

# LinkEx™ Portable Fluorescent Leadlamp

Zones: 1, 2, 21 and 22



## Product Overview

The LinkEx™ Portable Fluorescent Leadlamp is suitable for a multitude of applications where a temporary light is required for extended periods of time and is CE marked to the ATEX Directive and IECEx Certified for safe use in Zone 1 (Cat 2) IIC potentially explosive gas, vapour, mist and dust atmospheres, where a T3/T4 temperature class permits.

Available with twin side by side forward facing, or quad back to back 18W, 36W or 55W energy efficient fluorescent lamp combinations in a wide range of voltages (24V – 254V). The leadlamps can be supplied with direct cable entries or fitted with ATX plugs/sockets to allow the units to be instantly linked in series (plug and play), allowing for quick and easy installation over a large area. Rugged construction, and compact design allow lights to be connected together in the explosive atmosphere while energised.

Unistrut compatible mounting points on the lamps provide a flexible installation solution allowing them to be quickly and easily fixed in position on pipes, scaffold or a ferrous backdrop with magnetic fixings. Accessories are available to provide a quick, easy and low cost solution for mounting the lamps.

Easy maintenance is a key feature of the LinkEx™ Portable Fluorescent Leadlamp, re-lamping is simple and quick using standard compact fluorescent lamps readily available from electrical retailers and the operation takes a few minutes and can be done by a competent electrical engineer. The leadlamp is also certified to the 'End of Life' protection circuit ballast for enhanced safety, in accordance with HSE safety notice 8/05.

## Features & Benefits

- ATEX and IECEx Certified for zone 1 & 2 explosive gas and dust atmospheres
- Fitted with plugs and sockets, linkable in series
- Twin or quad lamp configuration
- Compact & robust design
- Wide voltage range 24V - 254V
- Uses standard compact fluorescent lamps for ease of maintenance
- Control ballast incorporates 'End of Life' protection circuit
- Integrated Unistrut compatible mounting points
- Emergency lamp variant available
- Industrial version available

## Certifications



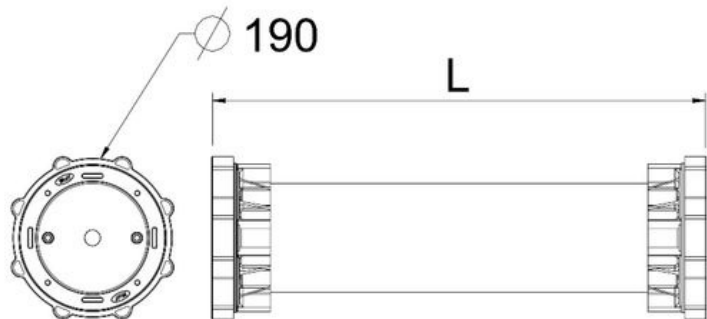
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# Technical Specification

<b>Product Reference</b>		<b>LL-500</b>				
<b>Product Description</b>		ATEX Fluorescent Leadlamp				
<b>Code</b>		II 2 GD Ex emb II T3/T4 Ex tD A21 IP66/67/68 T100°C II 2 GD Ex embd IIC T3/T4 Ex tD A21 IP66 T100°C (Linkable)				
<b>Type of Protection</b>		"e" increased safety, "m" encapsulation, "d" flameproof				
<b>Area of Classification (Gas)</b>		Zones 1 & 2, Gas Groups IIA, IIB, IIC				
<b>Temperature Class</b>		T3 on CFL Portable Units T4 on 'T8' lamp Static Application Units				
<b>Area of Classification (Gas)</b>		Zones 21 & 22				
<b>Max Surface Temp (Dust)</b>		100°C				
<b>Ambient Temperature</b>		2 x CFL Unit: (-20°C to +44°C) 4 x CFL Unit: (-20°C to +35°C) 2 x T8 Unit: (-20°C to +53°C)				
<b>Certificate</b>		SIRA08ATEX3098, IECEx SIR 10.0121				
<b>Enclosure</b>		Polymer				
<b>Lens</b>		Polycarbonate with AntiStatic Coating				
<b>Beam Type</b>		Wide angle, White, Area Light High Output, High Efficiency, Low Glare				
<b>Light Source:</b>	<b>Type</b>	Standard 2G11 CFL Compact Fluorescent / T8 Fluorescent Lamps				
	<b>Life</b>	Up to 10,000 hrs				
	<b>Power</b>	2x18W	2 x 36W	4 x 36W	2 x 55/58W	4 x 55/58W
	<b>Typical Consumption</b>	32W	62W	124W	92W	184W
	<b>Output</b>	2400lm	5800lm	11600lm	9600lm	19200lm
<b>Voltage:</b>	<b>220-254V AC/DC ±10%</b>	✓	✓	✓	✓	✓
	<b>110-130V AC/DC ±10%</b>	✓	✓	✓	-	-
	<b>42-52V AC/DC ±10%</b>	-	✓	-	-	-
	<b>24-28V AC/DC ±10%</b>	-	✓	-	-	-
<b>Weight</b>		2.7kg	4.1kg	5.5kg	5.0kg	6.4kg
<b>Length</b>		0.43m	0.58m	0.82m	0.78m	0.94m
<b>Ingress Protection</b>		IP66/67/68 (3M for 30 Minutes)				

- All products supplied with 4mm<sup>2</sup> SY Cable and ATX plugs/sockets as standard. CEAG and Stahl Plugs and Sockets available on request. Ships braided cable for offshore applications to BS6883 available on request. All products supplied with fluorescent lamps fitted as standard.
- 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.

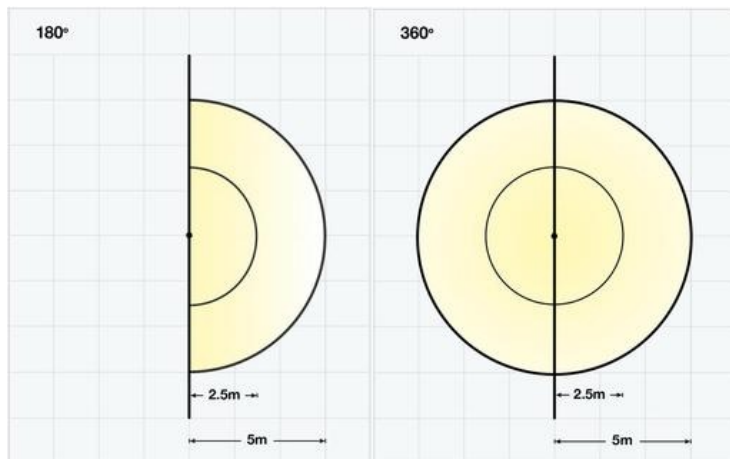
## Product Dimensions



## Light Output

2 x 36W 180° or 4 x 36W 360°

Peak luminous intensity at 2.5m 190 lux, at 5m 50 lux



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