

# Tempesta 27W Fluorescent



## PRODUCT OVERVIEW

The TEMPESTA series emergency unit has been designed to be efficient, architecturally pleasing and easy to install. The high output lens and reflector allow for greater fixture to fixture spacing. The removeable hood increases the light output at the floor level. The TEMPESTA comes standard with a Ni-Cad battery pack and the Beghelli Auto-Test circuit. Environmentally friendly Nickel Metal Hydride (Ni-Mh) batteries are available.

## EXTERNAL SPECIFICATIONS

The TEMPESTA series housing is constructed from high quality corrosion, flame and vandal resistant polycarbonate. Vandal resistant latch clips ensure the integrity of the TEMPESTA. Mounting locations for ceiling or wall installations are clearly marked on the housing. The TEMPESTA comes finished in a standard grey RAL 7035 color. An external test switch allows for momentary test operation.

## REFLECTOR

The TEMPESTA reflector is made of injection molded, self-extinguishing, UV stabilized polycarbonate. Vacuum finishing results in a highly reflective surface. The reflector supports components including the lamp holder and reflective hood.

## DIFFUSER

The TEMPESTA diffuser is UV stabilized to reduce the yellowing index and provide superior light output. The co-injection process increases the strength and durability of the TEMPESTA diffuser.

## INSTALLATION

Surface or recess ceiling and wall mounting. Suitable for wet location installations on normally inflammable surfaces.

## ORDERING INFORMATION

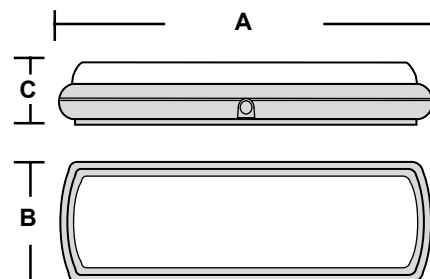
Series	Lamps	Operation	Input Voltage	Auto-Test	Options
TA	27 (1x27w PL fluorescent)	HT (AC only)	US (120v)	*AT (auto-test)	NM (Ni-Mh batteries)
		SE (emergency only)	US2 (277v)		RTP (recess trimplate)

EXAMPLE: TA27-SE-US-AT  
DESCRIPTION: Tempesta emergency luminaire, emergency only, 120 volt, auto-test

\*Beghelli Auto-Test comes standard on all TEMPESTA emergency units.



## DIMENSIONS (in.)



Wattage	A"	B"	C"
1x27W	17"	6 1/2"	3 1/2"

## Recess Trim Plate

The TEMPESTA series can be ordered with the optional (RTP) recess trim plate.



# Tempesta Technical Data

## BATTERY TECHNOLOGY

The TEMPESTA series is offered standard with a 4 cell nickel cadmium battery pack that provides a minimum of 90 minutes emergency duration.

### NICKEL METAL HYDRIDE BATTERIES

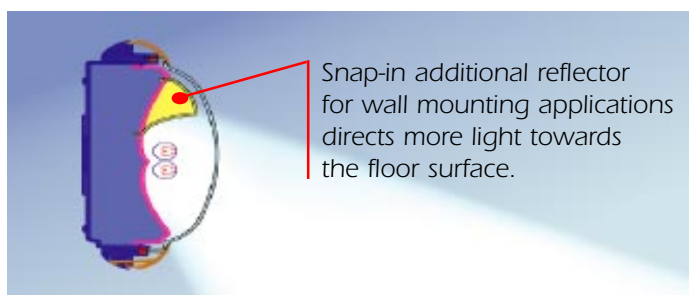
An optional power source available with the TEMPESTA series are nickel metal hydride (Ni-Mh) batteries. Introduced by Beghelli as a completely new technology for emergency lighting, Ni-Mh batteries represent the most advanced power source available in the field of emergency lighting. The primary feature 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. Nickel Metal Hydride batteries have a low environmental impact and are recycleable. No toxic or dangerous elements are used in their production. In consideration of these factors, Ni-Mh batteries are recognized as the most technologically advanced solution for emergency lighting.

## LAMP TECHNOLOGY

The TEMPESTA unit incorporates a 27 watt compact fluorescent lamp (1800 lumens output). The percentage of lumens lost is less than 3% due to the highly efficient reflector and lens design. This in turn, translates into energy efficiency, increased fixture spacing and lower installation costs.






## HIGH-OUTPUT DESIGN

The TEMPESTA unit incorporates an efficient high output lens and reflector. Electrostatic vacuum technology is used in the manufacturing of the reflector, resulting in a high transmission mirror-like finish. The diffusion lens has been designed to effectively transmit the greatest amount of luminaires with the least transmittal loss. A removeable reflecting hood allows for directional control of the luminaires, increasing the light output at the floor level; resulting in greater fixture to fixture spacing. This in turn reduces installation, operational and maintenance costs overall.



## AUTO-TEST DIAGNOSTICS

The TEMPESTA is supplied standard with a fully configured auto-test feature that continually monitors the functional operation of the unit. The lamp, battery and circuitry are continually tested to ensure proper operation. A visual display alerts of any malfunctioning component.

-  Flashing Red: Emergency Inhibited
-  Red: Battery or Circuit Malfunction
-  Yellow: Lamp Malfunctioning
-  Flashing Yellow: Test Inhibited
-  Green: Normal Operation

Beghelli auto-test is comprised of an 8-bit microprocessor capable of integrating a large number of functions. Auto-test continually monitors the functional operation of the lamps, battery and circuitry. Periodic emergency duration tests are internally simulated to ensure proper operation during an actual power failure. The functionality test, which is internally simulated weekly, is used to check all functions of the lamps over a one (1) minute period. The emergency duration test, which is run every six (6) months, is used to check all functions of the lamps and battery over a period of time equal to the emergency duration required under the relevant Code or Standard. Results of the tests are displayed by the multi-color LED located on the front panel of the TEMPESTA where it can be quickly and easily read by maintenance personnel.

## IP65 / WET LOCATION GASKETING

The TEMPESTA carries an IP65 / Wet location rating due to the advanced liquid silicon gasketing that completely seals the unit from moisture infiltration. Emergency units are especially vulnerable to fire sprinkler activation since emergency lighting units are often installed right next to sprinkler heads. The IP65 / Wet location rating ensures protection not just from ambient moisture but also from jets of water like those given off by broken or activated sprinkler heads.

## VANDAL RESISTANT DESIGN

The TEMPESTA series diffuser has been designed to fully enclose and protect the lamp assembly. Vandal resistant flush housing latch clips ensure the integrity of the TEMPESTA and discourage fixture tampering.

## WARRANTY

The TEMPESTA comes from the factory with an unconditional 5 year product warranty. Lamp is not covered.