

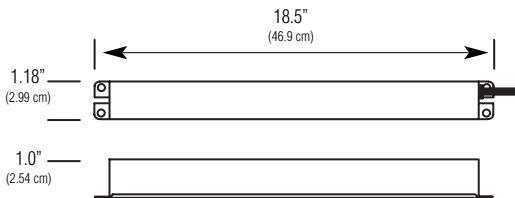
GENERAL DESCRIPTION

The CTP520T Fluorescent Emergency Ballast converts switched and unswitched fluorescent lighting into code required emergency lighting. The CTP520T may be installed in or on the fixture to provide unobtrusive life safety protection.

ILLUMINATION

The CTP520T provides 90 minutes of one lamp emergency illumination by utilizing existing fluorescent lighting, and produces 520 lumens initial emergency light output. The CTP520T can be used with most 2' to 4' 21w to 28w T5 fluorescent lamps without integral starters or 4' linear fluorescent lamps. It is also compatible with most electronic and dimming AC ballasts. See lamp operation for specific lamp types.

DIMENSIONS



Dimensions are approximate and subject to change.

CTP520T

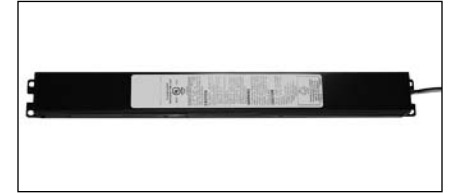
Low-Profile Fluorescent Emergency Ballast For One Lamp Emergency Operation 520 Lumen Maximum Output



HOUSING

Housing is constructed of 22 gauge steel with a high temperature powder coat paint finish.

Low profile housing allows mounting in most low-profile fluorescent fixtures with low profile AC ballast.



SHOWN: CTP520T

ELECTRONICS

120/277 VAC dual voltage input with solid-state charging circuitry provides a reliable charging system.

Charging system is complete with an indicator light and single-pole push to test switch.

BATTERY

Maintenance free, high temperature sealed nickel cadmium battery

Supplies 90 minutes of emergency power

Estimated service life of 10 years

Operating temperature range of 32°F (0°C) to 122°F (50°C)

LAMP OPERATION¹

Operates the following lamp types in emergency mode:

21w to 28w, 2' to 4' T5 (5/8") Linear Fluorescent

32w, 4' T8 Linear Fluorescent

End of lamp life compatible

NOTES:

1) Consult factory for compatibility and performance of product with lamp types not listed.

CODE COMPLIANCE

UL 924 listed

Suitable for use in sealed and gasketed luminaires

NFPA 70 and NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

ELECTRICAL SPECIFICATIONS

Input power requirements

1.5 watts max.

WARRANTY

One year full electronics warranty

One year full battery warranty

ORDERING INFORMATION

CTP520T

LOW PROFILE FLUORESCENT EMERGENCY BALLAST

CTP520T = 520 Lumen Max. Output
Fluorescent Emergency Ballast
for One Lamp Operation

Specification Data for CTP520T Fluorescent Emergency Ballast

HOUSING

Housing is constructed of 22 gauge metal with a high temperature powder coat finish.

Housing is very slim and compact, allowing for mounting in most low-profile fluorescent fixtures with low profile AC ballast.

ELECTRONICS

Dual voltage 120/277 VAC input is standard.

A one-piece indicator light and test switch are available to signify that AC utility is present, and provide local means of transfer to emergency operation.

Battery charging circuitry is entirely solid-state, and of a constant current design. Battery recharge time after a complete discharge is less than the required UL 924 standard.

Solid-state circuitry causes an instantaneous transfer to battery power if either the loss of AC utility, or a brownout condition is detected. When line voltage is present and stabilized, the transfer circuitry switches back to normal operation and begins recharging the battery.

BATTERY

Sealed, maintenance free nickel cadmium battery is equipped with a quick connect plug assembly for easy installation.

Standard sustained emergency operation is for 90 minutes with the illumination source providing full light output.

The suggested operating temperature range for nickel cadmium batteries is of 32°F (0°C) to 122°F (50°C) and should provide a service life of 10 years.

ELECTRICAL SPECIFICATIONS

Input power requirements

1.5 watts max.

CODE COMPLIANCE

The CTP520T meets or exceeds all performance standards as required by UL 924, NEC, NFPA 70, NFPA 101, NEC, BOCA, OSHA and IBC. The CTP520T is suitable for use in sealed and gasketed luminaires.

LAMP OPERATION AND PERFORMANCE

Table 1

LINEAR LAMPS	WATTAGE	BASE TYPE	EMERGENCY LAMP OPERATION
T5	21-28	Bi-Pin	One
T8	32	Bi-Pin	One

SUGGESTED SPECIFICATION

Furnish and install Chloride Systems' low-profile fluorescent emergency ballast model CTP520T. The unit shall be constructed to meet Underwriter's Laboratories, Inc. Standard #924 and the National Electrical Code (NEC), and be approved for installation inside or on top of the chosen luminaire.

INSTALLATION AND OPERATION - Unit shall be easily field connected to a 120 or 277 VAC, 60 hertz, unswitched power source. Installation must comply with the NEC as well as other applicable codes. Upon utility power failure or brownout, the unit shall automatically transfer to battery power and maintain the required illumination for a minimum period of 90 minutes. Upon restoration of utility power, the charger shall restore the battery to full charge within UL 924 requirements following a rated discharge of not more than 90 minutes.

CHARGER - Unit shall utilize a solid-state, constant current charging system which will maintain the battery at full capacity without the need for periodic exercising or equalization.

BATTERY - The battery shall be a maintenance free, high temperature nickel cadmium battery. The nickel cadmium battery shall provide trouble-free operation in ambient temperatures up to 122°F (50°C). Nickel cadmium batteries shall be supplied with a one year full warranty.

ENCLOSURE - The housing shall be constructed of 22 gauge steel with a high temperature powder coat paint finish. The slim housing shall allow for mounting in most low-profile fluorescent fixtures with low profile AC ballast.



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