

LGS LED

Light weight, 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

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

Easy field angle adjustment

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

Compatible with most ELV dimmers (AC)

IP66 Gore® vented enclosure

Available in multiple lengths

CERTIFICATIONS



UL 844
UL 1598
UL 2108
UL 8750

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
- 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 impacts (Passes 7J impact exceeding IK08 requirements).

CREE LEDs

- Proven reliability
- High efficiency
- Superior CRI
- Available in standard 5,000 K and 3,500 K with custom color and dual color options available for special order

Power supplies

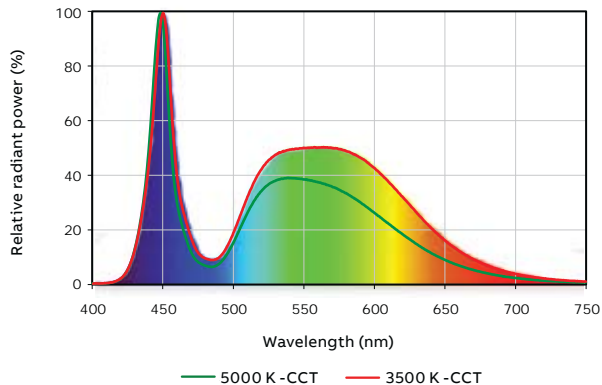
- Utilizes high performance LED drivers for better efficiency and up to 100,000 hours of maintenance-free operation
- 12 V or 24 V DC input options can run directly off of vehicle or facility low voltage DC

Thermal management

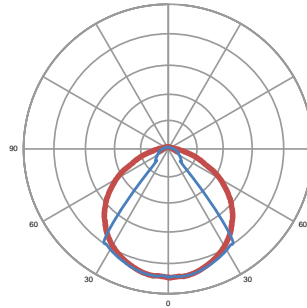
- Heat-sink designed for optimal heat dissipation

Color temperature

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

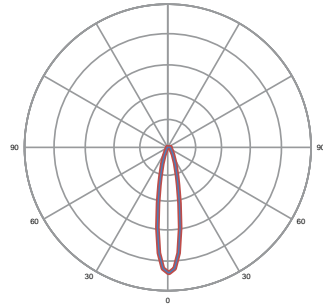


Optic options



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

Light engine

- Metal core printed circuit board
- Modular optics
- Linear drive circuits used in DC versions produce no flicker or high frequency electronic noise
- AC units produce light at 120 Hz with no visible flicker and no high frequency switching noise

Reflector

- High efficiency internal reflector maximizes output

Electronics enclosure

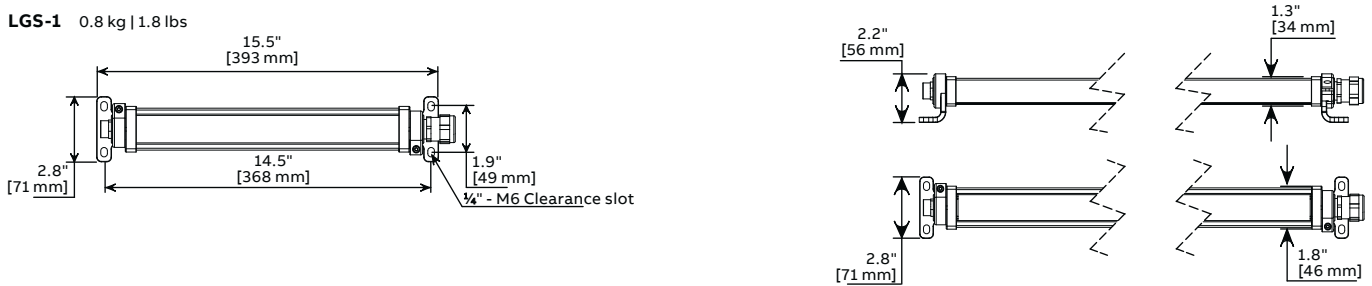
- Direct transfer of heat from printed circuit board to the casing to maximize lifetime and reliability
- Suitable for wet location
- Unique case design utilizes compression for sealing and eliminates fasteners on the front face
- All LGS models will be factory sealed and provided with a T&B cable gland and 3' flying lead; external junction box not supplied (customers are not permitted to open the LGS fixtures, as it permanently compromises the seal)



