

# Talking Lights® Fluorescent Ballasts

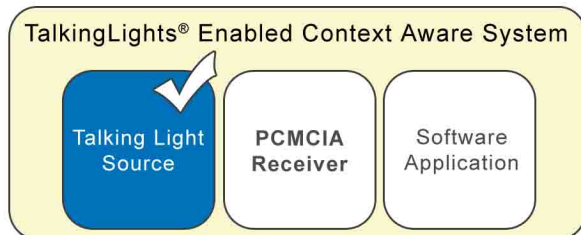


## Reballast Fixtures to Create Location Beacons

Talking Lights Location Beacon Ballasts serve as location sources in the Talking Lights Location System. Install them in fluorescent lamp fixtures to create a locating network in your building.

A communications link is created by modulating the lamp's output. The patented data encoding method ensures bright illumination without visible flicker. Each light repeatedly transmits its own unique location ID code. When a person carrying a portable receiver approaches the light, the receiver decodes the data and sends the ID code to the host computer's application software.

We call the Talking Lights System a dual-use, local area wireless system for data transmission because the lights it uses continue to perform their original function—providing illumination—while simultaneously establishing an information link.



## Applications

- Navigation in hospitals, universities, retail facilities
- Location determination in museums, retail and security
- Location triggered security for mobile data
- Personnel monitoring and logging
- Context-aware mobile computing
- Temporary Installations
- Limited only by your imagination

## FEATURES

- Proprietary, flicker-free modulation of lamp output to transmit information.
- Transmits unique location beacon ID for context awareness and navigation applications.
- Use with Talking Lights Receivers and software.
- 120V-only and universal input (105-305V) models.
- Microcontrolled program rapid start for long lamp life in frequently switched applications (120V model).
- Instant start for energy savings (universal input model).
- Highly efficient operation: low electric bills, less heat, less load on air conditioning.
- Operation of single standard F32T8 4-foot lamp or electrical equivalent U-bent F32T8U.
- Internal protection for lamp removal and overcurrent conditions.
- Relamping without power cycling.
- UL Listed.
- High power factor.
- Ballast protected by one or more of the following US Patents: 6,198,230, 6,400,482, 6,504,633, 6,794,831, & 7,016,115. Other patents pending.

## SPECIFICATIONS

Dimensions: 9.5"L x 2.125"W x 1.46"H  
(242 x 54 x 37 mm)  
Power: 120Vac or 105Vac-305Vac, 60 Hz  
Lamp: F32T8 4-foot 32W T8-type lamp  
More detail on reverse



**TALKING LIGHTS®**  
LIGHT-BASED COMMUNICATIONS NETWORKS

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