



Oil & Gas  
Marine  
Power Generation  
Processing Plants  
Petrochemical / Chemical  
Pharmaceutical  
Food & Drink Processing  
Fire and Emergency Services  
Military

Wolf Safety has global certification for portable hazardous area lighting

ATEX (EU)

IECEX (International)

Zone 1, Gas Group II

UL & FM (USA)

Class I, Division 1, Gas Group A, B, C, D

GOST R (Russia)

TIIS (Japan)

Inmetro (Brazil)

Lloyds Type Approval

ISO 9001-2009 Quality Management System





# Product Range

# Wolf

## Product Ranges

### Portable Lighting



### Temporary Lighting



### Temporary Power



**Wolf**

# Temporary Lighting

- Shell / Qatar Gas – Gas to Liquid project 2009
- Shell – Sakhalin Island Maintenance project 2010
- Hess Equatorial Guinea – FPSO Lighting 2010
- Kuwait Oil Company – Tank Cleaning 2010
- UK Gas Networks Maintenance Lighting
  - National Grid (2011)
  - Wales & West Utilities (2012)
- Total Nigeria – Tank Cleaning (2012)



- Task lighting products illuminate the working task making the task easier and improving productivity
- Ambient lighting products provide background light for illuminating ingress or egress and providing light for general working conditions
- Wolf Temporary Lighting Solutions offer a combination of ambient lighting products in the form of Portable Fluorescent Luminaires and Task lighting in the form of LED Floodlights and Halogen Spotlights
- Mains voltage solutions include using a combination of Linkable LED or Fluorescent Leadlamps and Linkable LED Floodlites that can provide a chain of illumination that is quick and easy to setup inside the hazardous area
- Wolf Tank Lighting Kits provide Low Voltage solutions with a mains voltage transformer and up to 4 x 24V lights including:-
  - LX-400 LinkEx LED Luminaire (Ambient Light)
  - LL-500 Fluorescent Leadlamps (Ambient Light)
  - WF-300 LED Floodlight (Task Light)
  - LL-24 Flameproof Leadlamp (Task Light)



- ATEX and IECEx Certified for use in Zones 1 & 2 explosive Gas & Dust atmospheres
- High power, low maintenance LED light source, 'Fitted for Life'
- High and low input voltage versions available
- Incorporates unique SOVI Monitor – Safe Operation Voltage Indicator
- Available with ATEX Plugs and Sockets to Link in Series
- Compact & robust design
- Low power consumption
- Wide range of accessories available



Enclosure	High impact thermoplastic, chemical resistant, electrostatic non-hazardous
Light Output	3250 lumens
Beam Type	Wide angle white LED area light, high output, high efficiency, low glare
Power Rating	30W



# Wolf

## LX-400 - LinkEx LED Tank Lighting Kits

- ATEX and IECEx Certified for use in Zones 1 & 2
- Safe Low Voltage
- Integrated SOVI™ monitor
- Choice of Stainless Steel or GRP transformer
- Stainless Steel Protective Skid
- 110V or 230V to 24V
- Up to 4 Socket outlets
- Max cable length 100m
- Mix and Match with LED Floodlite or LinkEx™ Fluorescent
- ATX, CEAG or Stahl input plug
- 2.5mm<sup>2</sup> core SY or Ships Braided Cable
- Linkable 24V lights now available



**LinkEx LED**

Enclosure	Stainless Steel or GPR Transformer Enclosure with Stainless Steel Skid
Light Output	3250 Lumens
Beam Type	Wide angle white LED area light, high output, high efficiency, low glare
Power Rating	400VA

