

## Emergency Ballasts

120 or 277 Voltage, Damp Location

### Features and Benefits:

- UL Listed (Factory or Field Installation)
- 90 Minute Illumination
- Max Initial Lumen Output - 700 Lumens
- 5 Years Full Warranty (NOT pro-rata)
- Dual Voltage Input, 120/277 VAC, 60 Hz
- AC Input Current 280mA
- AC Input Power Rating, 3.5 Watts
- Battery – 14.4 Watt-Hour High-Temperature Maintenance-Free Nickel-Cadmium Battery  
7-10 Year Life Expectancy
- Battery Charging Power 3.6V - 280mA
- 24 Hours Recharge Time w/ LED Charging Indicator Light

### Operation:

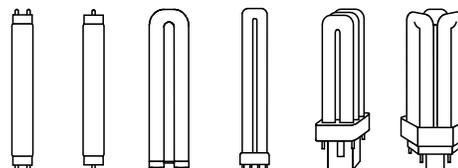
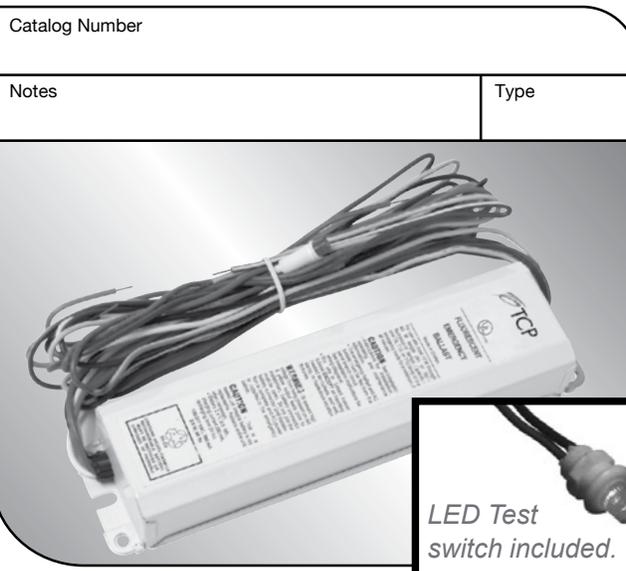
The TCP 20B60 fluorescent emergency ballast works in conjunction with an AC ballast to convert new or existing fluorescent fixtures into emergency lighting. When AC power fails, the 20B60 immediately switches to the emergency mode, operating either one or two lamps at high lumen output for a minimum of 90 minutes. When AC power is restored, the ballast automatically returns to the charging mode.

### Emergency Illumination:

Depending on the number (one or two), wattage and type of lamps selected, the 20B60 produces up to 700 lumens initial emergency light output. If two-lamp operation is selected, light output is evenly divided between the lamps for better distribution of emergency illumination.

### Compatibility:

Operates two 17W-40W, one 17W-110W T8 through T12, two 13W-39W, one 13W-42W 4-pin compact or one 18W-50W 4-pin long compact fluorescent lamps. It is also compatible with most one-, two-, three-, and four-lamp electronic, standard, energy-saving and dimming AC ballasts. If used in an emergency-only fixture, no AC ballast is necessary.



| Lamp     | Initial Lumens |        |
|----------|----------------|--------|
|          | 1-lamp         | 2-lamp |
| T8 17W   | 475            | 650    |
| T8 32W   | 600            | 700    |
| T12 20W  | 475            | 600    |
| T12 40W  | 625            | 650    |
| T8 59W   | 675            | -      |
| T12 110W | 650            | -      |

| Lamp            | Initial Lumens |        |
|-----------------|----------------|--------|
|                 | 1-lamp         | 2-lamp |
| 4-pin PL CF 13W | 425            | 550    |
| 4-pin PL CF 18W | 475            | 600    |
| 4-pin PL CF 26W | 525            | 650    |
| 4-pin PL CF 32W | 575            | 650    |
| 4-pin PL CF 42W | 650            | -      |

| Lamp              | Initial Lumens |        |
|-------------------|----------------|--------|
|                   | 1-lamp         | 2-lamp |
| 4-pin Long CF 18W | 525            | -      |
| 4-pin Long CF 24W | 575            | -      |
| 4-pin Long CF 36W | 650            | -      |

