

# XLN12

## LED Series

Lightweight, extremely durable and water-tight linear strip fixtures to withstand the most demanding hazardous location environments.



### CERTIFICATIONS



IP66/67/68



UL844  
UL1598A  
UL8750

### CLASSIFICATION

CLASS I	
Division 2	Groups A, B, C, D
Zone 2	Group IIC
CLASS II	
Division 2	Groups F, G
Zone 22	
CLASS III	

Contact your ABB sales representative to verify classification

# XLN12 LED

## Key features and benefits

### Mounting

- Fixture has two mount options:
  - End brackets that allow for easy field adjustable 360° rotation
  - Carriage bolts for mounting to surfaces

### Housing

- Extruded aluminum and copper-free aluminum casting
- MIL-SPEC Hard anodizing (body) and super-durable powdercoat (end caps) suitable for rugged outdoor environments
- Custom brackets available upon request
- Polycarbonate lens designed to withstand severe impact

### CREE LEDs

- Proven reliability
- High efficiency
- Superior CRI (80+)
- Available in standard 5000 K and 3500 K with custom color and dual color options available for special order

### Power supplies

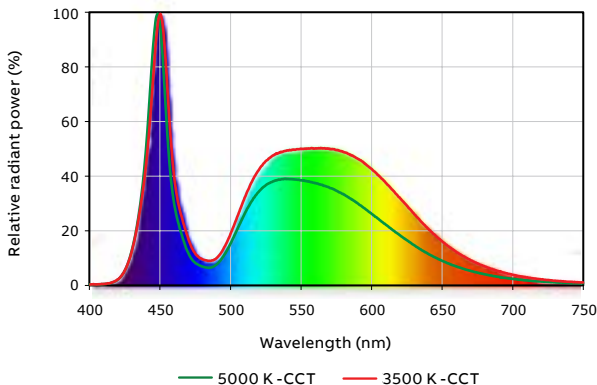
- Utilizes high performance LED drivers for better efficiency and up to 100,000 hours of maintenance-free operation
- 12 V or 24 V DC input options can run directly off of vehicle or facility low voltage DC
- High-efficiency internal reflector maximizes output

### Thermal management

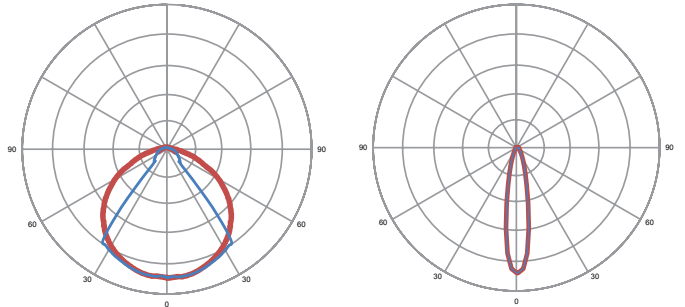
- Heat-sink designed for optimal heat dissipation

### Color temperature

Available standard in 5000 K, with additional color temperatures available from 2700 to 6500 K.



### Optic options



#### W – Wide 100°

Model	Lumen output (CW)
XLN12-1	586
XLN12-2	1172
XLN12-3	1758
XLN12-4	2289

#### N – Narrow 30° (DC only)

Model	Lumen output (CW)
XLN12-1	559
XLN12-2	1118
XLN12-3	1677
XLN12-4	2236

### Reflector

- High efficiency internal reflector maximizes output

### Electronics enclosure

- Direct transfer of heat from PCB to the casing to maximize lifetime and reliability
- Suitable for wet location
- Unique case design utilizes compression for sealing and eliminates fasteners on the front face

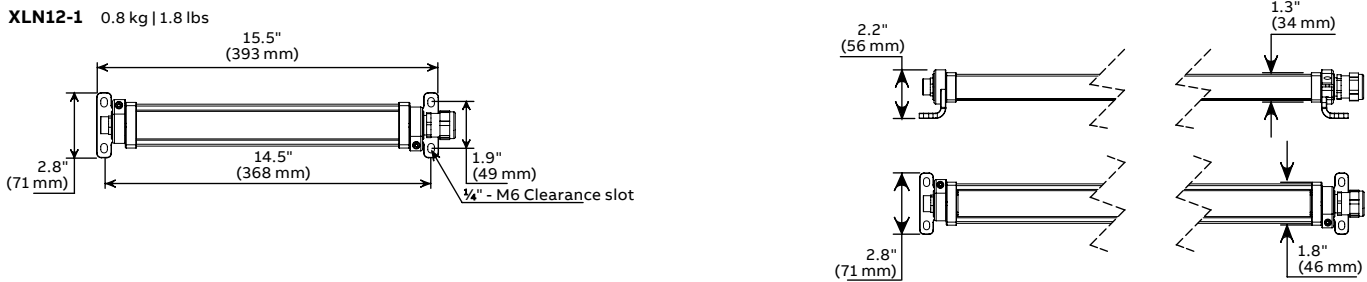
### Power consumption

Model	XLN12-1	XLN12-2	XLN12-3	XLN12-4	
<b>Power</b>	12 VDC	12W	21W	36W	48W
	24 VDC	11W	21W	32W	42W
	120 VAC	10W	20W	31W	41W
<b>Current</b>	12 VDC	0.75A	1.5A	2.3A	3.0A
	24 VDC	0.40A	0.75A	1.1A	1.5A
	120 VAC	0.09A	0.17A	0.23A	0.34A