Feature	Benefit
ATEX and IECEx Certified for hazardous areas <ul style="list-style-type: none"> <li>• Zone 1</li> <li>• IIC Gas Group</li> <li>• T3 Temperature Class</li> </ul>	Certified for use in <b>95% of Zone 1 and 2 potentially explosive atmospheres.</b>
<b>LED</b> light source emits a <b>wide angle, high power, cool white</b> light, giving full area illumination.	Better illumination of the working area; <b>work tasks</b> can be completed <b>quicker and safer.</b>
<b>LED</b> light source is <b>'solid state' technology</b> , it is very robust and resistant to shock and impact.	Very <b>reliable</b> in tough environments.
<b>LED</b> light source is <b>'fitted for life'</b> , with an estimated life of 60,000 hours (6.8 years) of continuous operation.	Very <b>low maintenance.</b>
The <b>LED</b> light source is <b>very efficient</b> ; power consumption is low, approximately 0.33 that of a conventional leadlamp for a comparable light output.	<ul style="list-style-type: none"> <li>• More units can be run from a single power supply.</li> <li>• More units can be linked together.</li> <li>• Longer supply cables can be used.</li> </ul> <b>Reducing cost of ownership</b>

Feature	Benefit
<p><b>Wide input voltage range</b>, typically with an input voltage tolerance of +/- 20% or more, for both high voltage (85-264V AC/DC) and low voltage (19-28V AC/DC) units.</p>	<ul style="list-style-type: none"> <li>• More units can be run from a single power supply.</li> <li>• More units can be linked together.</li> <li>• Longer supply cables can be used.</li> </ul> <p><b>Reducing cost of ownership</b></p>
<p>Unique <b>SOVI</b> monitor - <b>'Safe Operation Voltage Indicator'</b> incorporated in all Linkex LED Luminaires, indicating when the input voltage is within or outside of the unit's specified ATEX certified voltage tolerance.</p>	<p>Confirms to the user when the input voltage to the Linkex LED Luminaire is correct, <b>ensuring safe use.</b></p>
<p>Impact resistant polycarbonate construction with elastomeric shock absorbing endcaps.</p>	<p>The Linkex LED enclosure is <b>strong</b> and <b>durable</b> and can be used in the harshest of conditions.</p>
<p>Mains voltage versions can be supplied with ATEX plugs and sockets. All major brands of ATEX Plugs and sockets are approved.</p>	<p>Units can be connected together in a chain, <b>installations</b> are <b>quick</b> and <b>easy</b>.</p>
<p>Lightweight, compact design.</p>	<p><b>Easy to handle, store</b> and <b>distribute.</b></p>

Feature	Benefit
Versions are available configured for 180° or 360° illumination.	To provide <b>better light</b> in the working area, <b>tasks</b> can be <b>completed</b> more <b>quickly</b> and <b>safely</b> .
Linkex LED Luminaires can be combined with other products in the Wolf Temporary Lighting Range to create a customised solution	A customised lighting solution will provide <b>better light</b> in the working area, <b>tasks</b> can be <b>completed</b> more <b>quickly</b> and <b>safely</b> .
Low voltage 24V Linkex LED Luminaires can be supplied as part of Wolf Tank Lighting Kits	Provides the <b>safety</b> benefits of the low voltage tank lighting kit with the <b>reliability</b> and <b>efficiency</b> advantages of LEDs.
Supplied with Protective Film to protect the asset in particularly dirty environments such as tank cleaning.	Minimising equipment damage, <b>minimising cost of ownership</b> .
Supplied with hanging straps.	No additional accessories required to locate the lamp in the working area, <b>minimising cost of ownership</b> .
Easy Maintenance, the Linkex LED has been designed to give easy access to the internal assembly, ensuring quick & simple maintenance	<b>Minimising cost of ownership.</b>

- ATEX and IECEx certified for Zones 1 & 2 Gas & Dust atmospheres
- Fitted with plugs and sockets, linkable in series
- Twin or Quad lamp configuration
- Control Ballast incorporates 'End of Life' protection circuit
- Uses standard Compact Fluorescent Lamps for ease of maintenance
- Wide Voltage Range 24V – 254V
- Integrated Unistrut compatible mounting points
- Compact and robust design
- Protective film for use in painting and blasting applications
- Emergency battery backup version available
- Industrial version available



LinkEx LIGHT

Enclosure	High impact thermoplastic, chemical resistant, electrostatic non-hazardous
Light Output	Up to 11600 lumens
Beam Type	Wide angle white area light, high output, high efficiency, low glare
Power Rating	36W / 72W / 144W