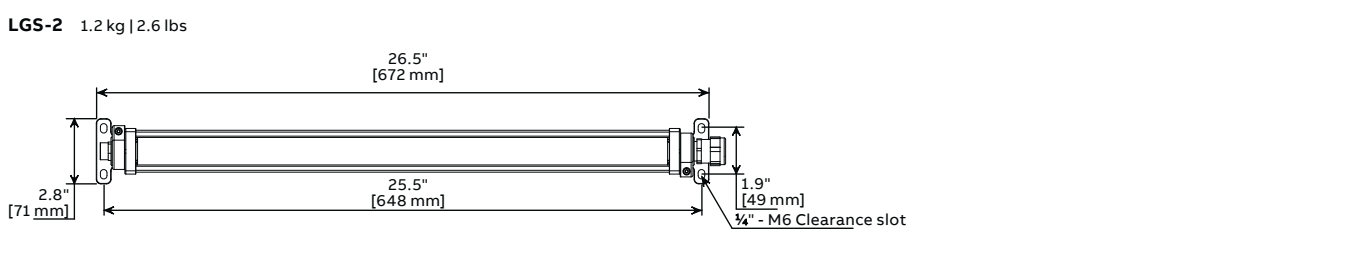
LGS LED

Dimensions

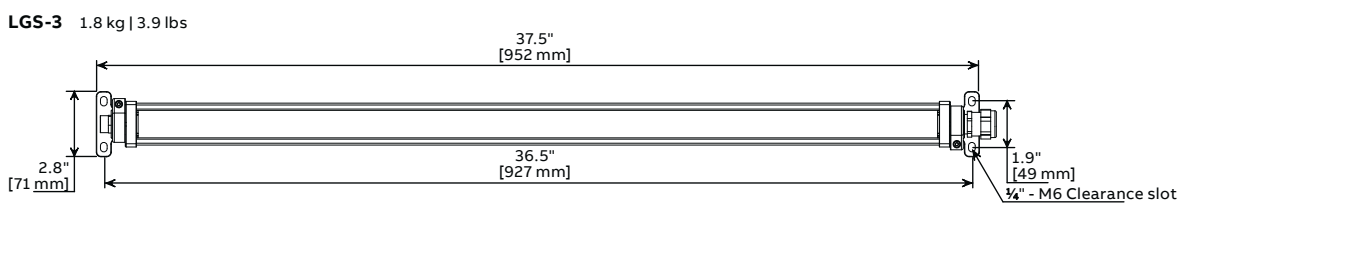
LGS-1 0.8 kg | 1.8 lbs



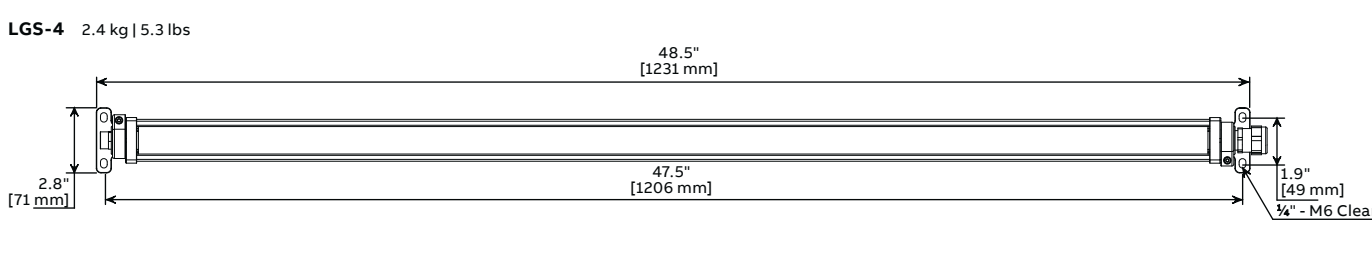
LGS-2 1.2 kg | 2.6 lbs



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

LGS-1	W	BLK	C	A	12	HL	U
1	2	3	4	5	6	7	8

01. Lighting fixture

Part	Part number	Description
1 Model	LGS-1	586 Lumens output (CW)
	LGS-2	1172 Lumens output (CW)
	LGS-3	1758 Lumens output (CW)
	LGS-4	2289 Lumens output (CW)
2 Optic	W	Wide 100°
	N	Narrow 30° (DC version only)
3 Finish	BLK	Black
4 Color	C	Cool white (5000 K)
	W	Warm white (3500 K)
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		Canadian market
	U	US market