

# CURIE ELITE

Ex e RECESSIBLE

The Curie Elite range of luminaires for tubular fluorescent lamps is available in normal and emergency versions. It is designed for use in the oil & gas industries and marine environments where it provides working, emergency and escape lighting.

The body is made from zinc coated sheet steel and the diffuser from prismatic polycarbonate with the smooth face outwards. Where it meets the ceiling aperture the body is fitted with a flipper seal which caters for irregularities and provides excellent sealing.

The range is flexible to allow luminaires to be recessed into a variety of ceiling types. Versions for standard plasterboard and modular sizes (600mm x 600mm) or (600mm x 1200mm) are available.

The control gear and batteries are mounted internally on a gear tray and access for lamp replacement and maintenance is simple and easy.

The emergency version has excellent emergency light output and duration in accordance with emergency lighting standards. Comprehensive self-testing periodically confirms the availability of sufficient emergency duration.

The Chalmit Ex e range of fluorescents utilise common spare parts, thus reducing the number of spares required.



Curie Elite with low glare louvre



## Standard Specification

## Features

Type of Protection	Ex eqm (Increased safety Powder filling Encapsulation) Dust protected enclosure	Front cover to body seal and body to ceiling operative seal both to IP65
ATEX Classification	Group II Category 2 G D	SOLAS B15 fire rating
Area Classification	Zone 1 and Zone 21 areas to EN 60079-10 and EN 50281-3 with installation to EN 60079-14 and EN 50281-1-2	Battery management monitoring & automatic self test
Apparatus Standard	EN 50014 EN 50017 EN 50019 EN 50028 EN 50281-1-1	Screwless mains terminals
Certificate	EC Type Examination Certificate Baseefa02ATEX0117X	Simple and easy access via front cover for lamp replacement and maintenance
Coding	⊕ II 2 G D EEx eqm II T4 Tamb 50°C	Suspended gear tray for ease of maintenance
Enclosure	White polyester painted zinc coated steel body and aluminium frame. EPDM rubber gasket. Prismatic polycarbonate diffuser.	Automatic lamp de-energisation on opening
Reflector/Geartray Entry	White polyester painted zinc coated steel 3 x 20mm diameter holes for cable entries, 2 at one end and 1 at the other end	Electronic control gear gives 50/60Hz operation, high power factor correction and regulation of lamp output
Termination	3 core 6mm <sup>2</sup> max. conductor with looping and through wiring 16A rating. Emergency version 4 core 6mm <sup>2</sup> max. conductor with looping and 16A rating through wiring	dc operation (non emergency)
Installation	Fixed side brackets with rotating arms, with provision for drop rod mounting	Local switching arrangement as standard
Lamp Type	T8 tubular fluorescent	CSA Approved
Lampholder	G13 (Bi-pin)	End of life (EOL) protection to IEC 60079-7 (with EOL I and EOL II functionality)
Control Gear	High Frequency	
Relamping	Access via front cover secured by screws	
Burning Position	Horizontal	
Ingress Protection	IP65 to EN 60598-1:2000	
Electrical Supply	220V - 254V 50/60Hz, and 220V - 300V dc non-emergency only	
Battery	Internal Ni-Cd Battery (6V 4 Ah)	
Battery Duration	90 minutes to EN60598-2-22 (3H option)	
Emergency Output	50% of one lamp (18W) 25% of one lamp (36W), 45% - HEO option	

# ATEX CATEGORY 2 ZONE 1 & 21 APPLICATIONS

Std. Cat No.	Wattage	Weight
CUEE/218/BI*	2x18W	12.5
CUEE/418/BI	4x18W	16.0
CUEE/236/BI*	2x36W	16.0
CUEE/218/BI/EM*	2x18W	14.5
CUEE/418/BI/EM	4x18W	18.0
CUEE/236/BI/EM*	2x36W	18.0
CUEE/436/BI/EM	4x36W	22.0

## Applications

Zone 1 and 2 hazardous areas  
 Offshore accomodation  
 Offshore washrooms  
 Pharmaceutical dryer rooms  
 Process areas  
 Control rooms  
 Marine environments

\* Only available in 600mm x 600mm (2 x 36W) and 600mm x 1200mm (2 x 36W body)

## Options - Suffix to Catalogue No.

**/120** Specific voltage (110/120)

**/25** 25mm Entries

**/EL** Extra live termination facility  
(to match emergency circuit)

**/LG** Low glare louvre

**/MET** Modular – Exposed 'T' ceiling

**/MST** Modular – Spring 'T' ceiling

**/2L** 2 lamp emergency mode

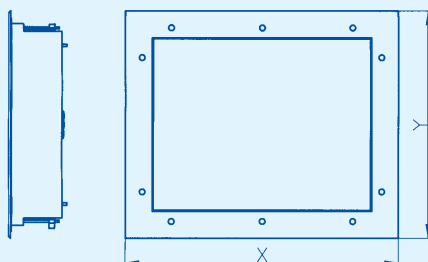
**/3H** 3 hour battery duration

**/3M** 300mm wide version (36W only)

**/HEO** High emergency output  
90 minute duration (36W only)

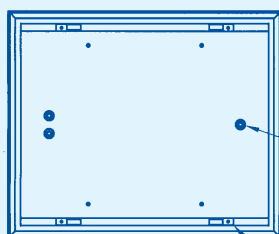
**/NST** High frequency non-self testing ballast

## Dimensions for standard plasterboard ceiling



	4 x 18W	4 x 36W
DIM X	774	1383
DIM Y	644	644
APERTURE	580 x 710	580 x 1319

**NOTE: APERTURE TOLERANCE +5 -0**



**NOTE: Contact Sales for dimensional details of modular (600mm x 600mm) or (600mm x 1200mm) versions**

3 Holes  $\phi 20.5$   
for Cable  
Entries

4 Swing Out  
Mounting  
Clamps

Product design and specifications are subject to change without notice, please check the Chalmers website for latest specifications.