LinkEx LIGHT



- ATEX Directive compliant and IECEx Scheme certified
- For use in Zones 1 & 2 Gas and Dust atmospheres
- Ultra bright high power LED light output
- Medium or wide angle flood beams
- Wide voltage range, 24V & 100-254V
- Small, lightweight floodlamp construction
- IP66/67 dust and watertight
- Supplied with stand and integral bridle
- Available with magnet mounting and tripod options
- Low operating surface temperature, no risk of burns
- Very low maintenance
- Lens protecting films available for blasting and painting

Enclosure	Cast Aluminium & Polycarbonate
Light Output	3300 Lumens
Beam Type	Medium or Wide angle Flood of light
Power Rating	58W
Battery Duration	24v or 100 – 254V



- ATEX Approved for Zone 1 explosive Gas and Dust atmospheres
- Safe low voltage
- Robust durable construction
- Choice of stainless steel or GRP Transformer
- Powers up to 4 Lamps
- 180° or 360° lamp configuration
- Supplied with 20m SY Cable
- Fitted with ATX Plugs and Sockets
- Maximum Cable Length per lamp 35m
- 110V or 230V Input Voltage available

Enclosure

GRP or Stainless steel transformer enclosure

Output

Upto 4 x 24V outputs

Power Rating

400VA



- Complies with ATEX Directive 94/9/EC
- High output halogen light, up to 70 watts
- Lightweight alloy construction for single handed portability
- Zone 1 & 2, Gas group IIC T3/T4 certified
- Designed for quick and easy relamping and maintenance
- 12, 24 or 42 Volts models available
- Integral operation switch
- Oil resistant rubber guard for drop and impact protection
- Ideal for cleaning, grit blasting and painting operations



Enclosure

Light alloy, high impact plastic, oil resistant rubber Up to 50 lumens

Beam Type

100° wide angle flood

Power Rating

Upto 70W

# Wolf

## LL-400 – Handheld LED Handlamp

- ATEX Approved for Zone 1 & 2 explosive Gas and Dust atmospheres
- 'Fitted for Life' LED light technology
- Even white LED light ideal for inspection
- Compact and Lightweight design
- Anti roll & Hook feature
- Fitted with Cable and ATX plug
- Wide Mains Voltage Range 110v – 254 V AC
- 24V Low voltage model available



Enclosure	Elastomer (EPDM), Polycarbonate
Light Output	Up to 800 lumens
Beam Type	Wide Angle, white inspection light
Power Rating	8W

- ATEX Approved for Zone 1 explosive gas and dust atmospheres
- High power white LED beam
- LED light source 'fitted for life', no bulb replacement required
- Long duration, up to 12 hours full power, 24 hours half power
- Robust durable stainless steel construction
- Locking pivot head
- Toughened glass lens with optional disposable lens guard
- Rechargeable high capacity battery, fully managed
- State of charge LED indication



Enclosure	Stainless steel with aluminium LED lamp head
Light Output	Up to 1050 lumens
Beam Type	Narrow Flood
Power Rating	18 / 36W
Recharge time	8 hrs / 12 hrs

- Stainless steel 4 leg stand
- Lightweight aluminium tripod with vertical or horizontal mountings brackets
- 230, 110 or 24V extension cables available
- Quick release hanging straps
- Polyurethane coated magnetic fixings
- Universal mounting bracket with stainless steel karabiner
- Certified protective film for use in paint spraying or blasting operations
- Full complement of spare parts available



### ATEX Splitter Box

- 4 Way splitter for use in Hazardous Areas
- ATEX Zone 1 Certification
- 230, 110 or 24V versions available
- CEAG or ATX sockets available, Stahl to follow
- Compact robust design
- Stainless steel protective skid
- Allows flexible custom setups
- Reduces number of extension cables and trip hazards
- Available with 2.5mm<sup>2</sup> SY or Ships Braided cable



