

DUAL LITE

# T-Grid Series

*Decorative Emergency Lighting Unit designed for fast, easy, recessed installation in suspended ceilings. Additional capacity for powering remote fixtures.*

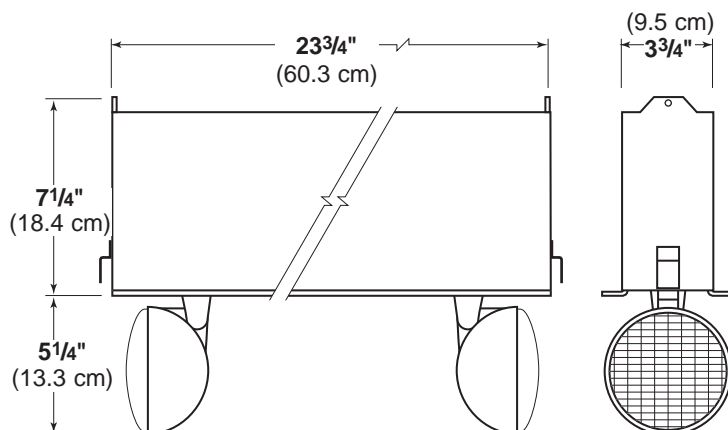
Catalog Number	
Comments	Type



## Features

- Easy to install T-Grid lay-in design
- Completely self-contained
- Compact, low-profile design
- 20-gauge heavy metal housing
- Standard white finish
- 6- and 12-volt models
- Flame-rated, thermoplastic lamp housings
- Fully adjustable, glare-free lighting heads
- Operates for 90 minutes
- Maintenance-free battery
- Fully automatic, solid-state charger with AC lockout
- Thermally compensated charger
- Regulated charge voltage
- Reverse polarity protection
- Filtered charger output
- Short circuit protection
- Automatic battery protection (LVD)
- Universal transformer for 120 or 277VAC operation
- Includes test switch and AC-On pilot light
- Operating Temperature Range: 20° to 30°C (68°F to 86°F)
- Optional Spectron® self-diagnostic/self-testing electronics
- UL 924 Listed (Emergency Lighting)

## Dimensions



Hubbell Lighting, Inc.

### Specifications

#### Construction

**Unit:** 20-gauge sheet metal junction box, back box and mounting plate and injection-molded, thermoplastic lamp housings

**Finish:** White

#### Illumination

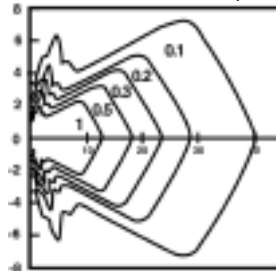
**Lamp Type:** Incandescent

**Lamp Voltage/Wattage:** 6 volt, 7.2 watts or 12 volt, 7.2 watts

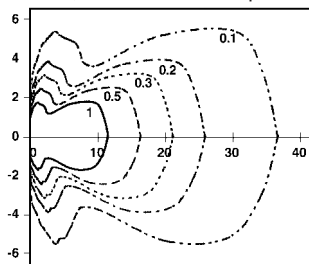
**Rated Lamp Life:** 100 hours

#### Photometrics

6-volt, 7.2 watt SBT lamp



12-volt, 7.2 watt SBT lamp



Photometrics measured by independent testing laboratory

#### Installation

**Unit Mounting:** The T-Grid Series is designed for recessed mounting in suspended grid ceilings. The trim plate dimensions allow placement of the unit between the suspended ceiling's grid support structure. The unit must be fastened to the building's structure in accordance with local codes; holes in the unit's mounting ears facilitate this requirement. Ceiling tile may require trimming for finished installation. AC, DC-battery and remote fixture connections are made inside the unit housing. Lampheads attach directly to unit trim plate.

**Wiring:** AC input leads provided. All AC connections made inside unit housing.

**Operating Temperature Range:** 20° to 30°C  
(68°F to 86°F)

#### Electronics

**Input:** 120/277VAC, 60 Hz. (standard)

**Built-in Protection:** Reverse polarity, short circuit and low battery voltage disconnect

**Charger:** Solid-state, thermally compensated, regulated voltage type

**Transfer:** Solid-state design

**Battery Recharge Cycle:** Per UL time standards

**Test Means:** Integral test switch

**Indicators:** AC-On indicator

#### Battery

**Type:** Sealed, maintenance-free, lead-acid (standard models)

Sealed, maintenance-free, nickel-cadmium (Ni-Cad models)

#### Power Consumption

**Maximum:** 12.7 watts at 120 or 277VAC (6 volt models)

**Maximum:** 27 watts at 120 or 277VAC (12 volt models)

#### Dual-Lite • www.dual-lite.com

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#### Compliances

**UL 924** (all models)

**NFPA-101** (all models)

#### Warranty

**Unit and Electronics:** 3 years full

**Batteries:**

**Standard models:** 3 years full, 3 years pro-rata (6 years total)

**Ni-Cad models:** 1 year full, 9 years pro-rata (10 years total)

#### Product Selector

Fixture Type	Model No.	Voltage	Output Wattage			
			1½ Hrs.	2 Hrs.	3 Hrs	4 Hrs
<b>Standard models</b>						
	TG15	6	15	--	--	--
	TG30	6	30	22	15	12
	TG50-12V	12	50	38	25	20
<b>Ni-Cad battery models</b>						
	T15N	6	15	--	--	--
	TG30N	6	30	22	15	12
	TB50N-12V	12	50	38	25	20
(✓)	<b>Options (add suffix to model)</b>					
	I	Spectron self diagnostic/self testing electronics <sup>(1)</sup>				
	-V	Voltmeter				
	-3	Unit supplied with three lighting heads <sup>(2)</sup>				
	-0	Units supplied without lighting heads				
<b>Accessories (order separately)</b>						
	SRHSW	Remote lighting head (single) <sup>(3)</sup>				
	SRHDW	Remote lighting head (twin) <sup>(3)</sup>				

(1) Spectron not available with NiCad battery models.

(2) Not available with TG15 and TG15N models.

(3) Specify voltage and wattage when ordering. Examples: SRHDW1218

#### Suggested Specification

Self-contained emergency lighting unit shall be Dual-Lite recessed T-Grid Series, model number . It shall be designed to provide automatic emergency lighting for a minimum of 90 minutes upon failure of normal electric power. Unit construction shall consist of a 20-gauge, all-metal housing and trim plate with injection-molded, thermoplastic lamp housings. Unit shall be capable of recessed installation in a suspended grid ceiling. Emergency power source shall be a fully rechargeable, maintenance-free, (lead-acid)(nickel-cadmium) battery. Electronics shall be of solid-state design and include a low voltage disconnect circuit, constant potential charger and AC lock-out to prevent accidental discharge of unit prior to AC power being applied. Unit shall be rated for 120/277VAC, 60 Hz. Controls shall include a test switch and AC pilot light indicator. Lamp housing shall be fully directional. Lighting shall be provided by two 7.2 watt sealed-beam type lamps of glare-free design. Units must comply with all UL 924 and NFPA 101 Life Safety Code requirements. Dimensions to be 23<sup>3</sup>/<sub>4</sub>" (60.3 cm) long x 3<sup>3</sup>/<sub>4</sub>" (9.5cm) wide x 7<sup>1</sup>/<sub>4</sub>" (18.4 cm) high.