



# TCP 20LP600 Emergency Ballast

## Emergency Ballasts

120 or 277 Voltage, Damp Location

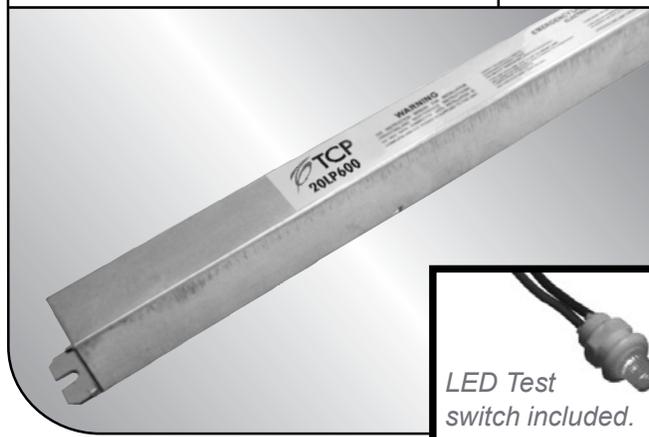
### Features and Benefits:

- UL Listed (Factory or Field Installation)
- 90 Minute Illumination
- Max Initial Lumen Output - 1300 Lumens
- 5 Years Full Warranty (NOT pro-rata)
- Dual Voltage Input, 120/277 VAC, 60 Hz
- AC Input Current 130mA
- AC Input Power Rating, 2.4 Watts
- Battery – 21 Watt-Hour High-Temperature Maintenance-Free Nickel-Cadmium Battery
- 7-10 Year Life Expectancy
- Battery Charging Power 8.4V - 110mA
- 24 Hours Recharge Time w/ LED Charging Indicator Light

Catalog Number

Notes

Type



LED Test switch included.

### Operation:

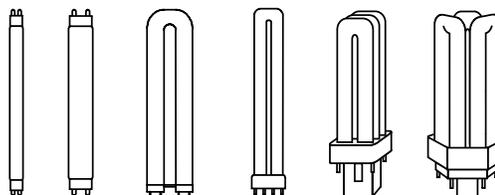
The TCP 20LP600 fluorescent emergency ballast works in conjunction with an AC ballast to convert new or existing fluorescent fixtures into emergency lighting. When AC power fails, the 20LP600 immediately switches to the emergency mode, keeping one lamp illuminated at a reduced lumen output for a minimum of 90 minutes. When AC power is restored, the ballast automatically returns to the charging mode.

### Emergency Illumination:

The 20LP600 produces up to 1300 lumens initial emergency light output. During emergency illumination, one lamp is illuminated, even if installed with a multi-lamp AC ballast. Emergency lumen output will be less with a compact fluorescent lamp.

### Compatibility:

Operates one 8W-54W T5/T5HO, one 17W-40W T8 through T12, one 13W-42W 4-pin compact or one 18W-50W 4-pin long compact fluorescent lamps. It is also compatible with most electronic and dimming AC ballasts. If used in an emergency-only fixture, no AC ballast is necessary.



Lamp	Initial Lumens
1-lamp	
T5 14W	700
T5 21W	850
T5 28W	1100
T5HO 39W	1200
T5HO 54W	1300
T8 17W	950
T8 32W	1100
T12 20W	900
T12 40W	1200

Lamp	Initial Lumens
1-lamp	
4-pin PL CF 13W	800
4-pin PL CF 18W	950
4-pin PL CF 26W	975
4-pin PL CF 32W	1025
4-pin PL CF 42W	1075
4-pin Long CF 18W	925
4-pin Long CF 24W	950
4-pin Long CF 36W	1025
4-pin Long CF 40W	1050
4-pin Long CF 50W	1100



## Specifications:

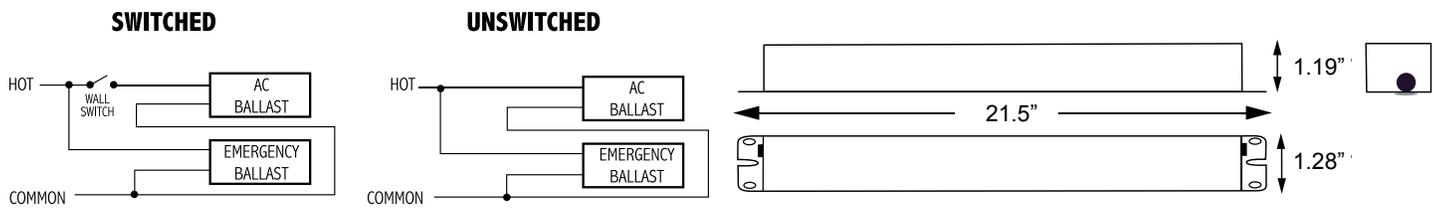
The TCP 20LP600 emergency ballast consists of a high-temperature, maintenance-free nickel-cadmium battery, charger and electronic circuitry in a durable metal case with a life expectancy of 7 - 10 years. A solid-state charging indicator light to monitor the charger and battery, single-pole test switch and installation hardware shall be provided.

## Applications:

The 20LP600 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. The ballast has additional features, such as time-delay enhancement and open circuit isolation that enables the emergency battery pack to function smoothly with 'End-of-Lamp-Life' circuitry in newer AC ballasts. This would provide an additional level of unit production from over-voltage caused by an absence of lighting load.

## Installation:

The 20LP600 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 20LP600 may be installed on top of or remote from the fixture. 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 20LP600 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 20LP600 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