

# Sun 72 XL100 - LED Flood Light

## Sun - LED Flood Light Range

Sun 12 XL100 AC  
Sun 12 XL100 DC

Sun 24 XL100 AC  
Sun 24 XL100 DC

Sun 48 XL100 AC  
Sun 48 XL100 DC

Sun 72 XL100 AC  
Sun 72 XL 100 DC

The **Sun 72 XL100** LED lighting solution is a environmentally friendly, energy saving, replacement for a traditional sodium, mercury and halogen style flood light.

This LED flood light is ready for connection to either AC mains power supply or our Mercury solar power management unit, which provides a flexible lighting solution where mains power is not available or desired



These LED flood lights can be used singularly or in groups to provide lighting for applications ranging from recreation area lighting to warehouse lighting, sign lighting, building lighting, car park lighting and perimeter fence lighting.

Note: All LEDs are encased in a compound that will give them protection from any ingress of liquids or solids and all other electronic components are enclosed in an IP66 rated assembly.

### Key Benefits of LED Lighting:

- Long life span > 50,000hrs.
- Low Power Consumption.
- Low maintenance costs.
- No Bulb replacements.
- More power to light than power to heat.
- Low carbon emissions.
- Excellent colour rendition.
- Fixtures contain no mercury or lead.
- Reduced Light pollution.
- Higher Efficacy = More lumens per watt.

### Added Benefits For Cold Stores:

- LED Lighting does not diminish in cold temperatures.
- LED's strike instantly in the cold allowing lighting to be turned off in periods of inactivity.
- LED's use up to 75% less energy reducing refrigeration loan.
- LED's create a white light similar to daylight allowing employees to locate goods efficiently.
- Much Safer – No glass to break, no white-hot filament, no noxious fumes.
- LED performance inherently increases as operating temperatures drop.

## Gemma LIGHTING LIMITED

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### Specifications: Sun 72 XL100 - LED Flood Light

	AC	DC
<b>Product Code</b>	S-72-4-2A-A	S-72-4-1D-A
<b>Power Consumption</b>	95 Watts	72 Watts
<b>Input Voltage</b>	230V AC 50Hz / 110V AC 60Hz	12 VDC
<b>Light Source</b>	1W High Power LED	
<b>LED QTY</b>	72	
<b>Total LED Output</b>	7200 lm	
<b>Operating Lumens at 25°C</b>	5400 lm	
<b>LED Colour</b>	Cool White	
<b>Colour Temp (K)</b>	5400 - 6300 degrees K (Standard)	
<b>CRI</b>	Ra>70	
<b>LED Lifespan</b>	>50,000 Hours	
<b>Operating Temperature</b>	-30 degrees C to + 70 degrees C	
<b>Working Humidity</b>	0 ~ 95%	
<b>Turn on time</b>	100ns	
<b>Product Size (mm)</b>	435mm x 435mm x 178mm	
<b>Unit colour</b>	Silver	
<b>Net Weight</b>	8.75Kg	
<b>Mounting</b>	Chain Mounted Bracket (Standard) Pole and Wall Mounted versions available.	
<b>Protection Rate</b>	IP66 (Light Engine & Power Supply)	
<b>Certification</b>	RoHS, CE	
<b>Warranty</b>	3 Years	