**Available April 2013**



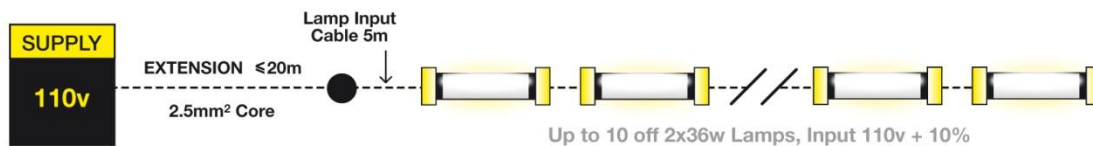
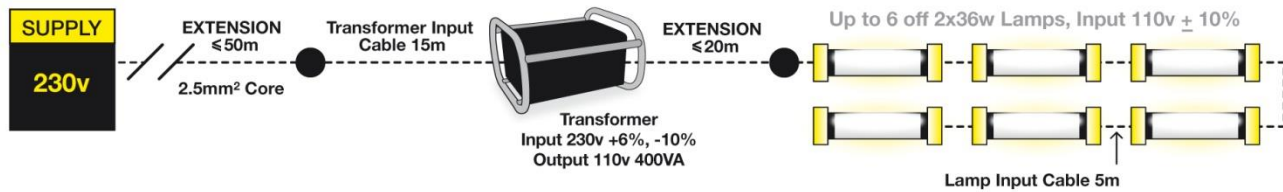
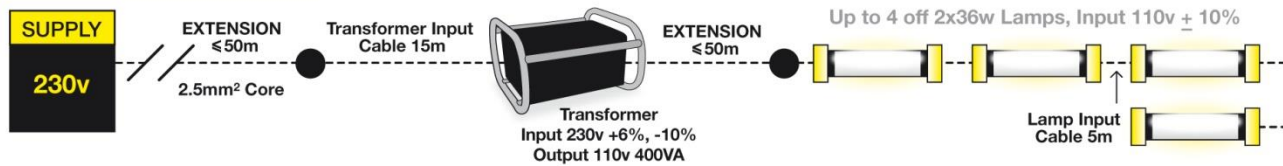
**Available April 2013**

### **ATEX Cable Reel**

- 30m Extension cable reel for Hazardous areas
- ATEX Zone 1 Certification
- 230, 110 or 24V versions available
- CEAG, Stahl or ATX plug & socket available
- Compact robust design
- Quick and easy to deploy
- Easily stowed when not in use
- Ideal for onboard maintenance tasks
- 2.5mm<sup>2</sup> HO7RNF Cable supplied as standard



