



Product Description

The Pioneer Zone I LED is a durable, robust, highly efficient temporary light that is certified for safe use within ATEX/IECEX Zone I, Zone 21, Zone II and Zone 22 potentially explosive atmospheres and, is NATO coded. Able to use within a T4 classification, the Pioneer LED delivers an intense, 6000K, daylight-white output of 3000 lumens at source. The Pioneer LED offers a light source service life designed to give up to 100,000 hours.



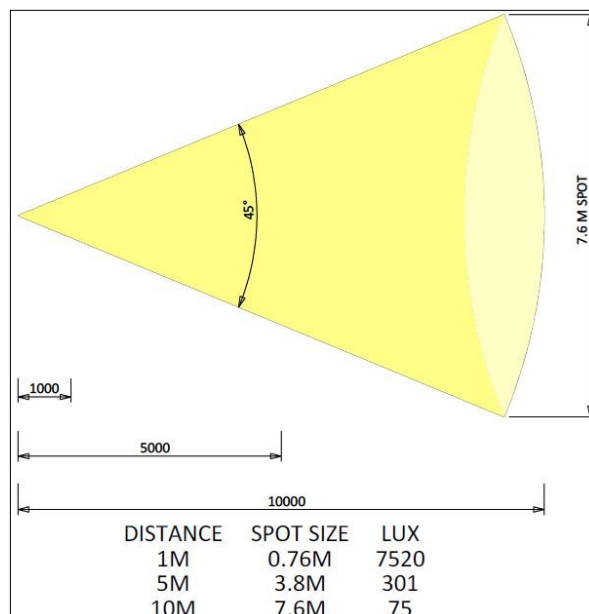
The Pioneer LED utilises high efficiency LED drivers to deliver a safe, continuous output whilst providing a high level of illumination. The Pioneer LED is ideal for the set-up of temporary lighting installations on walkways, corridors, tents, tanks and vessels. The intrinsically safe circuits provide overcurrent, overvoltage, thermal and polarity protection. The Pioneer LED can be powered with 110Vac and 230Vac supplies at either 50 or 60 Hz with a small current draw of 0.2A per light. A 10 metre length of SY cable is supplied with a Zone I EX plug (CEAG/STAHL/ATX) to suit the worksite or installation. The Pioneer LED comes supplied with a universal bracket for all of the mounting options, of which include: magnet, scaffold, wall and floor stand. To give the Pioneer LED further flexibility, an additional gland and cable can be installed into the Pioneer to allow a chain of lights in series. For example: 12x Pioneer Led lights can be chained together up to 15 metres apart and work of a singular 16A breaker.

Built from high pressure, die-cast aluminium and specially coated, the Pioneer LED is able to withstand the harsh, corrosive conditions expected in potentially hazardous environments. The Pioneer LED enclosure is rated to IP66 and IP67 giving protection from the ingress of dust and powerful jets of water. The enclosure also protects the Pioneer 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: 60079-0:2018; 60079-7:2015+A1:2018; 60079-11:2012; 60079-18:2015+A1:2017; and 60079-31:2014.





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:	ITS20ATEX305480X
IECEX Certificate:	IECEX ITS 20.0013X
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 Duration:	Continuous Operation
Light Source Service Life:	Up to 100,000 Hours
Flood Angle:	45° (Customisable upon Request)
Supply:	110Vac/230Vac at 50/60 Hz
Current Draw per Light:	0.2A at 230Vac, 0.4A at 110Vac
Ingress Protection:	IP66/67 (IEC 60529)
Operating Temperature Range:	-20°C to +40°C
Weight:	3kg
Dimensions:	314mm x 177mm x 275mm
NSN Code:	6230-99-671-6383



BME Nitech Ltd