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

ATEX LED Inspection Leadlamp

Zones: 1, 2, 21 and 22



Product Overview

The ATEX LED Inspection Leadlamp SP-600 is a cable-powered, versatile and lightweight handheld light with impressive LED light output, making it ideal for inspection and work activities in hazardous areas. The SP-600 is CE marked to the ATEX Directive and IECEx certified safe for use in Zone 1 potentially explosive gas atmospheres, where a T4 temperature class permits, and Zone 21 potentially explosive dust atmospheres, with a maximum surface temperature of 95°C, as well as Group I mining applications.

The high power LED 'fitted for life' light source produces a forward facing high efficiency output of up to 470 lumens by emitting an exceptional, even, ultra-wide angle light; minimising shadows and enhancing visibility to provide optimum illumination for localised, close proximity work.

Lightweight, compact and ergonomically friendly, the Inspection Leadlamp is designed for handheld use, with an "easy-grip" handle for user comfort. With a flexible 360° swivel hook, the SP-600 can be suspended for hands-free use, and magnet mounting accessories are also available.

The unit is extremely robust and durable with impact resistant anti-static enclosure, IP67 rated, and scratch and chemical resistant polycarbonate hardcoat lens, to withstand the rigours of heavy industrial use. Further protection is possible by fitting a stainless steel cage guard for enhanced mechanical protection, or a protective sleeve to minimise residue build-up in very dirty or paint-filled atmospheres; both fully certified and ideal for use in the most demanding conditions.

The Leadlamp is available in three voltage input ranges: high 90-264VAC for general applications, and low 18-54VAC/20-54VDC and extra low 9-16VAC/DC for use in confined space applications, such as metal tanks.

Features & Benefits

- Ideal for handheld inspection and work activities in a hazardous area
- ATEX and IECEx approved for Zone 1 and 21 explosive gas and dust atmospheres
- 470 lumen high power 'fitted for life' LED light source
- High quality, even, ultra-wide angle LED light, reduces shadows and enhances visibility
- Large diffused light source minimises eye discomfort when viewed directly
- Lightweight and compact for handheld use
- Flexible integrated hook for suspension in the work area
- Robust and highly durable enclosure to withstand heavy industrial use
- Wide voltage range models
- Fitted with 10m HOFRC cable as standard
- IP67 rated for use in the harshest environments
- Group I mining approval
- Mounting and protection accessories available

Certifications



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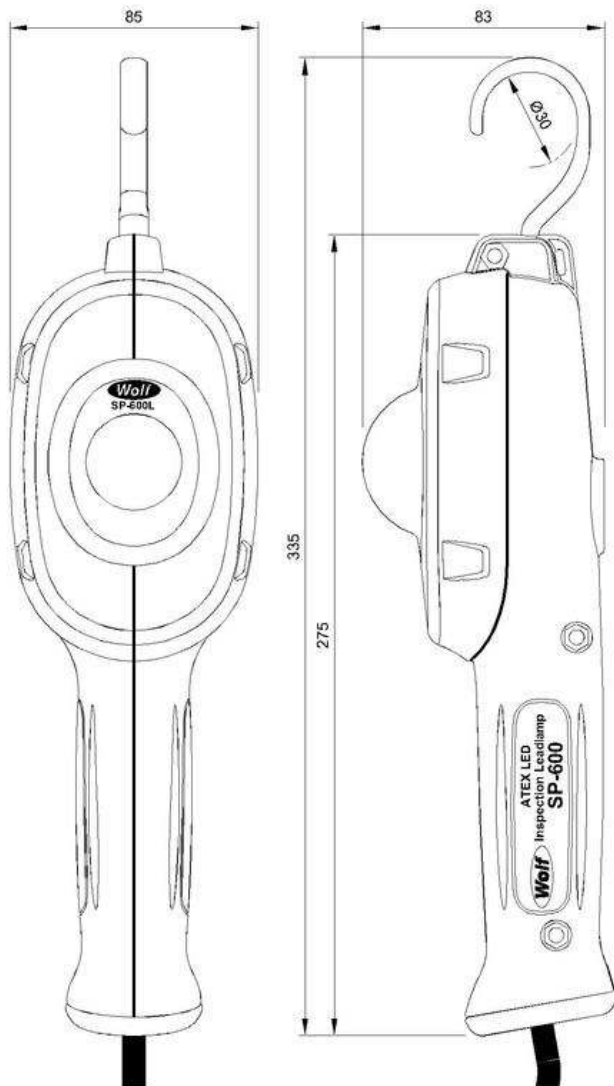
Technical Specification