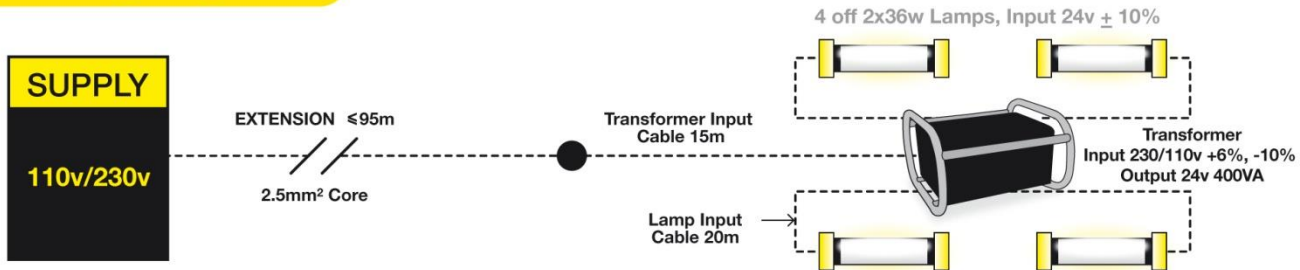
### Linkable



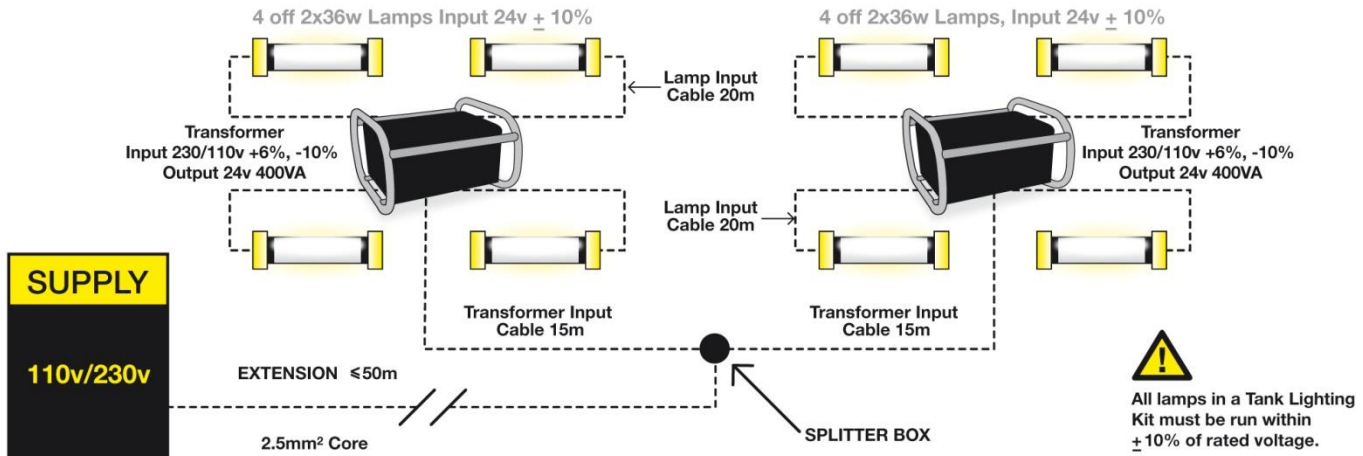
All lamps in a chain of linkable lamps, including the last lamp, must be run within +/-10% of rated voltage.



### x1 Tank Lighting Kit



### x2 Tank Lighting Kits



**Wolf**

Torches

- ATEX and IECEx Certified
- T4/T5 temperature class
- Ultra small size
- Lightweight, ergonomic design
- Proven impact resistance
- Single handed switching
- Switch protection shroud
- Integral pen style pocket clip
- IP67 water and dust tight
- Gas and Dust Approval
- Group I Mining Approval



Enclosure	High impact thermoplastic, chemical resistant, electrostatic non-hazardous
Light Output	Up to 90 lumens (M-60)
Beam Type	Broad spot with wide angle fringe of light
Battery Duration	Up to 10 hours total light duration

# Wolf

## M-80 – 4AA Midi LED Torch

- ATEX Approved and IECEx Certified for use in Zone 1 hazardous areas
- 120 lumen high output LED light source
- T3/T4 temperature class
- IIB Gas Group
- Midi compact size
- Compact & robust ergonomic design
- Single handed switch with switch protection shroud
- IP67 water and dust tight
- Group I M2 Mining approval



Enclosure	High impact thermoplastic, chemical resistant, electrostatic non-hazardous
Light Output	Up to 120 lumens
Beam Type	Broad spot with wide angle fringe of light
Battery Duration	Up to 7 hours light duration

# Wolf

## ATEX Safety Torch



- Certified to Zone 1 IIC T4/T6
- Straight or right angle models
- Simple robust design
- Long life xenon or halogen bulb
- Spare bulb included
- Low battery indicator
- Certified for use with high energy alkaline cells
- TP-300 LED retrofit upgrade now available

Enclosure

Impact resistant thermoplastic, electrostatic non-hazardous

Light Output

Up to 23 lumens

Beam Type

Medium Spot

Power Rating

Battery Duration

Up to 12 hours



# Wolf

## ATEX Safety Torch with LED



- ATEX certified for explosive gas and dust approval
- High output LED light source
- Duration up to 27 hours from 2 x 1.5V D Cells LR20
- T4 temperature class
- IP67 dust and watertight
- Low battery indicator
- Simple, robust design
- Straight and right-angle versions
- Single handed switching
- LED module can be retro-fitted to Wolf T4 bulb torches

