

# ECOLUX 6608 Series

EXPLOSION PROTECTED FLUORESCENT EMERGENCY  
LUMINAIRES FOR HAZARDOUS  
AND CORROSIVE APPLICATIONS



**LIGHTING**



## CLASSIFICATIONS

NEC & CEC

Class I, Zone 2, Group IIC T5

Class I, Division 2, Groups A,B,C,D

Class II, Divisions 1 & 2, Groups E,F,G

Class III

Types 3, 4, 4X & IP66

File No. J.I.3012747



Ambient Temperature Range:

+40°C (+104°F) Max.

0°C (32°F) Min.

## Emergency Fluorescent Luminaires with Battery Back-up Unit for Div. 2 and Zone 2 Applications

Luminaires for use with Standard T8 Med. Bipin Lamps

### Ordering Information for Application in the USA

Catalog Number	Description
17 Watts, 2'	
6608/532-9027-8000	2-lamp luminaire 120 to 277V 50/60Hz, 1 x 3/4" NPT both ends
32 Watts, 4'	
6608/552-9027-8000	2-lamp luminaire 120 to 277V 50/60Hz, 1 x 3/4" NPT both ends

### Ordering Information for Application in Canada

Catalog Number	Description
17 Watts, 2'	
6608/532-9027-5000	2-lamp luminaire 120V 50/60Hz, 1 x 3/4" NPT both ends
6608/532-9027-7000	2-lamp luminaire 347V 50/60Hz, 1 x 3/4" NPT both ends
32 Watts, 4'	
6608/552-9027-5000	2-lamp luminaire 120V 50/60Hz, 1 x 3/4" NPT both ends
6608/552-9027-7000	2-lamp luminaire 347V 50/60Hz, 1 x 3/4" NPT both ends

For one 1/2" NPT entry thread at both ends, change this **2** into a **1**.  
For two 1/2" NPT entry threads at both ends, change this **2** into a **5**.

For parts and accessories see pages B11-B13.

## FEATURES

The ECOLUX 6608 Series of Emergency Luminaire is equipped with one high temperature, maintenance free, nickel-cadmium battery back-up unit with a life expectancy of 7–10 years. In case of power failure it automatically switches over to battery supply keeping two lamps illuminated at reduced lumen output for a minimum of 90 minutes. When AC power is restored, the luminaire returns to AC supply. When the Red LED indicating light is illuminated the battery is being charged or monitored. It is visible from the outside through the lens.

The ECOLUX 6608 Series is also supplied with an AC electronic instant start ballast unit and is available in 2 x 17W or 2 x 32W parallel lamps. This keeps the luminaire functional should one lamp fail. The power factor is  $\geq .99$ . The electronic ballast meets ANSI C82.11 standards regarding harmonic distortion.

The ECOLUX 6608 Series are designed for hostile and hazardous locations where reliability and rugged performance are critical. The housing is constructed of heavy-duty fiberglass reinforced polyester (FRP) with a single piece, low glare polycarbonate lens.

## INSTALLATION

The luminaire includes threaded NPT openings with grounded back plates and NPT close-up plugs. For MC Cable installation use TMC cable glands (See page B13). For conduit installation use conduit hub 8166/11-0 • N (See page B11).

The luminaire must be wired with a permanent charging phase which needs to be the same potential as the switched phase.

The appropriate lamps are standard T8 medium bi-pin lamps.



INNOVATIVE EXPLOSION PROTECTION by R. STAHL 1-800-782-4357

**B10**