



THORNE &  
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INTERNATIONAL

Thorne & Derrick  
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# STR1 Streetlight



IP66



The STR1 is an LED road lantern designed for use in Zone 2 & 22 hazardous areas.

## Key Features:

- Low windage design suitable for mounting on poles 7-10m
- High performance optical design for maximum spacing between poles
- Maintenance free LED design with five-year complete system warranty



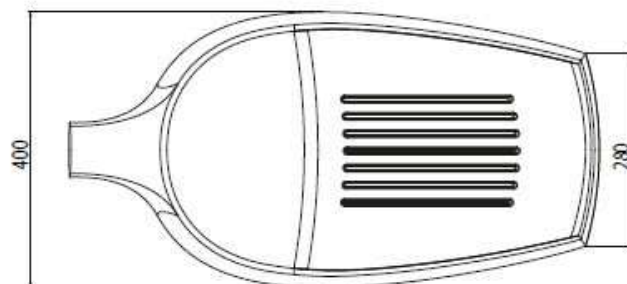
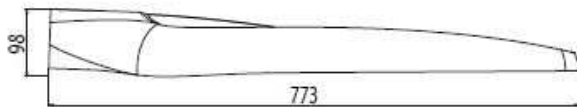
## Luminaire Ratings

Product Reference	Lamp Type	Lumen Output (lm)	Power (W)	Windage (m <sup>2</sup> )	Ambient Temperature	Weight (kg)
LX2STR5LB41	LED	12,348	120	0.07	- 50°C to +55°C	11Kg

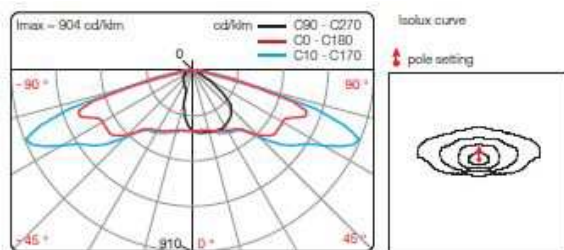
## Standard Specifications

Luminaire Type	Zone 2 LED road lantern
Ingress Protection	IP66 to EN60529
Material	Epoxy painted die cast marine grade Aluminium body, toughened glass window, silicone gasket and stainless steel fixings
Distribution/output	ERS standard road luminance optic
Lamp Types	Light emitting diode (4100K)
LED Life	60,000 hours L <sub>80</sub> @ 50°C
Colour Rendering Index	>75
Cable Entry	1 x M20 clearance hole
Terminals	Terminals block for up to 4mm <sup>2</sup> conductors
Control Gear	HF electronic driver with overvoltage and harmonic protection to EN61000-3-2, EN 61000-3-3 and EN 61000-4-5
Orientation	Horizontal, beam down
Mounting	Side arm mounting – Ø60 to Ø62mm
Supply	90 to 305V 50/60Hz ac
<b>Certification</b>	
Area Classification	Zone 2 & 22, Gas and Dust
Type of Protection	Ex nR (restricted breathing)
Apparatus Coding	Ex nR IIC T* Gc, Ex tc IIIC T100°C Dc
Certificate	AB15ATEX4111X

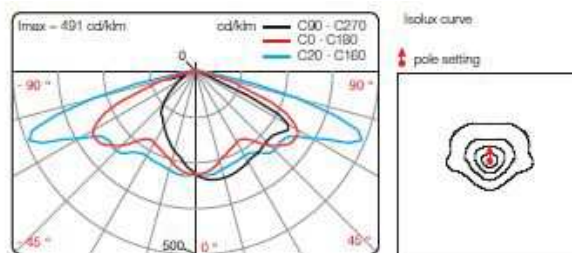
## Luminaire Dimensions



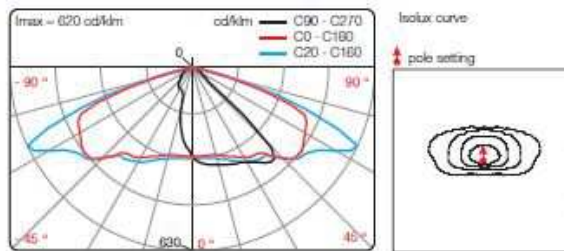
ERS Optic



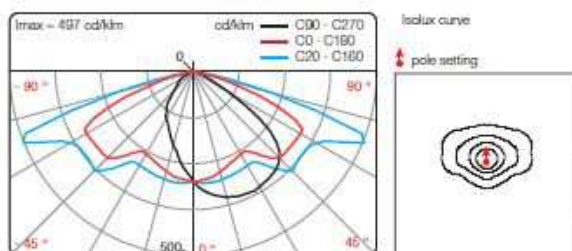
ERL Optic



LRS Optic



LRL Optic



## Options

ERL	Wide road luminance (emphasis on spacing)
LRS	Standard road luminance (emphasis on uniformity)
LRL	Wide road luminance (emphasis on uniformity)

Add the required suffix to the product reference.

Example: **LX2STR4LB41ERL** = Zone 2 LED streetlight with ERL optic

## Accessories

LX4STR-PT5

Post top bracket with 5° tilt (62 – 100 mm Ø)



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