Enclosure

Impact resistant thermoplastic, electrostatic non-hazardous

Light Output

Up to 70 lumens

Beam Type

Medium Spot with wide angle fringe light

Power Rating

2 x D primary cells

Battery Duration

Up to 27 hours





- Certified to Zone 1 IIC T4
- LED light source 'Fitted for Life' no bulb replacement required
- High output focussed spot beam with a flood of low level fringe light
- Up to 72 hours light output duration from 4 x AA batteries
- Compact lightweight torch design
- Battery status indicator
- TR-45 Zone 0 Version available



Enclosure	High impact thermoplastic, chemical resistant, electrostatic non-hazardous
Light Output	145 lumens peak
Beam Type	High output beam with focussed spot with wide angle fringe of light
Battery Duration	Up to 72 hours total light duration





- Certified to Zone 1 IIC T4
- Lightweight Li-Ion battery
- High power LED or halogen light-source
- Fully managed charge and discharge cycle
- Quick charge in 180 minutes
- Mains and vehicle charge options
- Durable hi-impact thermoplastic body
- Up to 6.5 hours light output duration

Enclosure

Impact resistant thermoplastic, electrostatic non-hazardous

Light Output

Up to 180 lumens

Beam Type

Spot

Power Rating

Battery Duration

Up to 6.5 hours

Recharge Time

3.0 hours (90% in 1.5 hours)

**Wolf**

Handlamps



- ATEX and IECEx certified for use in Zone 1 hazardous areas
- Ultra bright high power LED light 350+ lumens
- Spot and flood switchable beam options
- Up to 9 hours duration on full power, 18 hours in Powersave mode
- IP66 dust tight and water resistant
- Integral stand for hands free beam direction
- Quick charge, from 2 hours
- Emergency illumination power fail mode
- Zone 0 version available
- Coloured signal LED options on XT-90
  - Red & Blue – flashing/static
  - Red & Green – flashing/static
  - Red & Amber – flashing/static

Enclosure	Impact resistant thermoplastic, electrostatic non-hazardous
Light Output	350+ lumens
Beam Type	Spot (XT-50), Spot/Flood (XT-70/75) or Spot/Flood/Signal XT-90)
Power Rating	
Battery Duration	From 3.0 hours – 18.0 hours
Recharge Time	From 2.0 hours – 4.5 hours

# Wolf

## H-251A Wolflite Rechargeable Handlamp

- ATEX and IECEx certified for zones 1 & 2 explosive gas, vapour and mist atmospheres, up to T4 temperature class
- Dust ignition protected for zones 21 and 22, for dusts with ignition temperatures over 135°C
- Increased light output and battery duration with LED option
- Fitted for life LED retro fit option
- Electronic current limited battery with power fail operation and deep discharge protection
- Robust anti-static thermoplastic lamp enclosure
- Ingress protection to IP66
- For use with C-251HV/LV chargers



Enclosure	Impact resistant thermoplastic, electrostatic non-hazardous
Light Output	Up to 60+ lumens
Beam Type	Narrow Spot with Wide angle fringe light
Power Rating	
Battery Duration	7 hours
Recharge Time	8 hours



- CE marked to ATEX Directive Explosive gas, vapour and mist certified for zones 1 & 2, up to T4 temperature class
- Dust ignition protected for zones 21 and 22, for dusts with ignition temperatures over 135°C
- Increased light output from halogen bulb
- Alkaline cell approval giving 20 hour duration
- Robust anti-static thermoplastic lamp enclosure
- Ingress protection to IP66
- Lloyd's Register Type Approved

Enclosure	Impact resistant thermoplastic, electrostatic non-hazardous
Light Output	37 lumens
Beam Type	Narrow Spot
Power Rating	
Battery Duration	Up to 20 hours
Recharge Time	



# Headtorches



- Certified to Zone 1 IIC T4 IP66
- LED light source 'Fitted for Life' no bulb replacement required
- Broad focussed spot beam with a wide angle fringe of light
- Ultra small size and weight – only 90g inc. Cells
- Hands free operation
- Up to 25 hours light output duration from 3 x AAA alkaline cells



