

EOT

LED Emergency Outdoor Tear Drop

Product Description

The LED Emergency Outdoor Tear Drop combines 90-minute emergency lighting with a low-profile, architectural design. The EOT is designed for outdoor use, with an optional cold-weather kit for added reliability in northern climates. The EOT comes standard with a photocell providing users added energy efficiency. An internal selector switch allows bypassing the photocell to control the unit from a wall switch. A non-emergency unit is available for locations not requiring battery-backup, providing a uniform look for all fixtures.

Construction

- IP65 Rated enclosure
- Durable die-cast Aluminum body
- Separable backplate for easy installation and maintenance

Optical System

- Polycarbonate lens
- Utilizes advanced LED technology with CCT of 2700K and 5000K
- CRI 70+

Electrical

- Input voltage of 120/277VAC
- Maintenance-free NiCad battery provides 90-minute emergency operation
- LED indicator light & test button with self-diagnostics standard
- Photocell standard with wall switch control
- Operating Temperature:
 - EM: 32°F to 122°F (0°C to +50°C)
 - Non-EM and EM Cold Weather: -13°F to +122°F (-25°C to +50°C)

Mounting and installation

- Fixture mounts directly to J-Boxes and walls with screws
- Wiring possible through backplate or 1/2" conduit knockout
- For installations where power surge may be possible, NICOR recommends installing additional surge protection at the electrical distribution panel

Finish

- Fine-textured, UV-stabilized powder coat bronze finish

Listings

- LM-79, LM-80 testing performed in accordance with IESNA standards.
- UL & cUL 924 Listed
- Meets or exceeds requirements of NFPA 70 & NFPA 101
- Meets FCC Part 15, Subpart B, Class B standards for conducted and radiated emissions
- TM-21 Projected L70(9k) life >72,000 hours

Warranty

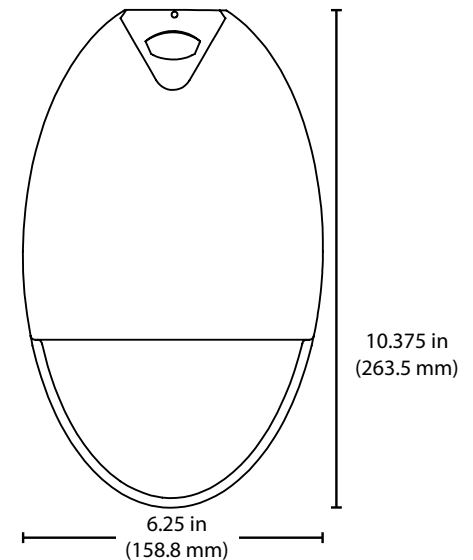
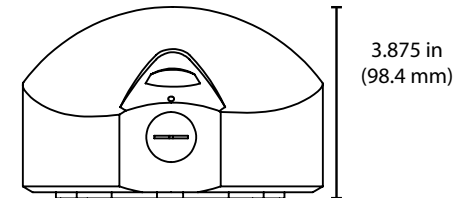
- 1-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge.)

Project

Catalog

Type

Date



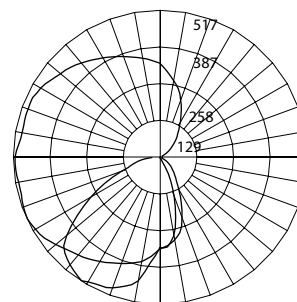
Photometric Data

EOT1MV2K

Input Voltage (VAC)	120/277
System Level Power (W)	13.4
Delivered Lumens - Standard Operation (Lm)	1074
System Efficacy (Lm/W)	80.1
Correlated Color Temp (K)	2756
Color Rendering Index (CRI)	83
Delivered Lumens - Emergency Operation (Lm)	277
Emergency Operation	90 min

Intensity Summary (Candle Power)

Angle	Mean CP
0	318
5	322
15	284
25	203
35	122
45	65
55	9
65	7
75	4
85	2
90	2



Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	305	28.4%
0-40	495	46.1%
0-60	871	81.1%
0-90	1074	100%
90-180	0.00	0%
0-180	1074	100%

CCT Data Multiplier

EOT1MV5K	1.078
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Performance Data

Model Number	Lumens	Watts	Lumens/Watt
EOT1MV2K	1074	13.4	80.1
EOT1MV5K	1158	13.4	86.4

Ordering Information

Example: EOT1MV2KBZPS

Series	Version	Voltage	CCT	Housing Color	Photocell	Testing	Cold Weather	Emergency
EOT	1	MV (120-277V)	2K (2700K) ¹	BZ (Bronze)	P (Photocell)	S (Self-Diagnostic)	_Blank (Standard)	_Blank (Emergency)
			5K (5000K)	SV (Silver)			C (Cold Weather) ¹	AC (Non-EM) ¹

Specifications and dimensions subject to change without notice.

- Only available for Bronze Finish

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.