NITECH AURORA PORTABLE FLOODLIGHT

The Aurora offers truly portable and highly effective floodlighting in a compact, lightweight and extremely robust design that can replace mains or generator powered traditional lighting.

In addition to the obvious benefits the Aurora is ultra-safe (low voltage, no trailing cables), silent and pollution free, completely cool running and extremely environmentally 'friendly'(in annual use each Aurora can save over 1 tonne of CO2 p.a. as compared with traditional site/task lighting).

Other advantages include exceptional endurance (up to 12 hours continuous full power operation), a long maintenance-free life, rapid recharge and very low running/whole-life cost.

The Aurora is designed for all-weather operation under real life conditions and is made from the strongest lightweight materials.
The unique casing is pressure die-cast from a special high grade aluminium alloy and powder coated. The lens is full specification Lexan/Polycarbonate. Environmental protection is to IP68.The independent high frequency electronic ballasts are fully encapsulated and the CFL lamps are long life and provide an efficiency and light output quality which is superior to current LED's.

The Aurora ensures reliable lighting is always available for emergencies, site and maintenance tasks, inspection and general illumination requirements and although its essential characteristic is to operate independently of any external power source in many cases it can continue to offer significant advantages as compared with a cabled luminaire.

The most significant testimonial to the Aurora is the list of users. The MOD (the product is NATO coded), Police, Fire and other emergency services, H.M. customs, Utilities including British Nuclear Fuels, Rail, London Underground, Aviation, Shipping and road transport, Industry, National Trust and English Heritage and virtually every type of organisation where the need for reliable high performance portable lighting is a continuing or occasional necessity.

Aurora Features and Benefits

Feature	Benefit
Compact, Lightweight	Fully Portable
High Performance and Long Duration	Replaces Mains Generator Lighting
Rugged Construction	Extreme Durability
No Trailing Leads/High Voltage	Health and Safety Benefits
IP68	Fully Weatherproof
Rechargeable	Very Low Running Cost
Zero Pollution	Green Product Status
High Efficiency	Low Carbon Footprint
Maintenance Free	Long Service Life
Power Take-Off Socket	Versatile
Mains/Vehicle Recharge	Convenient
Unique Floodlight Design	Exceptional Light Quality
Extensions Mast Available	Adaptable Illumination
User Friendly Controls	Simple Operation
Power Design and Components	Reliable Performance
Modular Construction	Self-maintenance Option

AURORA PORTABLE FLOODLIGHT FAQ'S

Q. Can the Aurora be left on permanent charge?
A. Yes, The Aurora uses a sophisticated electronic charger which is designed to allow continuous charge which maintains the Aurora at 100% charge and uses negligible electricity.
Q. How often do I need to charge the Aurora?
A. No battery management is required so the Aurora can either be left on permanent charge, as above, or charged after use. As a rough guide each hour of use needs about 20/25 minutes of recharge. The charger has an indicator which displays the charging progress and is entirely automatic.
Q. What happens if I am not going to use my Aurora for along time?
A. Before storing your Aurora give it a full charge. Ideally recharge every 3-6 months-particularly if the storage temperature is above 25C.
The Aurora is specially designed to have a zero power drain when switched off-unlike many products-but it should still be recharged at least every 12 months.
Q. What can I connect to the 'Power Take-off Socket'?
A. The socket provides 12v.d.c. at up to 5 amps. The supply is protected by an auto-resetting electronic fuse. Devices such as mobile phones, portable TV's, spotlights etc will all be suitable. The Floodlight may be used simultaneously with the external device.
Q. Are LED's better?
A. No. LED's are best at producing a highly directional narrow beam such as torches. They have a number of disadvantages for use in floodlight applications. In comparison with the special CFL units used in the Aurora they are less efficient (shorter operating time),they are liable to cause dazzle and colour rendition (very important in many situations) is inferior. A current problem with so called 'white' LED's is the high proportion of blue wavelengths which have potential health effects and also cause light pollution due to 'scattering' (Rayleigh effect').Some authorities are recommending that LED lighting is not used outdoors for this reason.
Nitech were the first company in the UK to use LED's in lighting products and we constantly review our policy in terms of using these devices for floodlight applications in relation to the latest advances in the technology.
Q. How long will my Aurora last?
A. Indefinitely. The product is made from the highest quality materials including a unique high pressure diecast special aluminium alloy.
Battery and lamp life are in excess of 10,000 operating hours and can be changed either by the customer or by Nitech and it's service agents.
Many early versions of the Aurora are still used in arduous conditions after 10 years of continuous use.
Q. What about Environmental considerations?
A. We are very proud of our Environmental performance. Nitech are still the only company to have received an official U.K. Government Award (presented by the prime minister) for our rechargeable technology.
The Aurora lighthead design is recognised by the Carbon Trust for it's Energy Saving performance.
Each Aurora can save up to 2 tonnes of CO_2 emissions a year (based on daily use and compared with a conventional floodlight operated from mains/generator supply).
Q. How about recycling?
A. Nitech are a WEE registered company. The Aurora is made of materials which are highly suitable for complete recycling. In particular the battery technology used is recognised for providing the highest recycling standards of any electrical product.
Q. Who uses the Aurora?
A. Just about everyone! Anywhere where high performance and totally reliable portable lighting is a necessity whether for emergency or day to day use where increased portability, safety and environmental considerations are important.
Key users are the MOD (the Aurora is NATO coded), Utilities (including British Nuclear Fuels), Emergency Services, Transport (full Rail approvals),
Aerospace (including British Airways and BAE), General Industry and Commerce, National Trust and National Heritage and many other organisations both in the U.K. and overseas (amongst many other countries the Aurora is used in China and Australia).
Q. Can the Aurora be used in Hazardous Areas such as fuel depots or waste water treatment?
A. No. But the Nitech 'Guardian' is an ATEX approved product and has identical general specifications to the Aurora while being certified for operation in Hazardous Areas (Gas and Dust) where it offers a very high level of performance for this category of product.