



UFO-LED16

16W EMERGENCY MICRO INVERTER

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

FEATURES

- Provides constant lumen output for a minimum of 90 minutes
- Can be used with normally-on, normally-off or switched fixtures
- Intelligent 2-wire input voltage: 120–277VAC, 50/60Hz operation
- Emergency Output Voltage: 120VAC, 60Hz
- Bi-color test switch and LED charging indicator supplied standard
- Damp location listed for 0°C To 50°C
- Field selectable self-test/self-diagnostics



SPECIFICATIONS

APPLICATION

- The UFO-LED16 is an intelligent 2-wire (120–277VAC) emergency micro inverter for use with LED, fluorescent or incandescent lighting loads.
- When normal AC power is lost, the UFO-LED16 provides emergency sinusoidal AC power (16W) at a rated output voltage of 120VAC for a minimum of 90 minutes.

CONSTRUCTION

- Compact case constructed of durable galvanized steel.
- The unit includes a bi-color test switch/LED charging indicator light, removable metal conduit and a lithium-ion battery.

INSTALLATION

- The UFO-LED16 Micro Inverter does not affect normal LED fixture operation and may be used with either switched or unswitched fixtures.
- If a switched fixture is used, an unswitched hot lead must be connected to the UFO-LED16, and must be fed from the same branch circuit.

INSTALLATION (CONT'D)

- The UL924 Listing allows for both field and factory installations in either the ballast channel or mounted outside the fixture
- The UFO-LED16 Micro Inverter is suitable for use in damp locations where the ambient temperature is between 0°C (32°F) and 50°C (122°F). It is not suitable for installation in heated air outlet fixtures and wet or hazardous location fixtures.

ILLUMINATION

- The UFO-LED16 will operate a lighting load at 16 watts for a minimum of 90 minutes.
- Additionally, UFO-LED16 is compatible with GE Lamps Type B LED tubes. See LAMP COMPATIBILITY CHART for more details.
- Current's Dual-Lite and GE Lamps brands provide complete portfolios of innovative products with a proven record of quality and results. Our award-winning family of brands is dedicated to offering bold integrated solutions to fulfill the needs of any spec.
Learn more about GE Lamps - Type B LED Tubes: <https://cdn.currentlighting.com/site/specsheet/GEL192-LED-Tubes-Type-B-Spec-Sheet.pdf>

ILLUMINATION (CONT'D)

- Using the LED load's efficacy in lm/w, as published by the Design Lights Consortium website (<http://www.designlights.org>), Energy Star - Certified Products - product finder website (<http://www.energystar.gov/productfinder>) or given by the luminaire manufacturer on product catalog specification sheets, lumen output can be calculated by multiplying by the UFO-LED16 output power (16W).

COMPLIANCES

- UL 924 Listed and Damp Location Listed for field installation
- CSA C22.2 No. 141 (Canadian Life Safety Standard)
- NFPA 101 (Life Safety Code)
- NFPA 70 (National Electrical Code)
- CEC Title 20 Compliant (CEC Battery Charger Efficiency Standard)
- FCC Compliant

WARRANTY

- 5 Year Full

ORDERING GUIDE

CATALOG #

Example: UFO-LED16

UFO-LED	16
Model	Output Power
UFO-LED Battery Pack	16 16 Watts



UFO-LED16

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PRODUCT DETAILS

OPERATION

The UFO-LED16 emergency LED battery pack is designed to provide a minimum of 90 minutes of emergency lighting to commercial or industrial light fixtures. Operation is fully automatic. A solid-state charger maintains the battery at full charge as long as utility power is present. Upon interruption of utility power, the unit will activate and the automatic transfer circuit will switch to the emergency mode, keeping the load illuminated for a minimum of 90 minutes. Lumen output during emergency mode is estimated as described below. Upon restoration of utility power, the UFO-LED16 emergency battery pack will return to charging mode. Full battery recharge is accomplished within 24 hours. A bi-color test switch/LED charging indicator light is provided for testing and monitoring of unit performance. UFO-LED16 does not support hot swapping of the LEDs.

The egress illumination levels can be estimated by doing the following:

- Find the efficacy of the LED lighting fixture. Luminaire efficacy information can be found at the Design Lights Consortium website (<http://www.designlights.org>), Energy Star - Certified Products - product finder website (<http://www.energystar.gov/productfinder/>) or given by the luminaire manufacturer on product catalog specification sheets. The LED fixture efficacy will be given in lumens per watt (lm/w).
- Lumens can be calculated by multiplying the output power of the emergency LED driver (16W) by the efficacy of the LED load. In many cases the actual lumen output in emergency mode will be greater than this calculation yields, however it will provide a good estimate for beginning the lighting design of the system.

$$\text{Lumens In Emergency Mode} = \text{Lumens Per Watt of Fixture} * \text{Output Power of Chosen Product (LUMENS)} = (\text{LM/W}) * \text{W}$$

- Using the results of this calculation and industry standard lighting design tools, calculate the anticipated illumination levels in the path of egress.

NOTE: After installation, it will be necessary to measure the egress lighting illumination levels to ensure compliance with national, state and local code requirements. Consult Installation Instructions for fixture compatibility requirements.

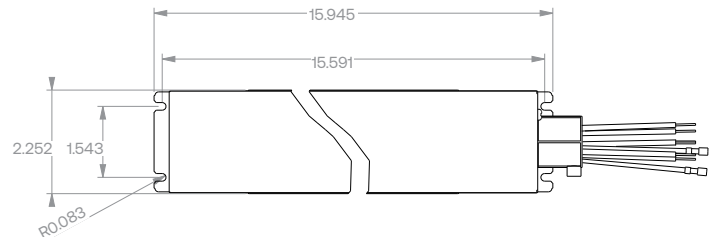
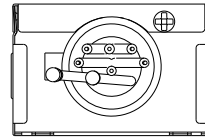
STANDARD FEATURES INCLUDE

- Constant power design provides emergency lighting without loss of lumen output for a minimum of 90 minutes.
- Can be used with normally-on, normally-off or switched fixtures
- Removable conduit whip for ease of installation
- 2-wire bi-color test switch/LED charging indicator light supplied standard
- Long life, lithium-ion battery with 6-8 year life expectancy
- Electronic AC lockout and low voltage disconnect (LVD) circuit
- 2-wire test switch and LED charging indicator supplied standard

FIELD SELECTABLE SELF-TEST/SELF-DIAGNOSTICS:

- Self-diagnostics monitors load status, battery status 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 a 90 minute test once every 12 months
- Multi-color LED indicator provides visible fault detection and charging status
- User initiated 1, or 90-minute system test feature

DIMENSIONS



NOMINAL DIMENSIONS: 15.945" L X 2.252" W X 1.478" H
REMOVABLE CONDUIT WHIP LENGTH: 25"

INPUT VOLTAGE
120-277VAC, 50/60HZ

INPUT POWER
120VAC 60Hz - 0.1A - 5 Watts
277VAC 60Hz - 0.04A - 5 Watts

OUTPUT VOLTAGE
120VAC/60Hz

OUTPUT POWER
16 Watts, PF>0.55 (30VA) Max

OUTPUT CURRENT
0.25A (@ 120VAC 16W |PF|>0.55)

RECHARGE TIME
24 Hours (maximum)

EMERGENCY OPERATION
90 minutes (minimum).

BATTERY
Lithium-ion

OPERATING TEMPERATURE
0°C to 50°C (32°F to 122°F)

WEIGHT
2.6 lbs (1.18 kg)