Product Reference		SP-600H	SP-600L	SP-600EL
Product Description		ATEX LED Inspection Leadlamp		
		High (H)	Low (L)	Extra Low (EL)
Code		I M2 Ex eb mb I Mb (-30° C to +55° C) II 2G Ex eb mb IIC T4 Gb IP67 II 2D Ex mb tb IIIC T95° C Db		
Type of Protection		'eb' Increased Safety, 'mb' Encapsulation, 'tb' Dust Ignition Protection by Enclosure		
Area of Classification (Gas)		Zones 1 & 2 Gas Groups IIA, IIB & IIC		
Temperature Classification (Gas)		T4		
Area of Classification (Dust)		Zones 21 & 22 Dust Groups IIIA, IIIB & IIIC		
Max Surface Temperature (Dust)		T95° C		
Ambient Temperature		-30° C to +55° C		
Certificate		SIRA15ATEX3317X IECEX SIR15.0115X		
Enclosure		High Impact, Anti-Static Polypropylene		
Lens		Polycarbonate, Scratch and Chemical Resistant Hardcoat		
Light Source	Type	High Power LED		
	Output	470 lumens (at source) / 403 lumens (from leadlamp)		
	Life	60,000 hrs		
Power Source	Voltage	90-264VAC	18-54VAC 20-54VDC	9-16VAC/DC
	Plug	No plug supplied as standard		
	Cable	10m HOFR 2 core x 1.5 mm²		
Weight		1.785 kg		
Ingress Protection		IP67		

- 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

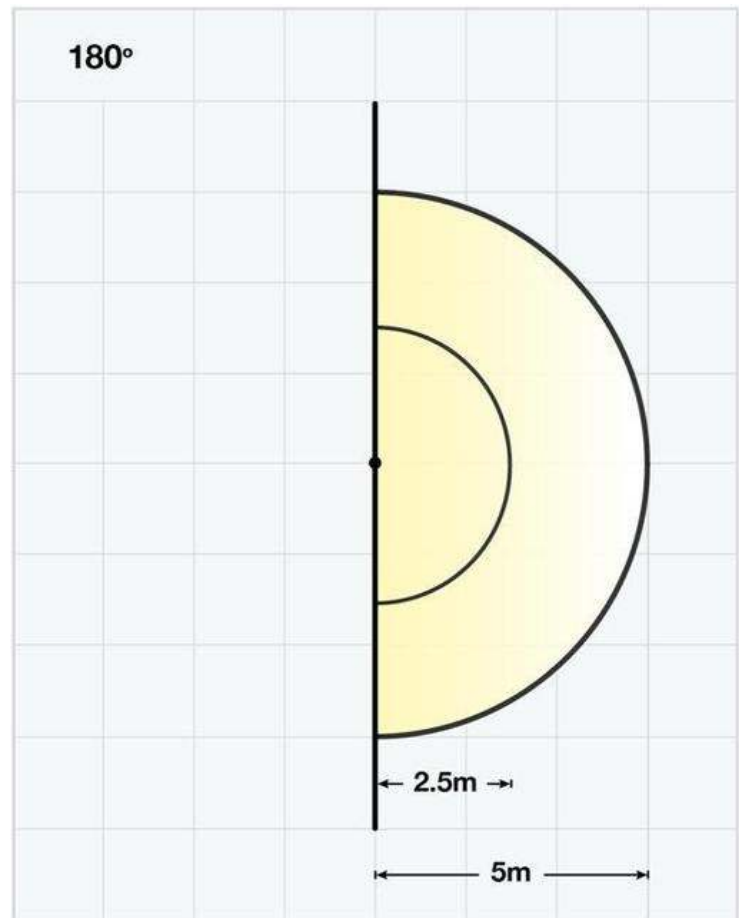
Product Dimensions

Height: 335mm (inc hook) / 275mm (exc hook)
Width: 85mm
Depth: 83mm



Light Output

Beam 180°
470 lumens (at source) / 403 lumens (from leadlamp)
Peak Illuminance at 1m 93 lux, 2.5 14.9 lux, 5m 3.72 lux



Version: SL073 DF345 Issue 1

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