

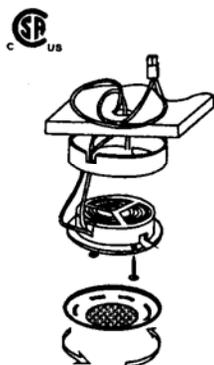


# XENO-89

## INSTALLATION INSTRUCTIONS

### IMPORTANT NOTICE

#### (A) Surface Mounting



1. Drill 5/8" (16mm) hole for wire.
2. Feed wire through hole in mounting surface.
3. Attach mini-pot with long screws included. Some application may require pre-drilling. Use 1/16 drill for pilot hole.
4. T5 wedge base XENON – 18 Watt bulb is included with your mini-pot light.
5. Install bulb cover – turn-clockwise to lock into position.
6. Connect to  approved 12 Volt, Class 2 power source. This is provided when you purchase your **DAINOSTARS** in a kit format.

#### Facia Assembly



#### (B) Recessed Mounting CSA



1. Drill 2 5/8" (67mm) hole in mounting surface.
2. Remove distance ring and feed wire through hole.
3. Attach mini-pot to surface using short screws provided. Some application may require pre-drilling. Use 1/16 drill for pilot holes.
4. T5 wedge base XENON – 18 Watt bulb is included with your mini-pot light.
5. Install bulb cover – turn-clockwise to lock into position.
6. Connect to CSA approved 12 Volt, Class 2 power source. This is provided when you purchase your **DAINOSTARS** in a kit format.

#### SPACING

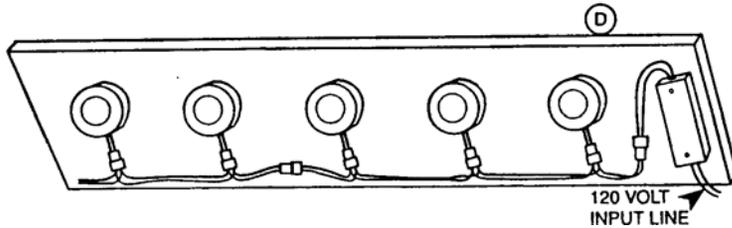
- Do not install less than 12" (30cm) on center.
- When recessed mounting, leave min. 1/2" (1.27cm) air space over top of fixture and between mounting board and surface being fixed to whatever is greater. Provide unimpeded air space over top of fixture within a 5" x 5" area.
- When using in shelving unit or cabinet, **DAINOSTARS** must be at least 10" (25cm) from 1<sup>st</sup>. shelf surface. Also make sure that any object on this shelf is at least 10" (25mm) from light.

#### TRANSFORMERS

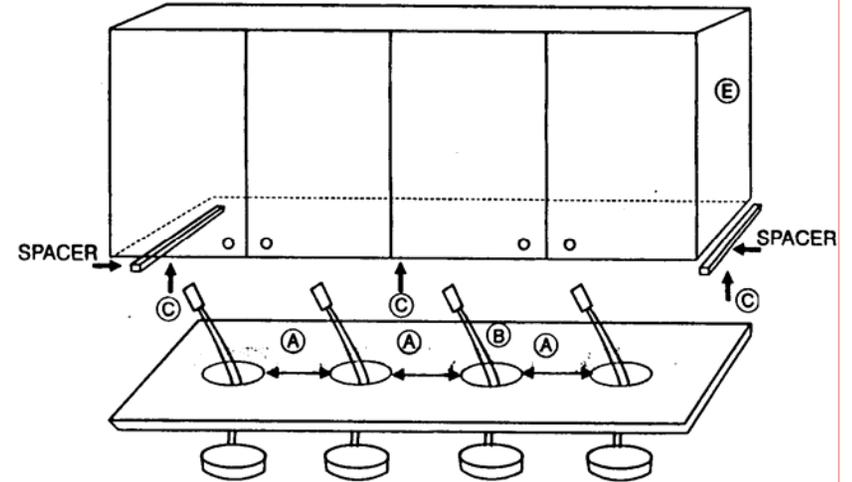
- When purchasing **DAINOSTARS** in a kit the appropriate transformer is included. Each O/P line on 100 & 150 Watt transformers must not exceed 50 Watts. Overloading a line will blow your transformer.
- The 60-Watt transformer is designed for 60 Watt draw on the O/P line.
- When making primary feed to transformer case, make sure 120V connections remain in the immediate area of the entry hole. The transformer itself acts as a barrier between the input line and the 12V O/P line.

**WARNING: Risk of fire or electric shock. This product to be installed by a qualified electrician only."**

## WIRING INSTRUCTIONS



1. Whether lights are surface mounted or recessed mounted, the wiring procedure remains the same.
2. Install bulbs in Dainostars *before beginning* the installation.
3. Install mini-pots on surface or as recessed fixtures.
4. Use wiring harness DLST42 to connect each fixture.
5. Install transformer within 15 feet of your last light. Connect to 120V line and make sure the lid is secured.
6. Connect harness to lead from transformer. Connectors are male & female and can be used in any sequence. If the distance between the connectors is greater than on the harness, do not use that connector but move on to the next closest one. For greater (>) distances than 48" (122cm), connect 2 harnesses together (maximum 3).
7. When using 100 Watt or 150 Watt transformer, you will require a separate harness for each O/P lead. When the transformer is installed further from the lights then the standard harness will reach DLST42, use the required extension to accommodate. These are available in 5 feet (152cm) lengths – model DLST42-5. Do not run wire from transformer beyond 15 feet (457cm). Each 12V O/P line from transformer cannot run more than 50 Watts !
  - A. Minimum distance between fixtures should be 12" (30 cm).
  - B.  5" x 5" x 1/2" shaded area must be clear of obstructions.
  - C. When attaching board holding recessed fixtures (D) to the underside of any cabinet (E), a minimum air space of 1/2" (1.10 mm) over top of fixture must be arranged to provide ventilation. Flush mounting of board (D) to cabinet (E) is not allowed under our approval.



### \*AVAILABLE TRANSFORMERS

#### DMPI60



12V 60W electronic plug-in transformer with in-line switch  
Cord is 12' long, terminated with female connector, Class 2  
For use with 3 lights.

### CLASS 2 TRANSFORMERS

#### DMTR60-43

12V 60 VA c/w one lead – use with 3 lights

#### DMTR100-43

12V 100 VA c/w two leads – use with 5 lights

#### DMTR150-43

12V 150 VA c/w three leads – use with 7 lights

**Please note each transformer lead cannot be connected to more than three lights!**

#### DLST42



Wiring harness connects up to 4 housing over a maximum distance of 4 ft.

#### DLST42-5



Extension cord (60" /152cm) c/w one male and one female connector.

#### DPTR-60

12V 60 VA electronic transformer  
6' (183 cm) SPT2 wire with polarized plug on primary.

12" (30 cm) SPT2 wire with female connector on secondary.