Enclosure	High impact thermoplastic, chemical resistant, electrostatic non-hazardous
Light Output	Up to 50 lumens
Beam Type	Broad spot with wide angle fringe of light
Power Rating	
Battery Duration	Up to 8.5 hours



# Wolf

## HT-600 Headtorch



- ATEX Directive Compliant & IECEx Scheme Certified for Zone 1 Explosive gas, vapour and mist atmospheres
- T3/T4 temperature class
- High Power LED light source
- Lightweight, ergonomic design
- Single handed switching
- Hands free operation
- IP66 water and dust tight
- Adjustable, removable headband
- Supplied with helmet clips for hard hat use
- Tilt adjustment for light direction

Enclosure	High impact thermoplastic, chemical resistant, electrostatic non-hazardous
Light Output	Up to 140 lumens
Beam Type	Broad spot with wide angle fringe of light
Power Rating	3 x AA primary cells
Battery Duration	Up to 17 hours total light duration

# Wolf

## HT-650 - Zone 0 Headtorch



- ATEX Directive Compliant & IECEx Scheme Certified for Zone 0 Explosive gas, vapour and mist atmospheres
- T3/T4 temperature class
- High Power LED light source
- Lightweight, ergonomic design
- Single handed switching
- Hands free operation
- IP66 water and dust tight
- Adjustable, removable headband
- Supplied with helmet clips for hard hat use
- Tilt adjustment for light direction
- HT-650 Headtorch supplied with inert silicone rubber strap

Enclosure	High impact thermoplastic, chemical resistant, electrostatic non-hazardous
Light Output	Up to 140 lumens
Beam Type	Broad spot with wide angle fringe of light
Power Rating	3 x AA primary cells
Battery Duration	Up to 17 hours total light duration

**Wolf**

# Flashing Indicators

- Multi-functional, selectable torch-flash-strobe output
- ATEX approved for use in explosive atmospheres
- Up to 10hrs duration in torch mode
- Enhanced user conspicuity in dark conditions
- High intensity LED light source
- High strength polycarbonate case
- Small and lightweight
- IP67 watertight and dust tight



Enclosure

Polycarbonate

Light Output

Hi intensity LED

Beam Type

Wide beam – visible from 180°

Battery Duration

Up to 25 hours total light duration



- ATEX Approved for safe use in Zones 0,1 or 2
- Flashing or static output selectable
- Operation in flashing mode of up to two months
- Daylight cut-out mode selectable
- Ultra-bright L.E.D. light source
- 180° bi-directional lens arrangement
- Highlighting obstacles and dangers in the hazardous area
- Effective demarcation of hazardous area zones

Enclosure

Polypropylene with metal lens guard

Light Output

High intensity LED

Battery Duration

Up to 200 hours total light duration

**Wolf**

Airlamps

- CE marked to ATEX Directive, for use in Zones 1 and 2 Hazardous Areas
- Aluminium super-lightweight construction
- 250 watt Halogen light output
- Safe compressed air power source
- Re-designed for greater reliability
- Fitted with stainless steel exhaust
- Dust ignition protected for zones 21 and 22 using remote exhaust
- Group I Mining approval with alternative brass construction
- US Factory Mutual dual marking approval



Enclosure	Brass or Marine grade aluminium
Light Output	Up to 9000 lumens
Beam Type	Flood or Baylight options
Power Rating	250W
Battery Duration	0.75 m <sup>3</sup> / min



- 100 years of knowledge and experience
- Recognised and trusted brand name
- Global leader in portable hazardous area lighting
- Wide range of international hazardous area approvals
- In-house design and manufacture capabilities
- Technical support
- Total lighting solution for your customer
- Standard range held in stock & special items made to order
- Quick response to enquiries
- Full after sales support and availability of spare parts
- Global network of agents and distributors

**100 YEARS****WOLF CENTENARY**  
Always Bright, Always Safe