upon resumption of normal utility power, the battery is disconnected from the load and recharged through a microprocessor controlled pulse charger. The battery is a maintenance-free Nickel Metal Hydride(NiMH) type. The EV series accepts dual-voltage input of 120 or 277VAC at 60 Hz, or an optional 220-240VAC input at 50-60 Hz. A low voltage battery disconnect (LVD) feature protects the battery from severe damage during prolonged power failures. Manual testing is available at any time using the push-to-test button.

Number of lamps- 2 High Power Cree LED's powered at 2W per head, and configured so that if 1 lamp malfunctions, the remaining lamp will continue to provide illumination.

Lamp Color Temp: 6000K

Total Lamp Output: 1.8 watts , 248 lumens per lamp-head

System efficacy: 135.5 lm/w

Rated LED lifecycle: Greater than 100,000 hours

STANDARD FEATURES INCLUDE:
- Intelligent 2-wire input connection
- External push-to-test switch and AC-on indicator
- Battery re-charge within 24 hours
- AC Lock-out circuit
- Low voltage disconnect
- Conduit entry knock-out located at the top center
- Microprocessor controlled pulse charger

OPTIONAL SPECTRON FEATURE:
- Self-diagnostics monitors LED status, LED load transfer circuit, battery capacity and charger function and displays any fault detection by means of a flashing code
- Self-Test feature automatically runs a 1 minute test once a month and an alternating 30 or 60 minute test once every 6 months. Multi-color LED indicator provides visible fault detection and charging status.
- User initiated 1 or 90-minute system test feature
- 15 minute re-transfer delay
- Automatic unit transfer in brown-out conditions (below 80% of nominal AC input voltage)

OPERATING TEMPERATURE RANGE:
Damp Listed: 50˚ to 104˚F (10˚ to 40˚C)

Weight: 2.0 lbs

MAXIMUM POWER CONSUMPTION

	AC Voltage	Hz.	Amps.	Watts	Power Factor
EV4D	120	60	0.022	2.00	0.73
	2787	60	0.014	2.75	0.63

HUBBELL Lighting

EV4D-02WAL Series
ARCHITECTURAL LED EMERGENCY LIGHT

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

HUBBELL   **HUBBELL** Lighting

DIMENSIONS

5"

8.5"

2.25"
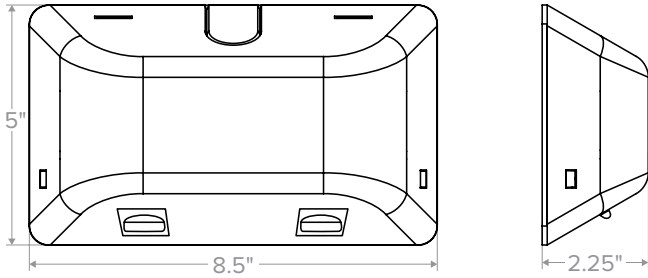
APPLICATION INFORMATION

MULTI-UNIT SPACING

PW

S

2W Wide Area Lens		
Mounting Height	Path Width (PW)	Spacing (S)
7.5'	6'	50'
10'	6'	41'
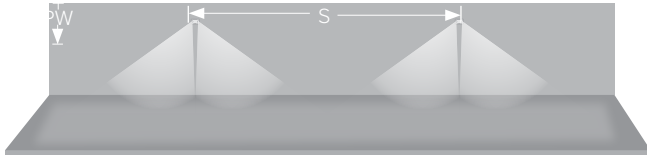
Notes:
Meets Life Safety Code minimum illuminance of 0.1 fc and average illuminance of 1.0 fc. Assumes open space with no obstructions, wall mounting height shown in above table, wall mounting height shown in above table and reflectances of 80/50/20.
Photometry files available on the Dual-Lite web site (www.dual-lite.com).

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