

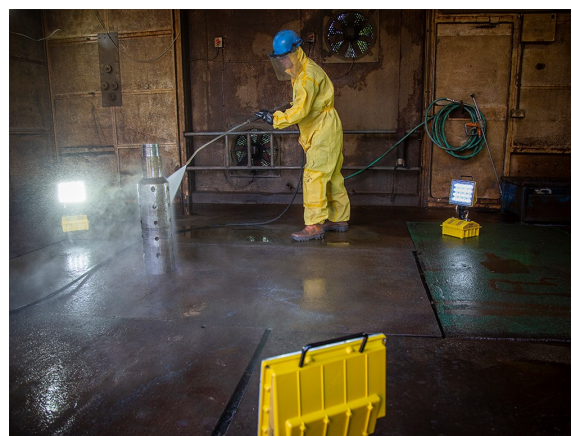
Guardian Zone I LED

The Guardian Zone I LED light 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 and, is NATO coded. Able to use within a T4 classification, the Guardian LED delivers an intense, 6000K, daylight-white output of 3000 lumens at source for up to 16 hours. The Guardian LED offers a light source service life designed to give up to 100,000 hours.



The Guardian LED utilises high efficiency LED drivers to deliver a safe, consistent operation whilst providing a high level of illumination. The Guardian LED is ideal for the lighting of walkways, corridors, tents, tanks and vessels to remove the need for multiple cables and power supplies. The intrinsically safe control circuits provide over-current, overvoltage and polarity protection and maintain battery life through low voltage audio and visual indicators. This, along with a battery cut-off, prevents deep discharge conditions to increase the overall life of the Guardian LED. The Guardian LED is provided with a mains charger that can accept 100Vac to 264Vac at either 50 or 60 Hz. A UK/US/EU/AU plug attachment can be provided.

Built from high pressure, die-cast aluminium and specially coated, the Guardian LED is able to withstand the harsh, corrosive conditions expected in potentially hazardous environments. The Guardian LED 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 LED from up to 1 metre of submersion in water. The 3mm thick copolymer lens is impact resistant and can be provided with anti-static covers. The complete design and build is approved and certified by Intertek to the following standards: 600790-0:2018; 60079-7:2015+A1:2018; 60079-11:2012+A1:2017; 60079-18:2015; and 60079-31:2014.



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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:	3000 Lumens at Source
Light Source:	16x LEDS
Light Operation Duration:	16 Hours
Light Source Service Life:	Up to 100,000 Hours
Flood Angle:	20° (Customisable upon Request)
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:	100V _{ac} to 264V _{ac} at 0.7A at 50/60Hz
Recharge Rate:	1.3Ah per Hour
Ingress Protection:	IP66/67
Operating Temperature Range:	-20°C to +40°C
Weight:	9.5kg
Dimensions:	269mm x 243mm x 517mm
NSN Code:	6230-99-847-1594

