



**ATEX Directive  
94/9/EC  
Compliant**

# **WOLF** FLAMEPROOF LEADLAMP

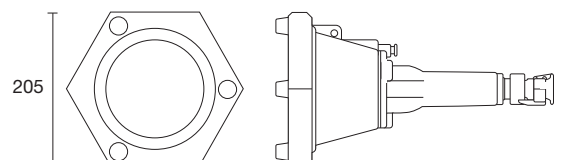
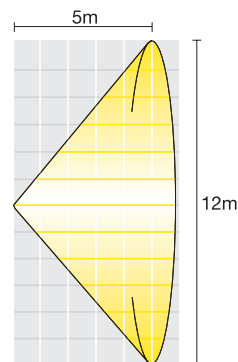


- Complies with ATEX Directive 94/9/EC
- High output halogen light, up to 70 watts
- Lightweight alloy construction for single handed portability
- Zone 1 & 2, Gas group IIC T3/T4 certified
- Designed for quick and easy re-lamping and maintenance
- 12, 24 or 42 Volts models available
- Integral operation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

**Wolf Flameproof Leadlamp LL-12**  
55w with flood beam (approx 100°)  
Peak Luminous Intensity at 5m 180 lux

**Wolf Flameproof Leadlamp LL-24**  
70w with flood beam (approx 100°)  
Peak Luminous Intensity at 5m 180 lux

**Wolf Flameproof Leadlamp LL-42**  
65w with flood beam (approx 100°)  
Peak Luminous Intensity at 5m 180 lux



The Wolf Flameproof Leadlamp is a lightweight portable Floodlight for use in potentially explosive atmospheres. It complies with the ATEX Directive (94/9/EC) and has been certified to the European EN50014 series of standards by the German test house DMT, for use in zones 1 and 2, group II (surface industry) hazardous area applications. It is approved for safe use in all potentially explosive gas, vapour and mist atmospheres to gas group IIC, where the T3/T4 temperature class permits.

Three different versions of the Leadlamp are available, with the option of powering from a 12, 24 or 42 Volt supply. Bulb ratings vary from 55 to 70 Watts, all versions offering unparalleled light output over an extremely wide 100° solid cone of light, ideal for confined space operations.

The Flameproof Leadlamp has a die cast aluminium alloy construction making the product lightweight and portable, ideal for carrying during extended shifts in offshore and onshore cleaning operations. The Leadlamp is constructed as a flameproof enclosure, containing the halogen bulb, switch and connecting wires. A flameproof threaded joint allows internal access, making bulb replacement and other minor maintenance a quick and simple

operation. A large hexagonal rubber moulded guard is fitted to the outside of the head of the lamp, ensuring the glass lens and the flameproof threaded joint are both protected from drop or impact damage. The handle is moulded in tough high impact plastic and fitted with a cable clamp, and provides protection for the increased safety clamped cable terminals.

Flameproof leadlamps are used extensively in many explosive atmosphere applications, particularly in cleaning, grit blasting and painting operations in tanks, silos and pipelines.

Cables and plugs of the appropriate rating and duty must be used. In explosive atmospheres 'Ex' component certified plugs, sockets and suitable fusing are required.

A leather carrying strap is supplied with each Lamp unit.

| <b>Wolf Flameproof Leadlamp<br/>Technical Specification</b> |  |                       |               |               |
|---|--|-----------------------|---------------|---------------|
| <b>Product reference</b>                                    |  | <b>LL-12</b>          | <b>LL-24</b>  | <b>LL-42</b>  |
| <b>Product designation</b>                                  | KHLE 70 EN   |                       |               |               |
| <b>Product description</b>                                  | High power halogen floodlight leadlamp                 |                       |               |               |
| <b>Code</b>   | II 2 G EEx d e IIC T3/T4                               |                       |               |               |
| <b>Type of protection</b>                                   | 'd' flameproof, 'e' increased safety                   |                       |               |               |
| <b>Area of classification (gases)</b>                       | Zones 1 and 2, gas groups IIA, IIB and IIC             |                       |               |               |
| <b>Temp. classification (gases)</b>                         | T4   | T3                    | T3            |               |
| <b>Ambient temperature</b>                                  | -20°C to +40°C   |                       |               |               |
| <b>Certification</b>  | BVS 03 ATEX E 229                                      |                       |               |               |
| <b>Enclosure</b>  | Light alloy, high impact plastic, oil resistant rubber |                       |               |               |
| <b>Lens</b>   | Toughened glass  |                       |               |               |
| <b>Light source:</b>  | Pt. no.  | <b>LL-230</b>         | <b>LL-232</b> | <b>LL-234</b> |
|   | Type   | Halogen filament lamp |               |               |
|   | Volts  | 12V                   | 24V           | 42V           |
|   | Watts  | 55W                   | 70W           | 65W           |
|   | Beam   | 100° wide angle flood |               |               |
|   | Life   | Up to 1000 hrs        |               |               |
| <b>Power source:</b>  | Insulation   | Class III             |               |               |
|   | Voltage  | 12 Vac/dc             | 24 Vac/dc     | 42 Vac/dc     |
| <b>Ingress Protection</b>                                   | IP54 minimum   |                       |               |               |
| <b>Weight</b>   | 2.5 Kg (excluding cable)                               |                       |               |               |

Note: All information has been gathered under laboratory conditions, the user must regard the values given as approximate. The Company reserves the right to alter product specifications without prior notice.

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