

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

EBB Series

HAZARDOUS LOCATION EMERGENCY LIGHT

FEATURES

- Integral battery design with 60 watts capacity for 90 minutes
- 3 each individually adjustable, 20 watt MR-16 lamps
- Fully Automatic Charger with Low Voltage Disconnect
- Remote Test Station included
- VEXA400 - Exit Accessory
- EZG1 - Globe Guard
- VMPSD40 - Dome Reflector



VEXA400 EXIT Housing - Sold separately



Remote Test Station Included

RELATED PRODUCTS

HLEBS - Hazardous Location Emergency Lighting System



SPECIFICATIONS

APPLICATION

- The EBB Series is a self-contained hazardous location emergency light which is designed for environments known to have high concentrations of gas, explosive vapors and dust
- The EBB is intended for use in oil and gas refining, chemical production and storage, grain processing and paint manufacture
- The EBB provides emergency illumination for 90 minutes in the event of power outage

CONSTRUCTION

- EBB Series housing is made of copper-free (less than 0.4%) aluminum with a baked on electro-statically applied polyester epoxy for maximum corrosion resistance
- The housing contains four lead acid batteries which deliver 60 watts to power 3-20 watt adjustable MR-16 halogen lamps for 90 minutes in the event of power outage

CONSTRUCTION (CONT.)

- Includes remote test station for ease of testing
- Glass globe is pre-stressed heat and impact resistant glass. Includes red AC power on indicator

INSTALLATION

- EBB can be ordered for pendant or wall mount
- Electrical connections are made to an integral female connection block in the mounting cap
- The electrical connection is made to the lamp-head by a terminal block which allows easy disconnect for servicing

ILLUMINATION

- EBB uses 3 each 12VDC, 20 watt MR-16 halogen lamps positioned inside the glass globe
- The lamps are independently adjustable

COMPLIANCES

- Class 1, Div. I & II, Groups C, D
- Class 1, Zones I & II, Groups IIB, IIA
- Class II, Div. I & II, Groups E, F, G
- Class III, Div. I & II
- NEMA 7CD, 9EFG
- UL924 emergency
- UL844 Hazardous
- UL924 Emergency Listed
- UL844 Hazardous Location Listed

WARRANTY

- Full 3 year warranty
- See [HLI Standard Warranty](#) for additional information

ORDERING GUIDE

Catalog Number	Description	Accessories (Order Separately)	
EBB32010A2	3 Lamp, 20 Watt, Pendant Mount, 3/4" Hub	VEXA400	Exit Accessory
EBB32010A3	3 Lamp, 20 Watt, Pendant Mount, 1" Hub	EZG1	Globe Guard
EBB32010B3	3 Lamp, 20 Watt, Wall Mount, 1" Hub	VMPSD40	Dome Reflector

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ADDITIONAL PRODUCT INFORMATION

ELECTRONICS

Factory wired for 120VAC. Can be field changed to 208,240 or 277VAC. Fully automatic charger which includes low voltage disconnect to prevent deep discharge of the battery. Four maintenance-free lead acid batteries provide 12VDC output to power 3 each, 20 watt MR16 lamps for a minimum of 90 minutes. Safety disconnect feature automatically removes battery power to lamps if the globe is removed. Electrical continuity is not made during assembly or disassembly without 5 or more threads secured to ensure any flame path is contained.

STANDARD FEATURES INCLUDE:

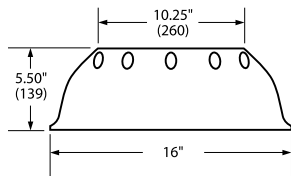
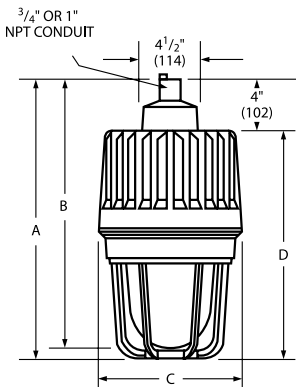
- Intelligent 2-wire input connection
- External push-to-test switch and AC-on indicator
- Battery re-charge within 24 hours
- AC Lock-out circuit
- Low voltage disconnect
- Conduit entry knock-out located at the top center
- Microprocessor controlled pulse charger

OPERATING TEMPERATURE RANGE:

Standard: 32° to 104°F (0° to 40°C)

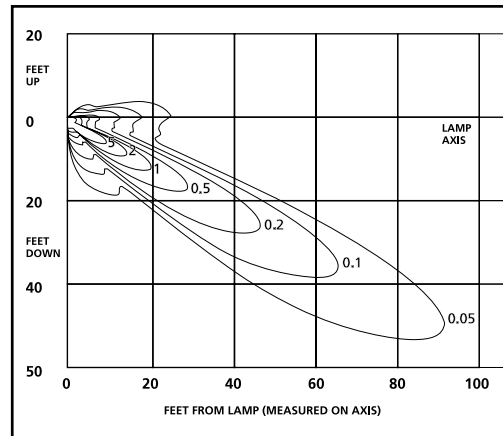
Weight: Approximate 48lbs

DIMENSIONS



Pendant			
A	B	C	D
22"	21-1/4"	11-1/4"	18"
(558mm)	(539mm)	(285mm)	(457mm)
Wall			
A	B	C	D
22-7/8"	22-1/8"	16-3/4"	18"
(580mm)	(561mm)	(425mm)	(457mm)

PHOTOMETRICS



Typical vertical ISO foot candle distribution. One 20 watt lamp aimed at 20° below horizontal. Note: Some minor variations in light spread will occur as each lamp is rotated up/down within the glass globe.

MOUNTING OPTIONS



Pendant



Wall

ACCESSORIES



VEXA400 EXIT Housing - Sold separately



EZG1 Globe Guard



Remote Test Station Included



VMPSD40 Dome Reflector