## Specifications:

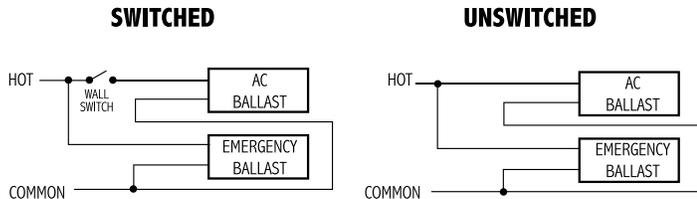
The TCP 20B60 emergency ballast consists of a field-replaceable, high-temperature, maintenance-free nickel-cadmium battery, charger and electronic circuitry in a durable painted white finish metal case with a life expectancy of 7 - 10 years. A solid-state charging indicator light to monitor the charger and battery, single-pole test switch and installation hardware shall be provided.

## Applications:

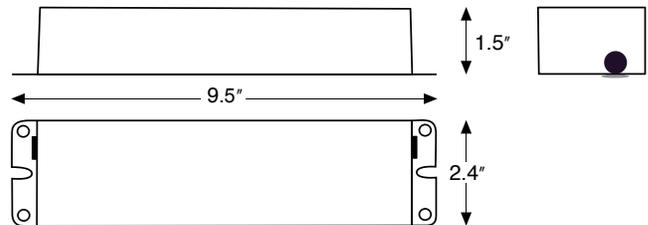
The 20B60 is suitable only for indoor locations and not for wet or hazardous locations. For information about specific lamp and ballast compatibility, please call the factory. Recommended applications include: hospital surgical suites and areas along the path of egress with high ceiling heights, as well as health care, educational and commercial facilities needing higher levels of emergency illumination.

## Installation:

The 20B60 does not affect normal fixture operation and may be used with either a switched or unswitched fixture. If a switched fixture is used, an unswitched hot lead must be connected to the emergency ballast. The emergency ballast must be fed from the same branch circuit as the AC ballast. The 20B60 may be installed on top of or remote from the fixture. The emergency ballast may be remotely installed up to half the distance the AC ballast manufacturer recommends removing the AC ballast from the lamp or up to 50 feet, whichever is less. Installation is not recommended with fixtures where the ambient temperature may fall below 0°C. A charging indicator light and double-pole test switch are provided. Upon request, a single-pole test switch/monitor plate is provided for remote installation of the test switch and charging indicator light.



Primary circuit only. Lamp leads not shown.



Installation to be performed by a qualified, licensed professional.

Improper wiring may significantly reduce lamp life expectancy and void the ballast and/or lamp warranty.

## UL And Code Compliance:

The 20B60 has been tested by Underwriters Laboratories in accordance with the standards set forth in UL 924, "Emergency Lighting and Power Equipment," and is UL Listed for factory or field installation. Emergency illumination time exceeds the National Electrical Code (NEC), Life Safety Code (NFPA-LSC) and UL 90-minute requirements.

## Warranty:

Model 20B60 is warranted for five (5) full years from date of purchase. This warranty covers only properly installed TCP emergency ballasts used under normal conditions. For the warranty period TCP will, at its option, repair or replace without charge, a defective emergency ballast provided it is returned to the factory transportation prepaid and our inspection determines it to be defective under terms of the warranty. Repair or replacement, as stated above, shall constitute the purchaser's exclusive warranty, which does not extend to transportation, installation, labor or any other charges; nor does it apply to any equipment of another manufacturer used in conjunction with the emergency ballast.

**5 YEAR**  
WARRANTY