



Product Description

The Guardian Range are a series of rechargeable, durable, lightweight unit that is to be certified for safe use within ATEX/IECEx Zone I and Zone II potentially explosives atmospheres containing gas, vapour, mist and dust. Able to use within T4 classification, the CFL versions deliver a soft, daylight balanced output of 2000 lumens for up to 12 hours, and the LED version delivers an intense, daylight output of 2780 lumens for up to 9 hours. Low maintenance and easy to use, the CFL version has a service life of 10,000 hours whilst the LED version has a service life of 35,000 hours.

The built-in high frequency inverters on the Zone II CFL version enable consistent operation for the entire duration of the battery life with overvoltage, overcurrent and thermal protection for safe operation. The intrinsically safe control module with built-in high frequency inverters allows safe, consistent operation of the light and protects the battery by low voltage detection alerts through audio and visual indicators. This prevents deep discharge conditions to increase the service life of the light. All Guardian Range lights can be charged using 240V mains and contains an indicated charging status on the module.

Built from high pressure, die-cast aluminium and specially coated, the light is able to withstand the harsh, corrosive conditions expected in potentially hazardous environments. The unit is made of two IP65 rated enclosures joined together with SY braided cable ensuring protection against the ingress of dust and water jets from all angles. The light-head enclosure is complete with a 3mm thick UV resistant, ductile, polycarbonate lens.



Zone II Guardian CFL

Zone I Guardian LED

Zone I Guardian CFL

TECHNICAL DATA			
Model:	Zone II Guardian CFL	Zone I Guardian LED	Zone I Guardian CFL
Output (Lumens):	2000	2780	2000
Power:	2x 11W CFLs	2x 11W CFLs	16x 1W LEDs
Marking:	Ex II 3GD Ex nA nL IIC T4 T81C	Ex II 2GD Ex eb ib mb opis IIB+H ₂ S T4 Ex tb T85C	Ex II 2GD Ex eb ib mb IIB+H ₂ S T4 Ex tb T85C
Operation (Hours):	12	9	12
Weight (kg):	8.5	8.25	8.5
Ingress Protection:	IP65		
Ambient Temperature (°C):	-20 to +40		
Colour Temperature (K):	4000	5000	4000
Battery:	Valve Regulated Absorbent Glass Mat Sealed Lead Acid		
Capacity:	18Ah		
Service Life (Hours):	10,000		
Charging Voltage (V ac):	94 to 264		
Recharge Time (Hours):	9 from 0%		

BME Nitech Ltd.

T: 01224 825320 E: sales@bmenitech.co.uk W: www.bmenitech.co.uk

Registered Office: 37 Albert Street, Aberdeen, AB12 1XU Registered in Scotland, Company no. SC 511494 VAT Registration: 123343255