

# LGS LED

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



Available in 100° wide beam profile (AC and DC) and 30° wide beam profile (DC)

Lifespan up to 60,500 hours (AC) and 100,000 hours (DC)

Standard with 3ft. whip

Easy field angle adjustment

Compatible with most ELV dimmers (AC)

IP66 Gore® vented enclosure

Available in multiple lengths

## 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

## CERTIFICATIONS



## LGS 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

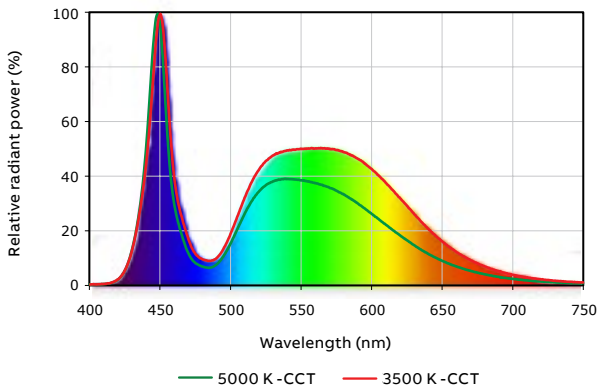
- Utilizes high performance LED drivers for better efficiency and up to 100,000 hours of maintenance-free operation
- 12 V or 24 V DC input options can run directly off of vehicle or facility low voltage DC
- High-efficiency internal reflector maximizes output

#### Thermal management

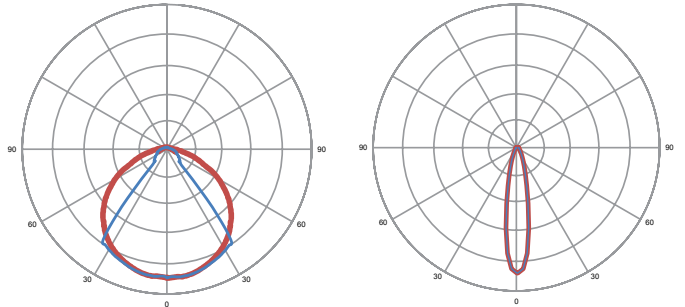
- Heat-sink designed for optimal heat dissipation

#### 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)
LGS-1	586
LGS-2	1172
LGS-3	1758
LGS-4	2289

#### N – Narrow 30° (DC only)

Model	Lumen output (CW)
LGS-1	559
LGS-2	1118
LGS-3	1677
LGS-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

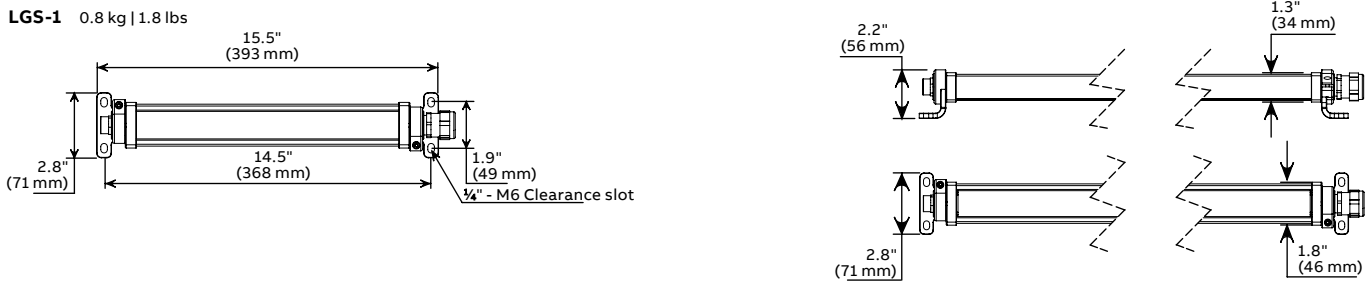
#### Power consumption

Model	LGS-1	LGS-2	LGS-3	LGS-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