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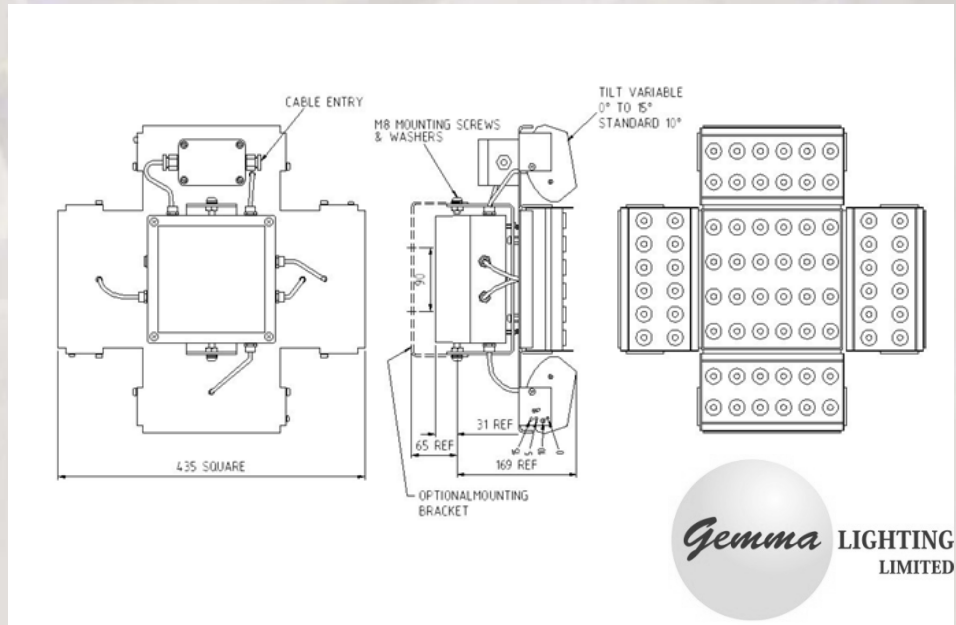
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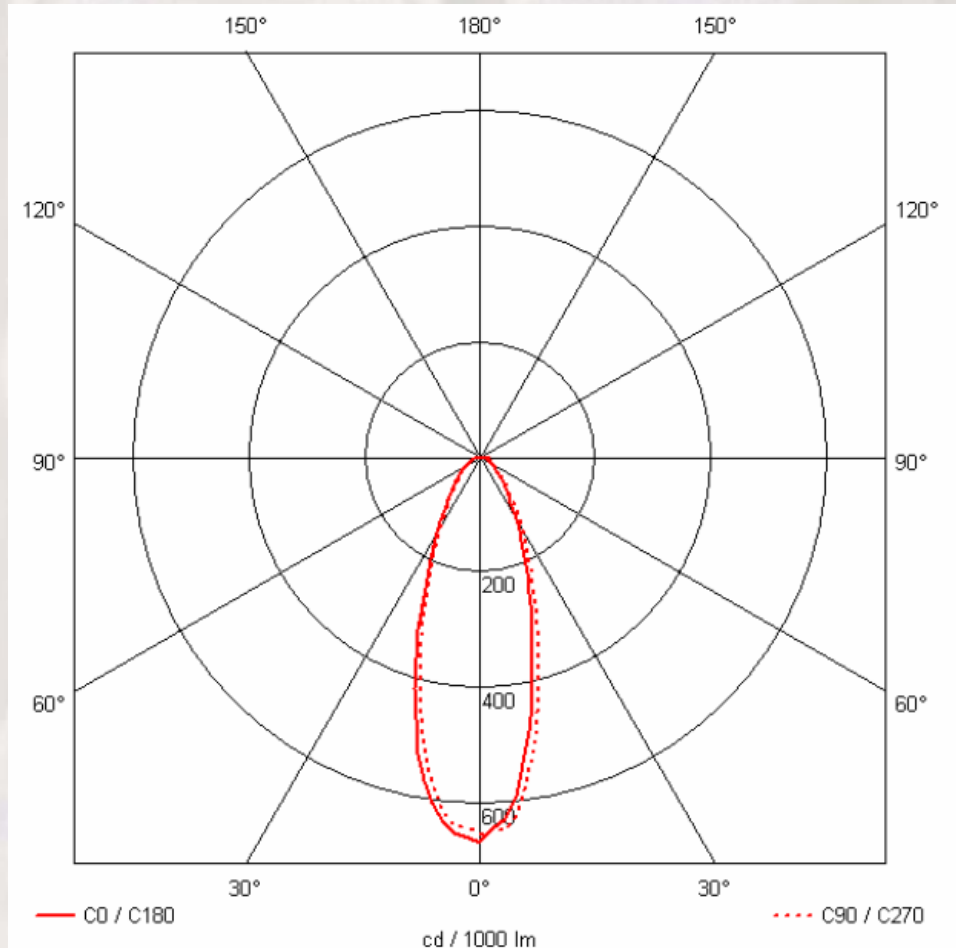
Sun 24 XL100 AC  
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Sun 48 XL100 AC  
Sun 48 XL100 DC

Sun 72 XL100 AC  
Sun 72 XL100 DC



Above: CAD diagram for Sun 72 XL100 – LED Flood Light



Above: Polar plot of the Sun 72 XL100 - LED Flood Light. Measured in candela per kilolumens.

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