

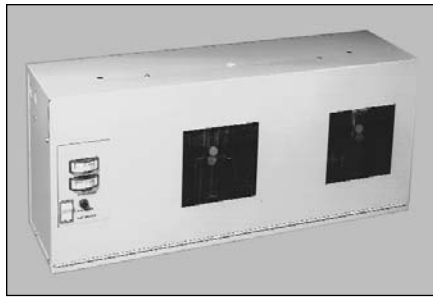
Type No. _____
 Job Name _____
 Catalog No. _____



T12 Series



Shown: T12150



Shown: T12300VA

- High Capacity Industrial Emergency Units
- 12 Volt, 150 - 450 Watts
- Free Electrolyte, Wet Cell, Lead Calcium Battery

Battery

- Low-maintenance, free electrolyte battery
- Microporous rubber plate separators
- Specific gravity disk indicators show relative state charge at a glance
- Optimum operating range for sealed lead calcium batteries is 65°F (19°C) to 85°F (30°C)*

* Increases or decreases in temperature will affect battery performance and/or capacity. Optimum battery performance realized at 77°F (25°C).

Self-Diagnostics (optional)

- OnmiTest Self-Diagnostics option includes automatic and manual tests to ensure unit is operating properly, and assists user in meeting code requirements.
- Verifies battery voltage and lamp continuity every 10 seconds.
- Illuminates lamps and discharges battery for 3 minutes every 30 days. A manual test is available from 1 to 90 minutes.

Code Compliance

- UL 924 listed
- NFPA 101, NEC, BOCA, OSHA, and IBC illumination standards

Warranty

Electronics: 3 years
 Battery: 1 year full, 4 years pro-rata

Operation

Housing

- 18 gauge steel cabinet with a tan epoxy powder coat finish
- Knockouts allow one to three mounted lamp heads
- Bi-color LED charge monitor/indicator
- Choice of wedge base, sealed beam tungsten, or halogen lamp heads
- "Press-to-test" switch

Electronics

- 120/277 VAC selectable input
- Brownout protection activates lights when AC voltage drops 20% below nominal
- Labor saving AC lockout feature
- Low voltage disconnect prevents deep battery discharge
- Load relay with fused distribution load circuits
- Two fused output circuits
- Utilizes a fully automatic voltage regulated two-rate current limited solid-state charger -- initially provides a high rate charge upon restoration of AC power, and provides trickle charge to maintain batteries at full capacity once float voltage is attained
- Solid-state charging circuitry will charge a fully discharged battery within UL 924 requirements

Electrical Specifications

120 VAC - 0.66 amps, 80 watts
 277 VAC - 0.30 amps, 80 watts

Application

- Industrial locations where a high capacity emergency lighting unit with multiple remote fixture capability is desired

Model	Sugg. Head	AC Input		DC Voltage	Watts to 87½ of Rated Voltage++			
		Voltage	Wattage+		1½ hrs.	2 hrs.	4 hrs.	8 hrs.
T12150	H1212T	120/277	80 max.	12	150	112.5	57	30
T12200	H1212T	120/277	80 max.	12	200	150	96	34
T12300	H1212T	120/277	80 max.	12	300	225	114	60
T12450	H1212T	120/277	80 max.	12	450	337.5	171	90

+ Based on high rate charge after power loss

++ Per NEC Specifications

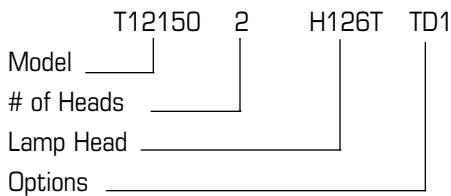
Ordering Information

MODEL	# OF HEADS	LAMP HEAD TYPE	OPTIONS ¹
T12150 = 12 Volt, 150 Watt T12200 = 12 Volt, 200 Watt T12300 = 12 Volt, 300 Watt T12450 = 12 Volt, 450 Watt	3 = Three 2 = Two 1 = One blank = No lamp heads	See lamp head selection chart below for additional heads	A = Ammeter ² ACF1 = 120 VAC Fuse ACF2 = 277 VAC Fuse ACP1 = 120 VAC Power Switch ACP2 = 277 VAC Power Switch DCP = DC Power Switch EX = Special Input Transformer (specify voltage & frequency) OT = OmniTest Self-Diagnostics OTAL = OmniTest w/ Alarm OTTD = OmniTest w/ Time Delay ³ TD1 = 120 VAC Time Delay ³ TD2 = 277 VAC Time Delay ³ V = Voltmeter ²