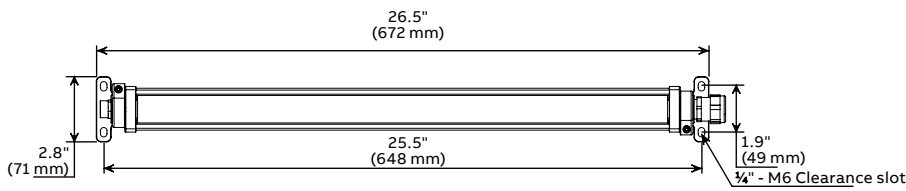
## LGS LED

### Dimensions

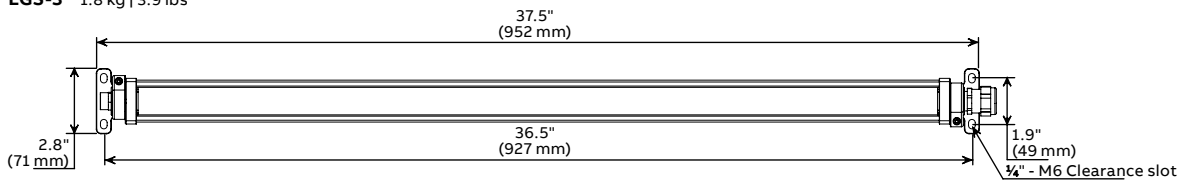
**LGS-1** 0.8 kg | 1.8 lbs



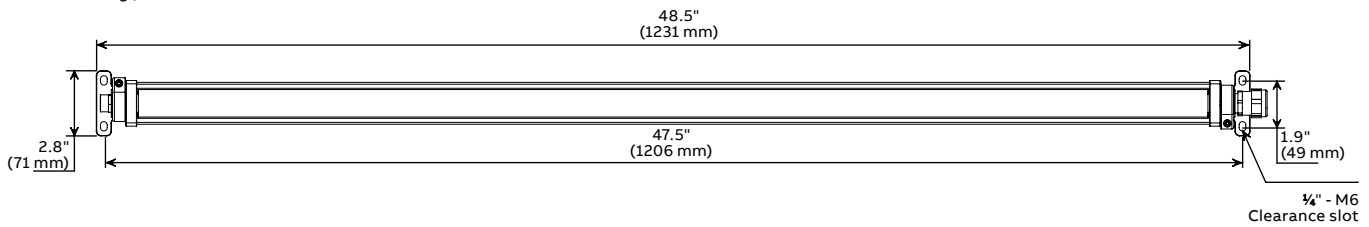
**LGS-2** 1.2 kg | 2.6 lbs



**LGS-3** 1.8 kg | 3.9 lbs



**LGS-4** 2.4 kg | 5.3 lbs

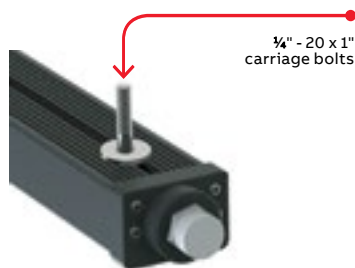


### Mounting options

**A - Adjustable mounting bracket**



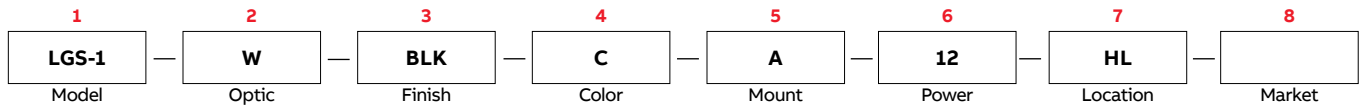
**B - Carriage bolt/surface mount**



## LGS LED

### Numbering system

#### Lighting fixture



#### Lighting fixture

Part	Part number	Description
1 Model	LGS-1	559 to 586 lumens
	LGS-2	1118 to 1172 lumens
	LGS-3	1677 to 1758 lumens
	LGS-4	2236 to 2289 lumens
2 Optic	W	Wide 100°
	N	Narrow 30° (DC version only)
3 Finish	BLK	Black
4 Color	C	Cool white
	W	Warm white
5 Mount	A	Adjustable
	B	Carriage bolt
6 Power	12	11–16 V DC
	24	21–28 V DC
	120	120 V AC
7 Location	HL	Hazardous location
8 Market	BLANK	Canadian market
	US	US market