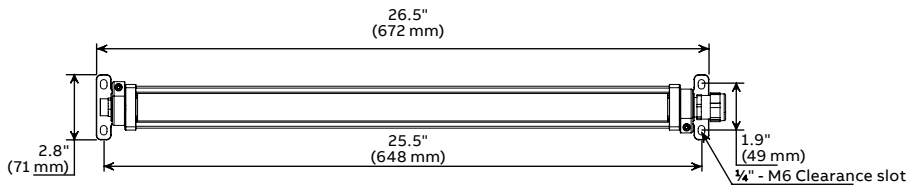
## XLN12 LED

### Dimensions

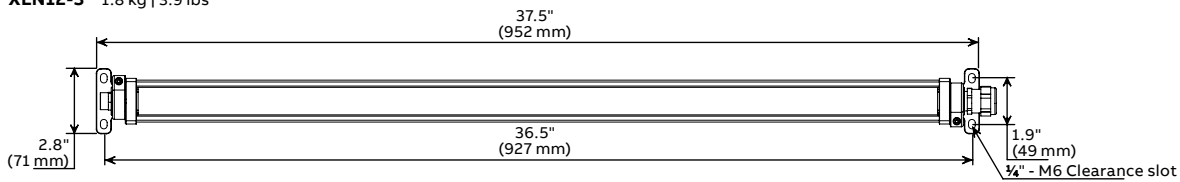
#### XLN12-1 0.8 kg | 1.8 lbs



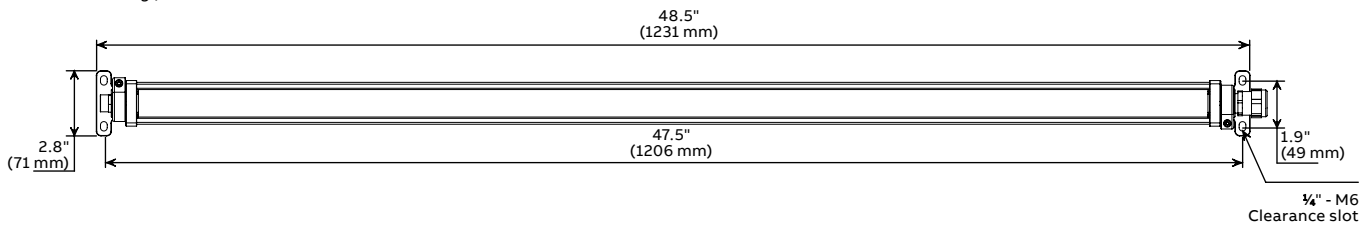
#### XLN12-2 1.2 kg | 2.6 lbs



#### XLN12-3 1.8 kg | 3.9 lbs



#### XLN12-4 2.4 kg | 5.3 lbs

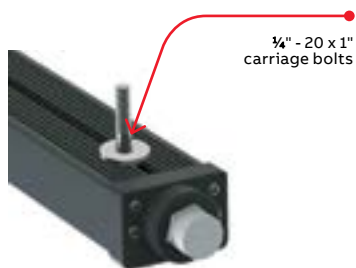


### Mounting options

#### A - Adjustable mounting bracket



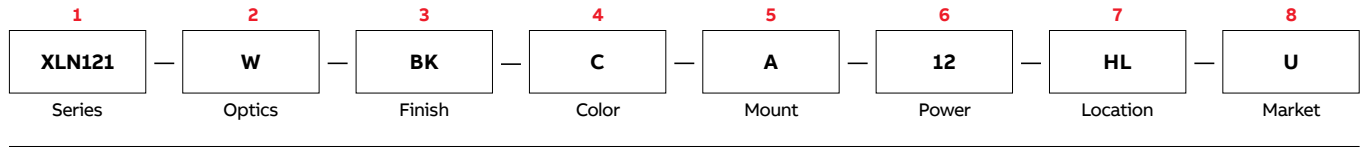
#### B - Carriage bolt/surface mount



# XLN12 LED

## Numbering system

### Lighting fixture



### Lighting fixture

Part	Part number	Description
1 Series	<b>XLN121</b>	1 Foot
	<b>XLN122</b>	2 Foot
	<b>XLN123</b>	3 Foot
	<b>XLN124</b>	4 Foot
2 Optics	<b>N</b>	Narrow 30° <sup>1</sup>
	<b>W</b>	Wide 100°
3 Finish	<b>BK</b>	Black
4 Color	<b>C</b>	Cool white
	<b>W</b>	Warm white
5 Mount	<b>A</b>	Adjustable
	<b>B</b>	Carriage bolt
6 Power	<b>12</b>	11–16 VDC
	<b>24</b>	21–28 VDC
	<b>120</b>	120 VAC
7 Location	<b>HL</b>	Hazardous location
8 Market	<b>Blank</b>	Canadian market
	<b>U</b>	US market

<sup>1</sup>Available in DC only

