



WORLD'S LEADING MANUFACTURER
OF HAZARDOUS AREA PORTABLE
& TEMPORARY LIGHTING

Flameproof Leadlamp

Zones: 1 and 2



Product Overview

The Flameproof Leadlamp is a lightweight portable floodlight for use in potentially explosive atmospheres and is CE marked to the ATEX Directive for safe use in Zones 1 and 2 potentially explosive gas atmospheres, where a T3/T4 temperature class permits.

Three different versions are available, with the option of powering from a 12, 24 or 42 Volt supply. Bulb ratings vary from 55 to 70 Watts and all versions offer unparalleled light output over an extremely wide 100° solid cone of light, ideal for confined space operations. Flameproof leadlamps are used extensively in many explosive atmosphere applications, particularly in cleaning, grit blasting and painting operations in tanks, silos and pipelines.

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

A leather carrying strap is supplied with each Lamp unit.

Features & Benefits

- 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

Certifications

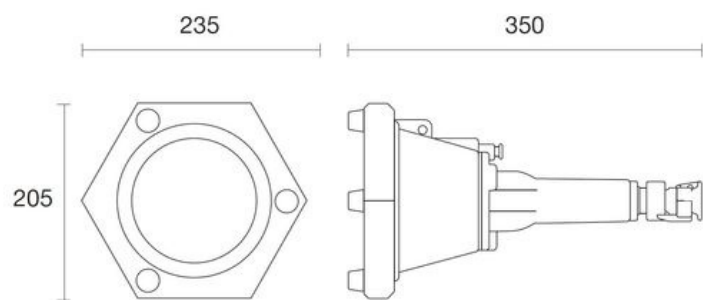


Technical Specification

Product Reference		LL-12	LL-24	LL-42
Product Designation		KHLE 70 EN		
Product Description		High Power Halogen Floodlight Leadlamp		
Code		II 2 G EEx d e IIC T3/T4		
Equipment Category		2G		
Type of Protection		"d" flameproof, "e" increased safety		
Area of Classification (Gas)		Zones 1 and 2, Gas Groups IIA, IIB, IIC		
Temp. Classification		T4	T3	
Ambient Temperature		-20° C to +40° C		
Certificate		BVS 03 ATEX E 279		
Enclosure		Light Alloy, High Impact Plastic, Oil Resistant Rubber		
Lens		Toughened Glass		
Light Source:	Part Number	LL-230	LL-232	LL-234
	Type	Halogen Filled Filament Bulb		
	Volts	12v	24v	42v
	Watts	55w	70w	65w
	Beam	100° Wide Angle Flood		
	Life	Up to 1000hrs		
Power Source:	Insulation	Class III		
	Voltage	12 Vac/dc	24 Vac/dc	42 Vac/dc
Ingress Protection		IP54 minimum		
Weight		2.5kg (excluding cable)		

- All information has been gathered under laboratory conditions, the user must regard the values given as approximate.
- Changes may be made to the above specification without notification, details are available on request.

Product Dimensions

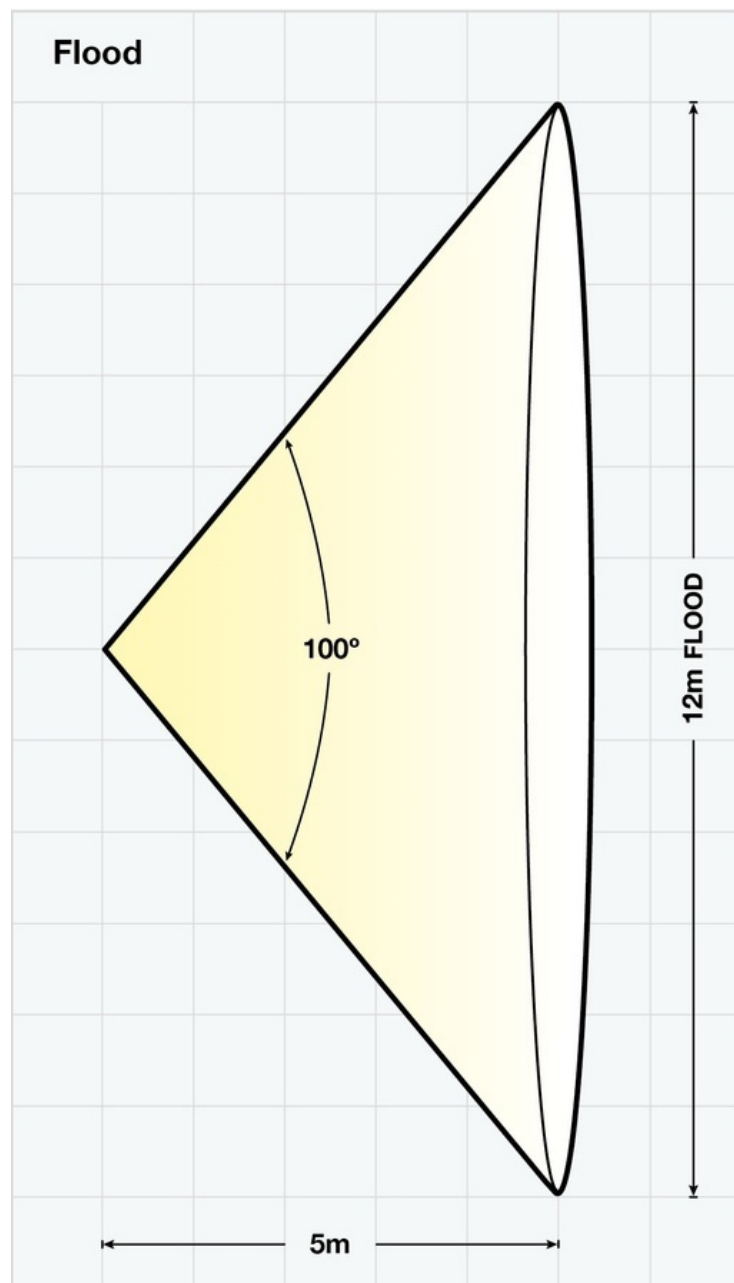


Light Output

LL-12 - 55w with Flood Beam (approx 100°) / Peak Luminous Intensity at 5m **180 lux**

LL-24 - 70w with Flood Beam (approx 100°) / Peak Luminous Intensity at 5m **180 lux**

LL-42 - 65w with Flood Beam (approx 100°) / Peak Luminous Intensity at 5m **180 lux**



Version: SL004 Issue 3



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