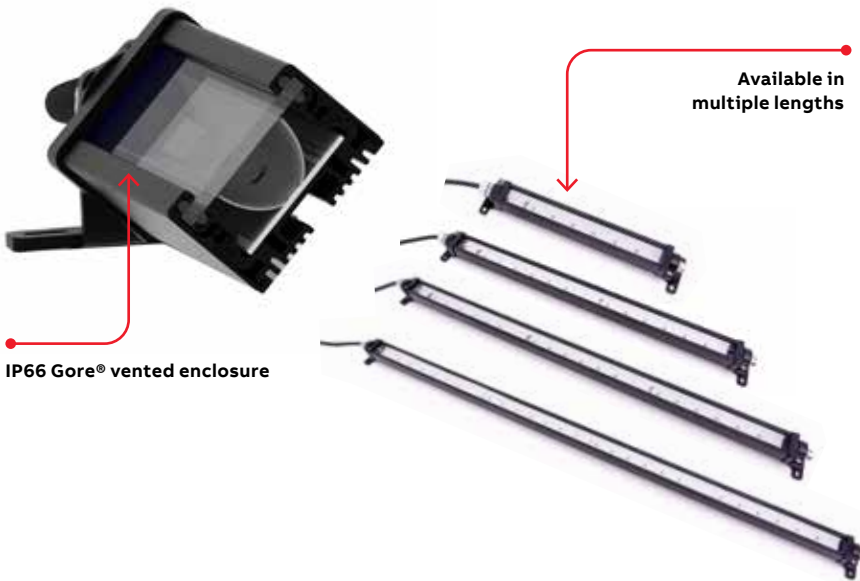
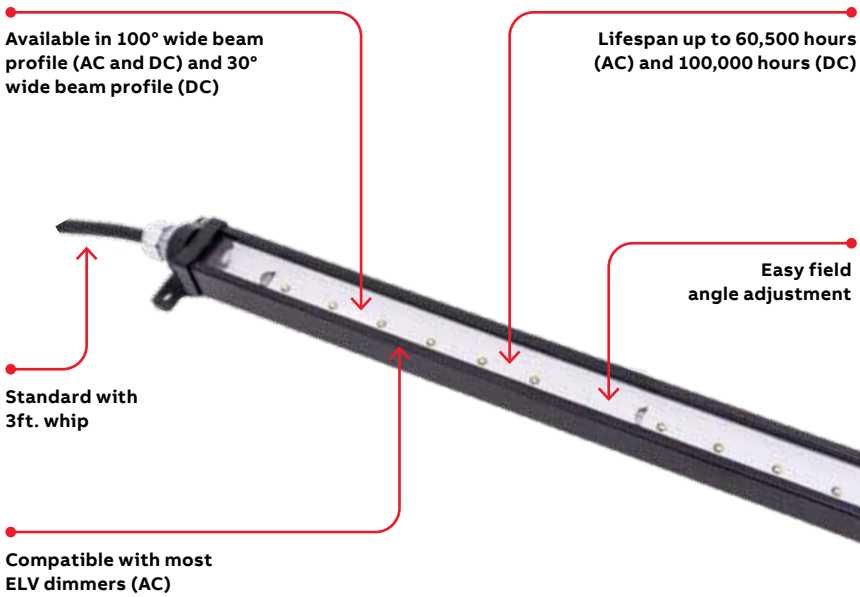


# LGS LED

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

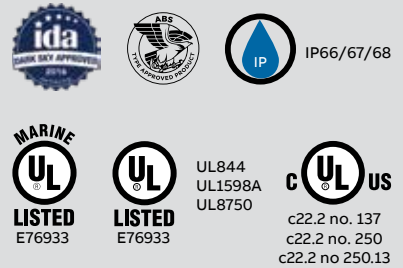


## CLASSIFICATION

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 AND RATINGS



## Applications

- Vehicle/equipment
- Enclosures
- Tunnel lighting

## 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
- Frequency 120 VAC, 50/60Hz

#### Thermal management

- Heat-sink designed for optimal heat dissipation

#### Color temperature

Available in 3500 K and 5000 K, with additional color temperatures available from 2700 to 6500 K.

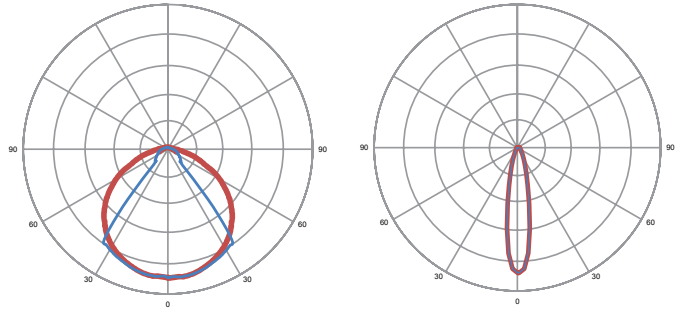
#### Temperature codes

<b>T5</b>	Class 1, Div 2, Groups A, B, C, D
<b>T4A</b>	Class II, Div. 2, Groups F, G

#### Operating temperature

- AC -40 to 149°F (-40 to 65°C)
- DC -40 to 140°F (-40 to 60°C)

#### Optic options



W – Wide 100°	
Model	Lumen output (CW)
LGS-1	586
<b>BUG rating : B1-U0-G0</b>	
LGS-2	1172
LGS-3	1758
LGS-4	2289
<b>BUG rating : B2-U0-G0</b>	

N – Narrow 30° (DC only)	
Model	Lumen output (CW)
LGS-1	559
<b>BUG rating : B2-U0-G0</b>	
LGS-2	1118
LGS-3	1677
LGS-4	2236
<b>BUG rating : B3-U0-G0</b>	

