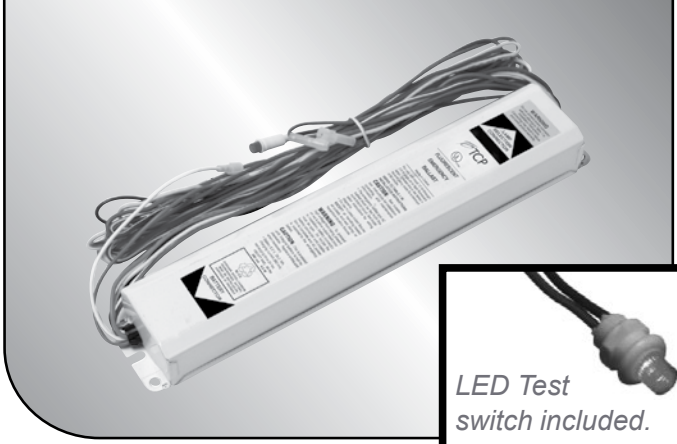


<b>Emergency Ballasts</b>	120 or 277 Voltage, Damp Location
---------------------------	-----------------------------------

Catalog Number	
Notes	Type



LED Test switch included.

### Features and Benefits:

- UL Listed (Factory or Field Installation)
- 90 Minute Illumination
- Maximum Light Output - 1400 Lumens
- 5 Years Full Warranty (NOT pro-rata)
- Dual Voltage Input, 120/277 VAC, 60 Hz
- AC Input Current 270mA
- AC Input Power Rating, 3.3 Watts
- Battery – 24.0 Watt-hour Capacity, High-Temperature Maintenance-Free Nickel-Cadmium Battery  
7-10 Year Life Expectancy
- Battery Charging Power 6.0V - 270mA
- 24 Hours Recharge Time w/ LED Charging Indicator Light

### Operation:

The TCP 20B50 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 20B50 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:

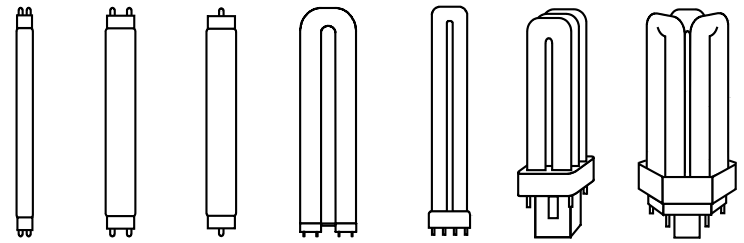
Depending on the number (one or two), wattage and type of lamps selected, the 20B50 produces up to 1400 lumens initial emergency light output. If two-lamp operation is selected, light output is evenly divided between the lamps for better distribution of emergency illumination.

Lamp	Initial Lumens	
	1-lamp	2-lamp
T5 14W	1100	1200
T5 21W	1150	1250
T5 28W	1250	1300
T5HO 39W	1300	-
T5HO 54W	1350	-
T8 17W	1050	1200
T8 32W	1350	1400
T12 20W	700	800
T12 40W	850	900
T8 59W	1350	-
T12 110W	1350	-
T12 215W	1400	-

Lamp	Initial Lumens	
	1-lamp	2-lamp
4-pin PL CF 13W	825	900
4-pin PL CF 18W	975	1100
4-pin PL CF 26W	1000	1100
4-pin PL CF 32W	1050	1150
4-pin PL CF 42W	1150	-
4-pin Long CF 18W	900	1050
4-pin Long CF 24W	1100	1150
4-pin Long CF 36W	1200	1250
4-pin Long CF 40W	1250	-
4-pin Long CF 50W	1250	-

### Compatibility:

Operates two 8W-28W T5, one 8W-54W T5/T5HO, two 17W-40W, one 17W-215W T8 through T12, two 13W-39W, one 13W-42W 4-pin compact, two 18W-36W 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.



## Compatibility:

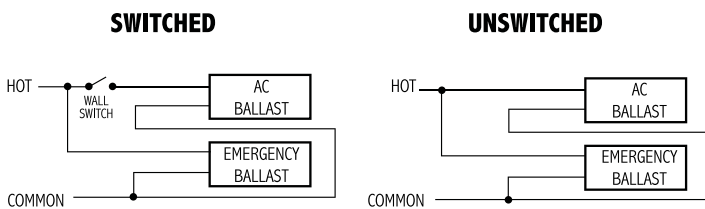
The TCP 20B50 emergency ballast consists of a high-temperature, maintenance-free nickel-cadmium battery, charger and electronic circuitry in a durable painted white finish metal case with a life expectancy of 7 - 10 years. A solid-state charging indicator light to monitor the charger and battery, single-pole test switch and installation hardware shall be provided.

## Applications:

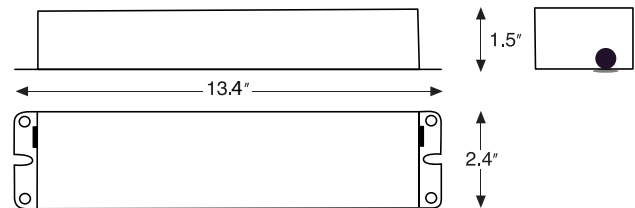
The 20B50 is suitable for use in indoor fixtures EXCEPT air handling heated air outlets, and wet or hazardous location fixtures. For information about specific lamp and ballast compatibility, please call the factory. Recommended applications include: hospital surgical suites and areas along the path of egress with high ceiling heights, as well as health care, educational and commercial facilities needing higher levels of emergency illumination.

## Installation:

The 20B50 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 20B50 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.



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 20B50 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 20B50 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