



PORTABLE LIGHTING FOR PROFESSIONALS

ATEX GUARDIAN

ATEX RANGE



The Nitech ATEX Guardian is a portable high performance floodlight designed for use in potentially explosive atmospheres (Gas and Dust) under the most demanding conditions.

The advanced rechargeable design offers revolutionary specifications for ATEX approved lighting. Compact dimensions, low weight and up to 12 hours full power operating time makes this floodlight the preferred choice for all portable applications where Increased Safety is essential.


Furthermore the powerful 2000 Lumen wide-angle shadow-free light pattern combined with enhanced daylight equivalent illumination will ensure this worklight is the preferred choice even when mains power is available.

The Health and Safety benefits resulting from extra low voltage operation, no trailing leads, minimal heat output and surface temperature can be added to the advantages of negligible operating cost. In addition to ATEX compliance this robust floodlight provides an environmental protection level suitable for the toughest outdoor conditions.

The Guardian is specifically designed to operate for very long periods of up to 10,000 hours without maintenance. Nitech have also achieved a specific industry requirement with this unique ATEX floodlight which provides users with their own complete on-site maintenance and repair capability in addition to R.T.B. and call-out options.

Order Code: GU01 Guardian

TECHNICAL DATA

ATEX PORTABLE FLOODLIGHT	
Description	High Power Portable Rechargeable Floodlight intended for use in potentially explosive atmospheres
Protection Category	Type n; Energy limited apparatus and circuits; Non sparking.
Approval	CE  II3GD Ex.nAnL IIC T4T81C
Area of Classification (Gas)	Zone 2 Gas Group 11C
Temperature Classification (Gas)	T4
Area of Classification (Dust)	T81°C
Maximum Surface Temp (Dust)	81°C
Apparatus Standards	BS EN 60079-0: 2006; BS EN 60079-15: 2005; BS EN 50281-1-1: 1999; IEC60529; EN61241-0; EN61241-1
Certificate	EPSILON 06 ATEX 2098X
Enclosure Material	Admiralty Grade Pressure Diecast Aluminium, Powder Coated
Lens	Polycarbonate - UV grade/Lexon
Beam Type	Wide Angle Flood. Daylight colour balanced
Light Source	2 x 11 watt Longlife CFL—2 x independent electronic control
Light Output	c. 2000 Lumens
Efficiency	c. 100 lumens per watt (approximately double that of advanced LED sources)
Light Duration	Full Power up to 12 hours
Power Supply	Sealed rechargeable
Type	VRLA Lead-Acid
Volt	12
Capacity	18ah
Life	Up to 1000 recharge cycles
Low Battery Indicator	LED and Piezo-Sounder
Recharge Source	230v ac (90-230v ac available)
Recharge Time	6-7 hours from complete discharge
Charger Type	Intelligent multi-stage. Continuous charge (Full standby) permissible
Shelf-Life	> 6 months at 20°C (from fully charged condition)
Ambient Temperature Operation	-20°C to +40°C
Environmental Protection	IP65
Weight	8.5 Kgs
Dimensions	264 x 245 x 550mm (height including handle) 264 x 245 x 290mm (height folded)
Service	User serviceable with RTB option

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