

# ATEX RANGE



PORTABLE LIGHTING FOR PROFESSIONALS

## ATEX GUARDIAN



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

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

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