



GENLUX LIGHTING

a lighting technology company

A division of  
ACTOM (Pty) LTD



# CHI Ex EVO LED WEATHERPROOF INDUSTRIAL EXPLOSION LIGHTING

IP65



## LED TECHNICAL DATA

- Light source: High powered LED Light Engine.
- LED Options:

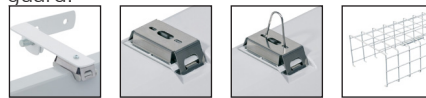
Wattage (W)	Total Luminous Flux (lm)	Efficacy (lm/W)	Nett Weight (kg)
<b>1 x 4 ft. (1272 mm)</b>			
24W	2770 lm	115 lm/W	3.2 kg
31W	3730 lm	120 lm/W	3.3 kg
<b>2 x 4 ft. (1272 mm)</b>			
30W	3430 lm	114 lm/W	4.1 kg
40W	4790 lm	120 lm/W	4.2 kg
<b>1 x 5 ft. (1572 mm)</b>			
43W	5200 lm	121 lm/W	3.4 kg
60W	7260 lm	121 lm/W	3.5 kg
<b>2 x 5 ft. (1572 mm)</b>			
54W	6490 lm	120 lm/W	4.3 kg
73W	8710 lm	119 lm/W	4.4 kg

- Colour temperature: 4000K
- LED life cycle: 50 000 hours @ 10 hrs average burning time per day.
- Performance level: L80 B20
- Colour Rendering Index: >80 CRI

## LUMINAIRE TECHNICAL DATA

- Luminaire overview: The light fitting is suitable for an environment with a danger of explosion of gases, dust and combustible fumes. The light fittings meet the requirements European Community Directive No.2014/34/EC. The light fitting is certified for the environment:
  - Ex II 3G Ex nA IIC T6 Gc
  - Ex II Ex tc IIIC T85°C Dc
- The basic requirements for safety and health protection are secured by the verification of conformity with the standards according to EN 60079-15, EN 60079-0 and EN 60079-31.
- IP rating: IP65.
- Housing material: Polycarbonate (PC) body and diffuser which are resistant to dust, moisture and spouting water, as well as having increased resistance against deformation and impact.
- Reflector: Sheet steel reflector finished in a white epoxy powder coating (RAL 9003).

- Clips: Polyimide and stainless steel clips with 15% glass fiber.
- Cable glands: Screwed in PG 13.5 ATEX.
- Gasket: Polyurethane foamed gasket, foamed in the housing body groove.
- Terminal block: Push-in type quick connect, three-pole (basic version) or traditional screw terminal block.
- Accessories: Stainless steel hooks and brackets and wire guard.



- Wiring options:
  - Single phase wiring cables for through-wiring (1F)
  - Three phase wiring cables for through-wiring (3F)
- Electric equipment: Electric equipment: electronic ballast T8, halogen-free wires with higher temperature resistance up to 110°C, shake resistant lampholders.
- Distance part: polyamide + 10 % glass fibre, serves to suspend the reflector during assembly.
- Control gear options:
  - Electronic control gear (ECG)
  - DALI control gear (DALI)
  - DALI-DIM control gear (DALI-DIM)
  - 1 hour emergency back-up control gear (1HR-EMG)
  - 3 hours emergency back-up control gear (3HR-EMG)
- Through-wiring of up to 10 wires at bodies.
- Power supply: 220V to 240V AC 50 Hz.
- Maximum ambient temperature: -20°C to +40°C.
- Insulation classification: Class 1.
- Protection grade: IK10.

## APPLICATION

- Mining applications
- Industrial applications
- Tunnel applications
- Suitable for explosion hazard environment zone 2,22, group 2, category 3.

## COMPLIANCE STANDARD

- EN 60079-15, EN 60079-0, EN 60079-31

## WARRANTY\*

- 5 year warranty on luminaire body
  - 12 month warranty on internal components
- \* Note: This warrantee only covers defects or malfunctions caused during the manufacturing process.



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### ORDERING DETAILS

PRODUCT CODE: CHIExVOLED/W/WIRING/MOUNT./CONTROL



#### LED options:

1 x 4ft. (1272 mm)	24W	31W
2 x 4ft. (1272 mm)	30W	40W
1 x 5ft. (1572 mm)	43W	60W
2 x 5ft. (1572 mm)	54W	73W

#### Wiring option:

Phase options	1F	3F
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#### Mounting options:

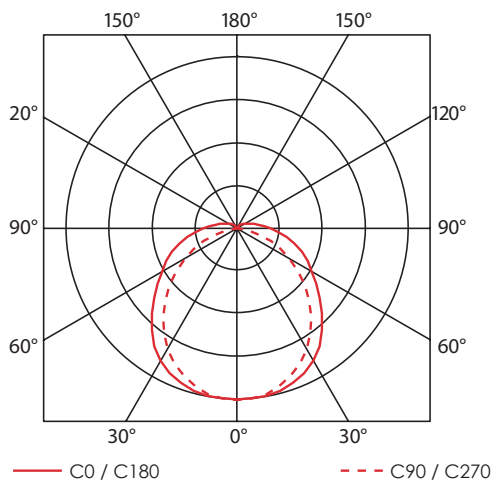
Options available	SUSP	CEIL	WALL
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#### Control gear options:

Options available	STD	DALI	EMG	DALI+EMG
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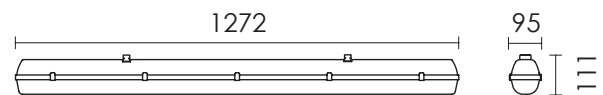
### PHOTOMETRIC DIAGRAM

(IES Files available on request)



### DIMENSIONS

- 4 ft. (1272mm)



- 5 ft. (1572mm)

