

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

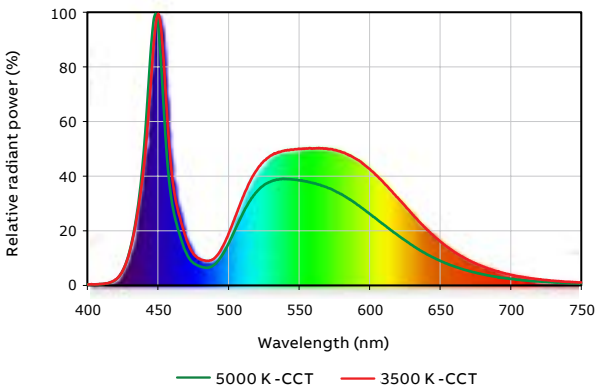
- Utilizes high performance LED drivers for better efficiency and up to 100,000 hours of maintenance-free operation
- 12 V or 24 V DC input options can run directly off of vehicle or facility low voltage DC
- High-efficiency internal reflector maximizes output

Thermal management

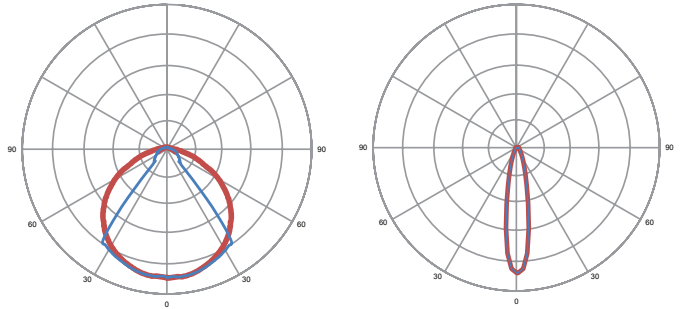
- Heat-sink designed for optimal heat dissipation

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

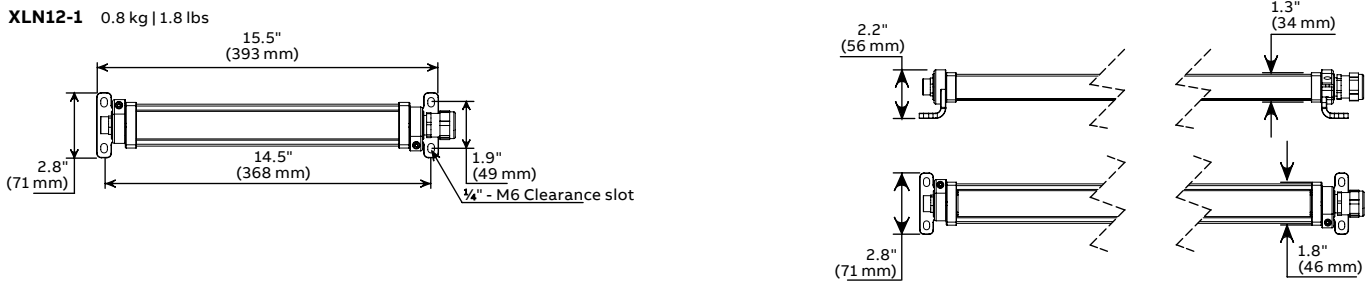
Power consumption

Model	XLN12-1	XLN12-2	XLN12-3	XLN12-4	
Power	12 VDC	12W	21W	36W	48W
	24 VDC	11W	21W	32W	42W
	120 VAC	10W	20W	31W	41W
Current	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

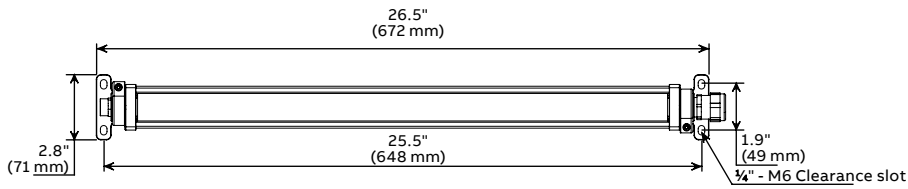
XLN12 LED

Dimensions

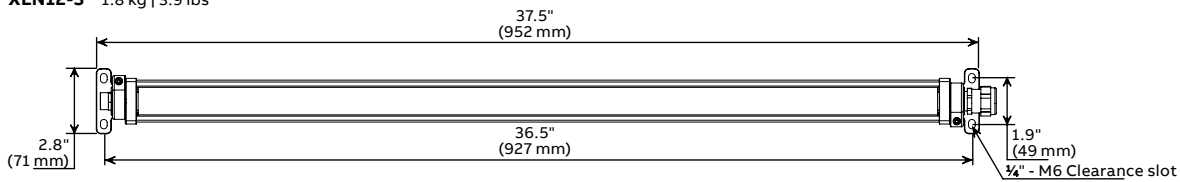
XLN12-1 0.8 kg | 1.8 lbs



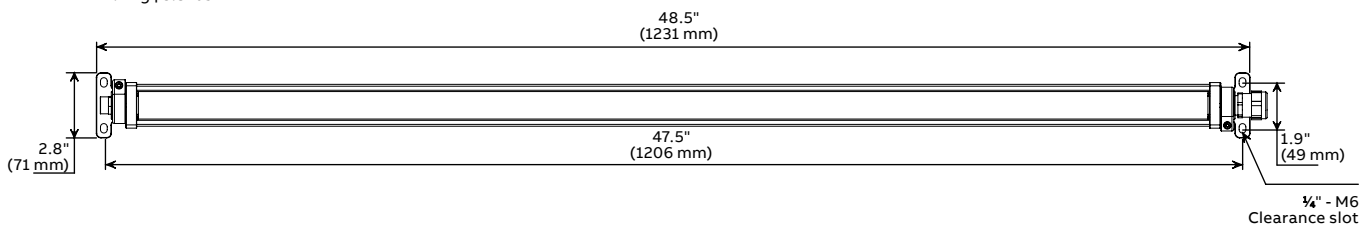
XLN12-2 1.2 kg | 2.6 lbs



XLN12-3 1.8 kg | 3.9 lbs



XLN12-4 2.4 kg | 5.3 lbs

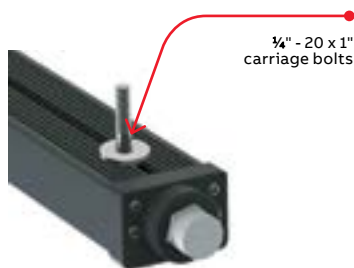


Mounting options

A - Adjustable mounting bracket



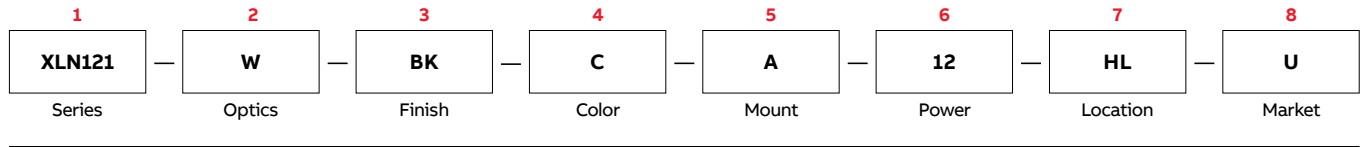
B - Carriage bolt/surface mount



XLN12 LED

Numbering system

Lighting fixture



Lighting fixture

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

¹Available in DC only

