

# EXLUX 6408 Series

EXPLOSION PROTECTED FLUORESCENT EMERGENCY  
LUMINAIRES FOR HAZARDOUS  
AND CORROSIVE APPLICATIONS



## Emergency Fluorescent Luminaires with Battery Back-up Unit and Lens Interlock Switch 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'	
6408/532-9027-8141	2-lamp luminaire 120 to 277V 50/60Hz, dead-end wiring, 1 x 3/4" NPT both ends
32 Watts, 4'	
6408/552-9027-8141	2-lamp luminaire 120 to 277V 50/60Hz, dead-end wiring, 1 x 3/4" NPT both ends
6408/552-9627-8161	2-lamp luminaire 120 to 277V 50/60Hz, 6 wire feed-thru, 1 x 3/4" NPT both ends

### Ordering Information for Application in Canada

Catalog Number	Description
17 Watts, 2'	
6408/532-9027-5141	2-lamp luminaire 120 V 50/60Hz, dead-end wiring, 1 x 3/4" NPT both ends
6408/532-9027-7141	2-lamp luminaire 347 V 50/60Hz, dead-end wiring, 1 x 3/4" NPT both ends
32 Watts, 4'	
6408/552-9027-5141	2-lamp luminaire 120 V 50/60Hz, dead-end wiring, 1 x 3/4" NPT both ends
6408/552-9627-5161	2-lamp luminaire 120 V 50/60Hz, 6 wire feed-thru, 1 x 3/4" NPT both ends
6408/552-9027-7141	2-lamp luminaire 347 V 50/60Hz, dead-end wiring, 1 x 3/4" NPT both ends
6408/552-9627-7161	2-lamp luminaire 347 V 50/60Hz, 6 wire feed-thru, 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 B6-B8.

## LIGHTING



### CLASSIFICATIONS

NEC & CEC

Class I, Zone 2, Group IIC T4

Class I, Division 2, Groups A,B,C,D, T4

Class II, Divisions 1 & 2, Groups E,F,G, T5

Class III

Types 3, 4, 4X & IP66

File No. J.I.3009378



Ambient Temperature Range:

For Class I areas:

+50°C (+122°F) Max.

0°C (+32°F) Min.

For Class II and III areas:

+40°C (+104°F) Max.

0°C (+32°F) Min.

Supply Voltage Range from

120V, to 277V, 50/60 Hz or 347V

### FEATURES

The EXLUX 6408 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 EXLUX 6408 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 luminaires also come with a cover interlock switch which automatically de-energizes the luminaires when opening for relamping. The power factor is ≥ .99. The electronic ballast meets ANSI C82.11 standards regarding harmonic distortion.

The EXLUX 6408 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. For conduit installation use conduit hub 8166/11-0 • N (See Page B7).

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 bipin lamps.

