# TEMPESTA™ LED ECO

Job: _____ Type: _____

Model: _____ Date: _____

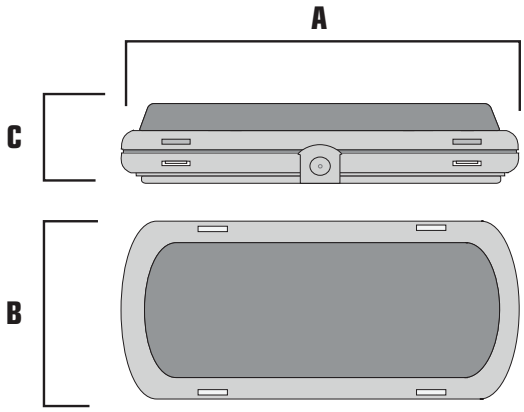
## internal

The **TEMPESTA™ LED ECO** is an emergency light suitable for surface or recessed mount and t-bar. The **TEMPESTA LED ECO** features a nickel metal hydride battery that provides a minimum of 90 minutes of emergency illumination with optional autotest diagnostics. **TEMPESTA LED ECO** is configured with 120-347V input. LED boards are positioned for wall mounting when shipped. Boards can be adjusted on-site for ceiling mount installation. Fuse protection is standard.

## external

The **TEMPESTA LED ECO** housing is constructed with flame and corrosion resistant polycarbonate. Four vandal resistant clips ensure the integrity of the housing. **The TEMPESTA LED ECO** comes finished in gray RAL7035 color. The external test switch and multi-colored LED allows maintenance personnel to quickly determine the operational status of the unit. The **TEMPESTA LED ECO** diffuser is UV stabilized and provides superior light distribution. The **TEMPESTA LED ECO** provides 925 lms while requiring only 11 watts to power.

## dimensions (in,mm)




| MODEL | A | B | C |
|---|---|---|---|
| S (surface) | 17.0" (431.8mm) | 6.7" (170mm) | 2.9" (73.6mm) |
| R (recessed) | 19.25" (488.95mm) | 9.5" (241.3mm) | 3.5" (88.9mm) |
| TB (t-bar) | 2.75" (603.25mm) | 7.5" (190.5mm) | 4.0" (101.6mm) |

## ordering information

| Series | Operation | Input Voltage | Options |
|---|---|---|---|
| TA LED ECO | SE (emergency - AC fail only) | UNV (120-347V) | AT (autotest) |
| | | | B (black housing) |
| | | | RK[1] (recessed kit, white, for drywall/concrete-wall/ceiling) |
| | | | TB (recess trim plate, T-bar mount) |

NOTE 1: Not available in black



Beghelli reserves the right to change, without notice, specifications or materials that in our opinion will not alter the function or performance of the product. Technical specifications that appear on www.beghelliusa.com supersede all other versions existing in print or electronic form.

# Technical

## battery

The **TEMPESTA™ LED ECO** comes standard with an environmentally friendly, nickel metal hydride (Ni-Mh) battery that provides a minimum of 90 minutes emergency duration. The primary feature of Ni-Mh batteries is their long life. Ni-Mh batteries are capable of 500 to 1000 charge and discharge cycles and the expected life of the battery is higher than the minimum required by the current technical standards (EN60598-2-22). Ni-Mh batteries are not subject to the "memory effect," a typical drawback of Ni-Cd batteries, that could result in a reduction in the nominal operation. A further feature of the Ni-Mh batteries is their very high efficiency, more than double that of lead and Ni-Cd batteries.

## temperature

The **TEMPESTA™ LED ECO** operating temperature is 10 to 40°C max (50°F/104°F).

## high-output design

**TEMPESTA LED ECO** uses high-output Samsung LEDs for energy efficiency and long life coupled with a 2-channel design allowing for redundant LED operation. The redundant LED operation ensures the unit will continue to operate at reduced light output in the event one of the LED boards fails. The **TEMPESTA LED ECO** is rated for 100,000 hours at L70.

The **TEMPESTA LED ECO** incorporates an efficient, high output lens and reflector. The diffusion lens has been designed to effectively transmit the greatest amount of lumens with the least transmittal loss. The overalldesignofthe **TEMPESTA LED ECO** results in great performance and increased fixture to fixture spacing. This in turn reduces installation, operational and maintenance costs.

## ac input ratings

| | Voltage (VAC) | | | | | |
|---|---|---|---|---|---|---|
| | 120 | | 277 | | 347 | |
| Operation | Wattage (W) | Rated Current (A) | Wattage (W) | Rated Current (A) | Wattage (W) | Rated Current (A) |
| SE | 5.80 | 0.15 | 6.30 | 0.10 | 7.00 | 0.08 |

## operation

The **TEMPESTA LED ECO** SE unit is normally-off and will illuminate under an AC failure only.

## sanitation listed (SL)

The **TEMPESTA™ LED ECO** is NSF/ANSI standard 2 certified to meet the rigorous sanitation, electrical safety and performance standards of food service environments.

## autotest

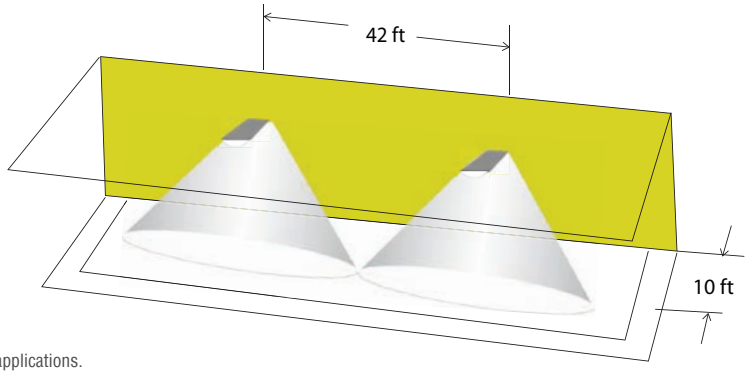
The Beghelli Autotest feature automatically performs one 5 minute discharge test monthly and every 6 months it performs two full discharge tests, 24 hours apart. This tests both full battery capacity and recharge capability. The information is communicated simply and intuitively to maintenance personnel via a single multicolored LED.

## warranty

The **TEMPESTA LED ECO** comes with a 3-year factory warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.

## performance

- 925 lumens in emergency mode
- CCT: 4000K
- Mounting Height: 10 ft.
- Path of Egress: 10 ft.
- Spacing: 42 ft. on Center
- Reflectances: 80/50/20
- Footcandles: Average 1.0FC




Performance data is an estimate and will vary based on real life applications. Average 1.0FC, no point less then 0.1FC. Layout assumes open space with no obstructions.