#### 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

#### Warranty

5 years

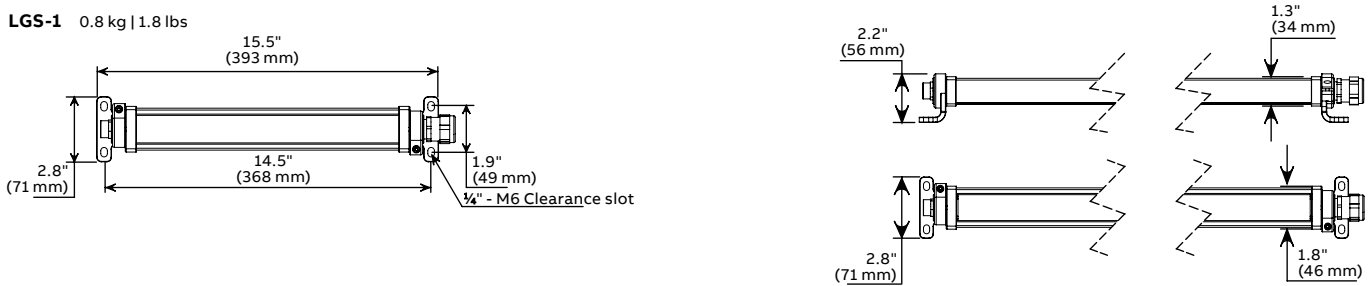
#### Power consumption

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

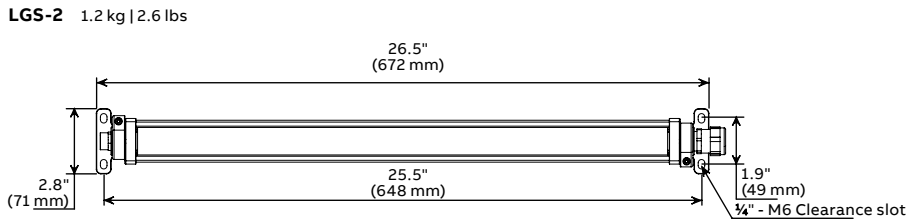
# LGS LED

## Dimensions

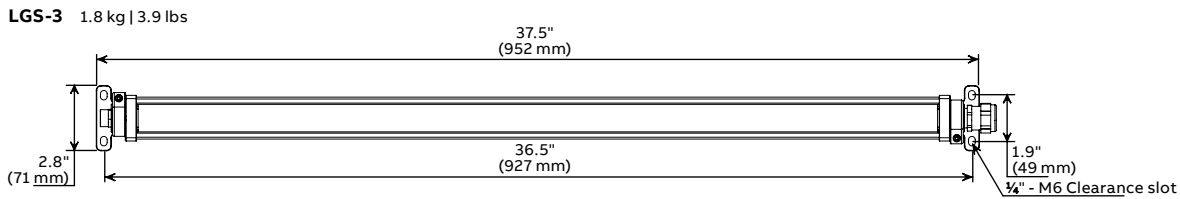
**LGS-1** 0.8 kg | 1.8 lbs



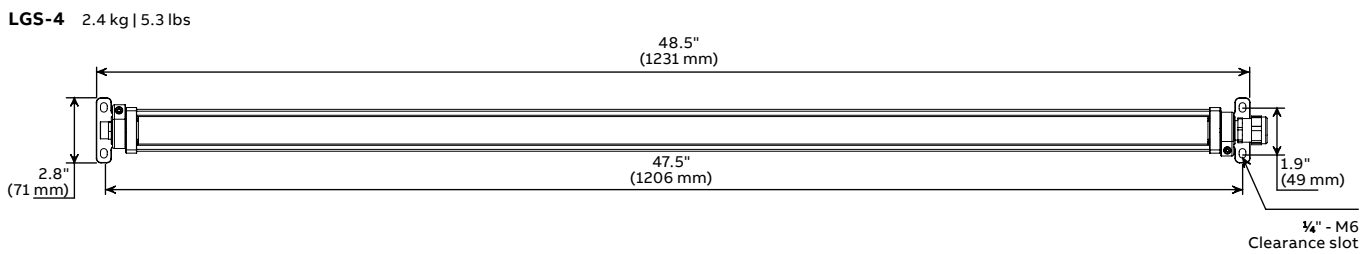
**LGS-2** 1.2 kg | 2.6 lbs



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



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

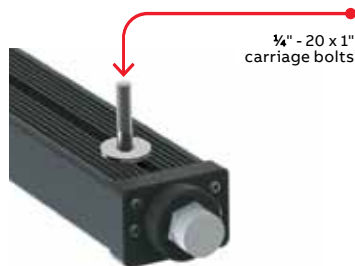


## Mounting options

**A - Adjustable mounting bracket (optional)**



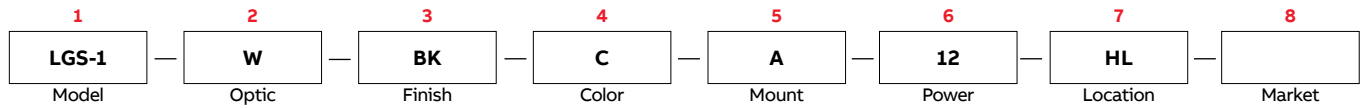
**B - Carriage bolt/surface mount (optional)**



# 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	BK	Black
4 Color	C	5000 K Cool white
	W <sup>1</sup>	3500 K 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, 50/60Hz
7 Location	HL	Hazardous location
8 Market	BLANK	Canadian market
	U	US market

<sup>1</sup>Option subject to extended lead time

