



Job Name: \_\_\_\_\_

Type: \_\_\_\_\_

Part #: \_\_\_\_\_

Notes: \_\_\_\_\_

# LS1400TD-SDT

Fluorescent Emergency Ballast 1400 Lumens with Self-Diagnostics

STANDARD



## ILLUMINATION

- Works with or without an AC ballast to convert new or existing fluorescent fixtures in to unobtrusive emergency lighting.
- Operates one or two lamps in the emergency mode for a minimum of 90-minutes.
- Provides a maximum initial lumen output of 1400 lumens.

## ELECTRICAL

- Universal 120-277 voltage.
- Charge rate/power "ON" LED indicator light and push-to-test switch for mandated code compliance testing.
- 6V long life, maintenance-free, rechargeable sealed NiCd battery.
- Internal solid-state transfer switch automatically connects the internal battery to fluorescent lamp(s) for minimum 90-minute emergency illumination.
- Fully automatic solid-state, two rate charger initiates battery charging to recharge a discharged battery in 24 hours.
- Time delay enhancement to overcome end-of-life circuit protection.
- Self-diagnostics feature performs monthly biannual and annual tests to ensure reliable operation and meet electrical and life safety codes.

## MOUNTING

- Suitable for installation inside, on top or in remote\* of the fixture.
- Can be used in both switched and unswitched fixtures.
- UL Listed for factory or field installation.

## HOUSING

- Durable painted steel construction in white finish.
- Compact design fits most fluorescent fixtures.

\* When battery packs are remote mounted, the remote distance cannot exceed 1/2 the distance from ballast to lamp specified by the A.C. ballast manufacturer. The maximum allowable remote mounting distance is 50 feet.



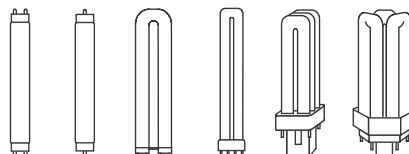
Bi-Color LED Test switch included.

## WARRANTY/LISTING

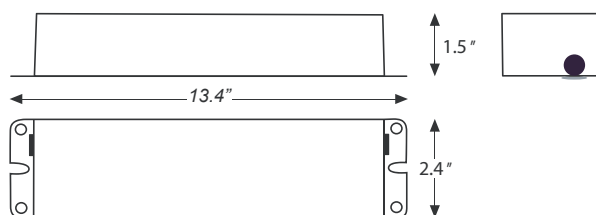
- Five year warranty against defects in material and workmanship (lamps excluded).
- Meets UL924, NFPA 101 Life Safety Code, NEC, OSHA, Local and State Codes.
- UL Listed for damp locations (0°C – 50°C).
- Suitable for use in sealed and gasketed fixtures.

## LAMP COMPATIBILITY

- Compatible with most one-, two-, three-, and four-lamp electronic standard and dimming AC ballasts.
- Operates one or two T5, T5HO, T8, T12, T8HO, T12HO, Circular T5/T9, U-bend T8/T12, 4-Pin CFL and long CFL lamps in emergency mode. Refer to the chart on the next page for a complete list of compatible lamps.



## DIMENSIONS



| MODEL         | DESCRIPTION  |
|---------------|--|
| LS1400TD-SD T | 1400 Lumens Fluorescent Emergency Ballast with Time Delay and Self-Diagnostics |



Job Name: \_\_\_\_\_

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### ELECTRICAL INFORMATION

| CATALOG NUMBER | INPUT WATTS (W) |      | INPUT AMPS (A) |      |
|----------------|-----------------|------|----------------|------|
|                | 120V            | 277V | 120V           | 277V |
| LS1400TD-SDT   | 8.4             | 8.4  | 0.12           | 0.07 |

### LAMP COMPATIBILITY CHART

| LAMP TYPE | WATTS | INITIAL LUMENS |        |
|-----------|-------|----------------|--------|
|           |       | 1-Lamp         | 2-Lamp |
| T5        | 14    | 900            | 950    |
| T5        | 21    | 1050           | 1100   |
| T5        | 28    | 1150           | 1225   |
| T5        | 35    | 1200           | n/a    |
| T5HO      | 24    | 1100           | 1200   |
| T5HO      | 39    | 1200           | 1300   |
| T5HO      | 54    | 1350           | 1400   |
| T8        | 17    | 1000           | 1100   |
| T8        | 25    | 1100           | 1200   |
| T8        | 28    | 1150           | 1250   |
| T8        | 32    | 1300           | 1350   |
| T8        | 40    | 1350           | 1400   |
| T8HO      | 44    | 1350           | n/a    |
| T8        | 51    | 1400           | n/a    |
| T8        | 59    | 1400           | n/a    |
| T8HO      | 86    | 1400           | n/a    |
| T12       | 25    | 750            | 800    |

| LAMP TYPE  | WATTS | INITIAL LUMENS |        |
|------------|-------|----------------|--------|
|            |       | 1-Lamp         | 2-Lamp |
| T12        | 30    | 800            | n/a    |
| T12        | 34    | 850            | 975    |
| T12        | 40    | 950            | 1050   |
| T12        | 75    | 1300           | n/a    |
| T12HO      | 95    | 1400           | n/a    |
| T12HO      | 110   | 1400           | n/a    |
| T12HO      | 160   | 1400           | n/a    |
| T12HO      | 215   | 1400           | n/a    |
| CFL G24q-1 | 13    | 725            | 850    |
| CFL G24q-2 | 18    | 800            | 875    |
| CFL G24q-3 | 21    | 850            | 900    |
| CFL G24q-3 | 26    | 950            | 1000   |
| CFL G24q-3 | 32    | 1025           | 1100   |
| CFL G24q-4 | 42    | 1160           | 1250   |
| CFL G24q-5 | 57    | 1300           | n/a    |
| CFL 2G11   | 18    | 900            | 950    |
| CFL 2G11   | 24    | 1000           | 1075   |
| CFL 2G11   | 36    | 1050           | 1150   |

| LAMP TYPE   | WATTS | INITIAL LUMENS |        |
|-------------|-------|----------------|--------|
|             |       | 1-Lamp         | 2-Lamp |
| CFL 2G11    | 40    | 1100           | 1175   |
| CFL 2G11    | 50    | 1200           | 1300   |
| CFL 2G11    | 55    | 1300           | n/a    |
| CFL GR10q-4 | 10    | 525            | 600    |
| CFL GR10q-4 | 16    | 650            | 750    |
| CFL GR10q-4 | 21    | 800            | 875    |
| CFL GR10q-4 | 28    | 900            | 975    |
| CFL GR10q-4 | 38    | 1050           | 1150   |
| CFL GR10q-4 | 55    | 1300           | n/a    |
| Circular T9 | 32    | 750            | 800    |
| Circular T9 | 40    | 900            | 1050   |
| Circular T5 | 22    | 850            | 950    |
| Circular T5 | 40    | 1100           | 1200   |
| Circular T5 | 55    | 1300           | n/a    |
| U-bend T8   | 32    | 825            | 900    |
| U-bend T12  | 34    | 875            | 950    |
| U-bend T12  | 40    | 800            | 925    |

NOTE: In 2-lamp operation, lumens are equally split between the two lamps.