

# TEMPESTA™ LED ECO



Job: _____	Type: _____
Model: _____	Date: _____



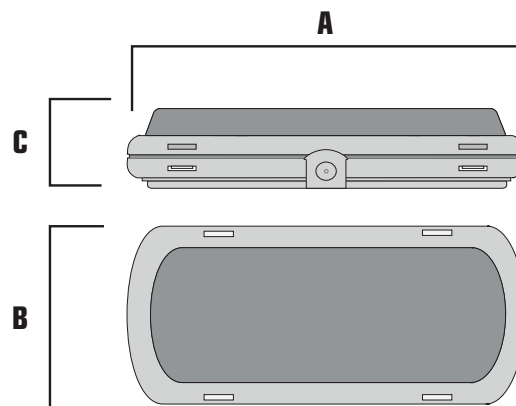
## internal

The **TEMPESTA™ LED ECO** is an emergency light suitable for surface or recessed mount and t-bar. It is available with a choice of operations: SE (emergency only) and SA (AC and emergency). Both the **TEMPESTA LED ECO** SE and SA versions feature a nickel metal hydride battery that provides a minimum 90 minutes emergency duration. Autotest diagnostics is optional on **TEMPESTA LED ECO** SE and SA. **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** series 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

EXAMPLE: TA LED ECO SE UNV AT

Series	Operation	Input Voltage	Options
TA LED ECO	SE (emergency - AC fail only)	UNV (120-347V)	AT (autotest)
	SA (self-powered - always on / EM backup)		B (black housing)
			RK <sup>1</sup> (recessed kit white for drywall/concrete-wall/ceiling)
			TB (Recess trim plate, T-bar mount)

NOTE 1: Not available in black

## ■ battery

The **TEMPESTA™ LED ECO** SE and SA versions 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** SA/ SE operating temperature is 10°C up 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 overall design of the **TEMPESTA LED ECO** results in great performance and increased fixture to fixture spacing. This in turn reduces installation, operational and maintenance costs.

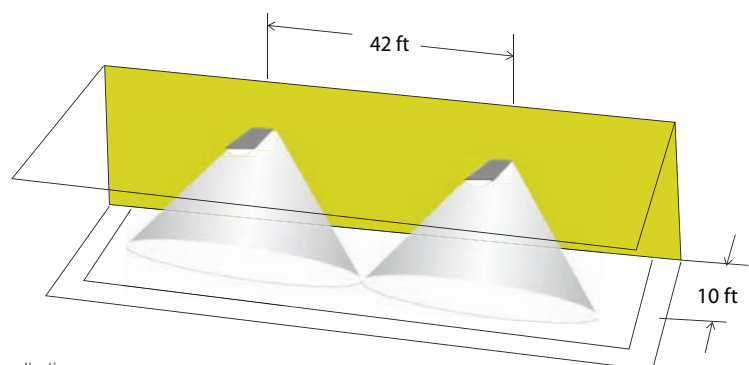
## ■ ac input ratings

Operation	Voltage (VAC)					
	120		277		347	
	Wattage (W)	Rated Current (A)	Wattage (W)	Rated Current (A)	Wattage (W)	Rated Current (A)
SA	22.00	0.40	22.20	0.25	23.50	0.20
SE	5.80	0.15	6.30	0.10	7.00	0.08

## ■ 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 than 0.1FC. Layout assumes open space with no obstructions.



## ■ operation

The **TEMPESTA LED ECO** is available with a choice of operations: SE (emergency only) and SA (AC and emergency). The **TEMPESTA LED** SE (emergency - AC fail only) and SA (always on) comes standard with Ni-MH batteries. Under the SE operation, the unit is normally-off and will illuminate under an AC failure only. SA version is normally-on under SA version is normally-on under normal utility power and the charging circuit maintains the battery at full capacity. The unit may be switched on/off by a built-in 2-wire wall switch control.

## ■ sanitation listed (SL)



The **TEMPESTA™ LED ECO** is sanitation approved. The Intertek verified splash zone listing is equal to the NSF Standard 2, meeting 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.

- Steady Green: Normal operation
- Flashing Green: Testing under way
- Flashing Red/Green: High Charging
- Steady Red: Battery Disconnected
- Flashing Red : Battery Test Failure
- Red Double Blink: Battery Charging Failure
- Red Three Blink: LED Failure

## ■ warranty

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