ACCESSORIES (Ordered Separately)
WG = Wire Guard MXSHELF = Mounting Shelf LMSHELF = Mounting Shelf for T12300, T12400 URT612 = Universal Remote Test (URT)

NOTES:
 1) Some option combinations may impact UL listing. Consult factory for specifics.
 2) Not available with OT, OTAL, or OTTD options.
 3) 15 minute delay.


Ordering Example



Lamp Head Selection

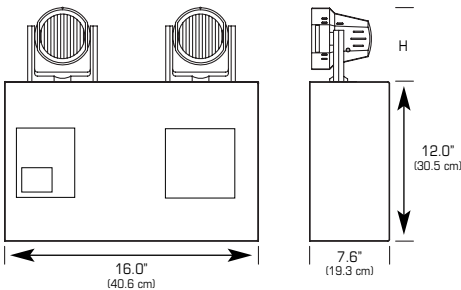
LightGuard's H-Head is the suggested head for the T12 Series. The H-Head is constructed of high impact polycarbonate, and is offered in tan to match the T12 housing. The H-Head features dual-axis swivel mount and is available with 12 volt halogen lamps.

LightGuard offers other lamp heads that can be used with the T12 Series. For lamp head details, please refer to the Accessories section of the LightGuard specification binder.

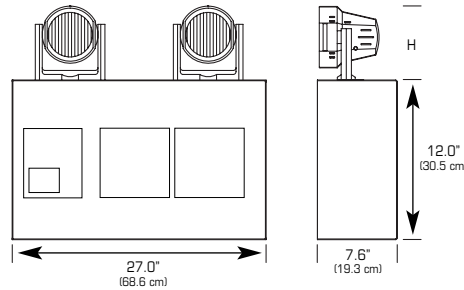
HEAD TYPE	DC VOLTAGE	DC WATTAGE	ORDER CODE
H-Head, Thermoplastic 	12 VOLT HALOGEN	12 watt	Tan H1212T

Dimensions

T12150, T12200



T12300, T12450



Lamp Head	Height (H)
H	3.5" (8.9 cm)
X	6.25" (15.9 cm)
J	5.0" (12.7 cm)
D	6.0" (15.2 cm)

Model	Weight
T12150	44 lbs. (20.0 kg)
T12200	44 lbs. (20.0 kg)
T12300	97 lbs. (44.0 kg)
T12450	97 lbs. (44.0 kg)

Dimensions are approximate and subject to change.

Suggested Specification

Furnish and install LightGuard emergency lighting model _____ . The unit shall be listed to Underwriters Laboratories, Inc. Standard #924 and shall meet the standards of the National Electrical Code (NEC).

INSTALLATION /OPERATION - Unit shall be easily field connected to a 120 or 277 volt, 60 hertz, unswitched power source. Installation must comply with the NEC Code 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 - The T12 Series shall utilize a fully automatic voltage regulated two-rate current limited solid-state charger. The charger shall initially provide a high rate charge upon restoration of AC power, and provides trickle charge to maintain batteries at full capacity once float voltage is attained.

BATTERY - The battery shall be low maintenance, free electrolyte lead calcium battery. The battery shall include microporous rubber plate separators and specific gravity disk indicators to show relative state charge at a glance.

HOUSING - The cabinet shall be constructed of 18 gauge steel finished with a tan epoxy powder coat finish. The cabinet shall have provisions for mounting up to three lamp heads.

CONTROLS - The unit shall include a "Press-to-Test" switch and bi-color LED charge monitor/indicator.

SELF-DIAGNOSTICS (optional) - The unit shall include OmniTest self-diagnostics. OmniTest shall conduct the following automatic tests: battery voltage and lamp continuity every 10 seconds, a 3 minute battery discharge and lamp illumination test every 30 days, and a 30 minute battery discharge and lamp illumination test every 6 months. OmniTest shall also conduct the following manual tests: three minute, 30 minute and 90 minute battery discharge and lamp illumination tests and optional audible alarm test.

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



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