



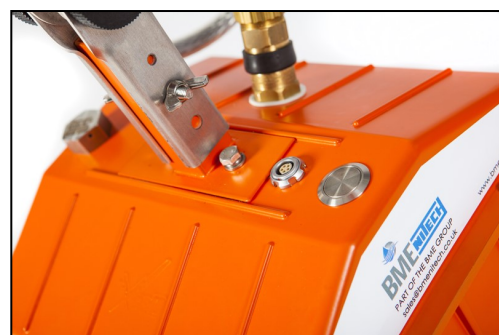
### Product Description

The Guardian Zone I CFL is a rechargeable, durable, lightweight unit certified for safe use within ATEX/IECEx Zone I, Zone 21, Zone II and Zone 22 potentially explosives atmospheres. Able to use within T4 classification, the Guardian CFL delivers a soft, 4000K, cool-white output of 2000 lumens for up to 12 hours.



Built from high pressure, die-cast aluminium and specially coated, the Guardian CFL is able to withstand the harsh, corrosive conditions expected in potentially hazardous environments. The Guardian CFL enclosures are rated to IP66 and IP67 giving protection from the ingress of dust and powerful jets of water. The enclosure also protects the Guardian CFL from up to 1 metre of submersion in water. The 3mm thick copolymer lens is impact resistant and can be provide with anti-static covers. The complete design and build is approved and certified by Intertek to the following standards: 60079-0:2018; 60079-7:2015+A1:2018; 60079-11:2012; 60079-18:2015+A1:2017; and 60079-31:2014.

The Guardian CFL utilises high frequency inverters to deliver a safe, consistent operation whilst providing a good level of illumination. The Guardian CFL is ideal for the inspection of tanks, vessels, pipework, welds and areas classified as confined spaces. The intrinsically safe control circuits provide overcurrent, overvoltage and polarity protection whilst maintaining the battery life through the low voltage audio and visual indicators. This, along with a battery cut-off prevents deep discharge conditions to increase the service life of the Guardian CFL. The Guardian CFL is provided with a mains charger that can accept 100 to 264 Vac at either 50 or 60 Hz. A UK/US/EU/AU plug attachment can be provided.





TECHNICAL DATA	
Area of Use:	Zones I and II (Gas), Zones 21 and 22 (Dust)
EX Marking (Gas):	EX II 2G Ex eb ib mb IIC T4 Gb
EX Marking (Dust):	EX II 2D Ex ib mb tb IIIC T135C Db
ATEX Certificate:	ITS20ATEX305465X
IECEX Certificate:	IECEX ITS 20.0008X
Protection Concepts:	eb - Increased Safety ib - Intrinsic Safety mb - Encapsulation tb - Dust-tight Enclosures
Light Output:	2000 Lumens
Light Source:	2x CFL Lamps
Light Duration:	Up to 12 Hours
Battery Type:	Valve Regulated Absorbent Glass Mat Sealed Lead Acid
Battery Capacity:	18Ah
Battery Voltage:	12V
Battery Life:	Up to 1200 Recharge Cycles
Charger Supply:	100Vac to 264Vac at 50/60 Hz at 0.7A
Recharge Rate:	1.3Ah per Hour
Ingress Protection:	IP66/67 (IEC 60529)
Operating Temperature Range:	-20°C to +40°C
Weight:	9kg
Dimensions:	263mm x 242mm x 565mm