



TWL SERIES

JOBSITE STRING LIGHT

INTRODUCTION

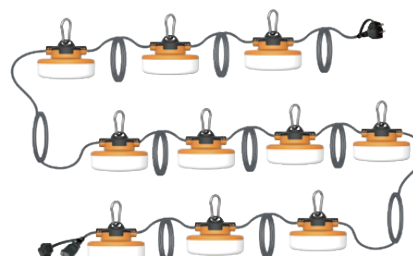
The FGE-TWL Series Jobsite String Light is designed for reliable temporary illumination, built with heavy-duty components to meet the demands of job sites, construction areas, and industrial workspaces. It combines stable lighting output with durable construction, ensuring consistent performance in tough environments.

This temporary string light uses high-quality LED light sources, delivering bright and uniform light while maintaining high energy efficiency. The robust structure and impact-resistant design allow it to withstand daily wear, vibration, and outdoor conditions for long-lasting use.

The FGE-TWL series is easy to install and operate, making it highly suitable for construction sites, workshops, temporary venues, and maintenance areas. With strong durability and reliable lighting, it provides safe, practical illumination for a wide range of temporary applications.



TWL-5



TWL-10

FEATURES



125lm/W

High Efficacy & Energy Saving: Up to 125 lm/W, reducing energy consumption by over 60% compared with HID fixtures.



QUICK & EASY

Easy Installation and Portable: With hook, suitable for indoor and outdoor use, multiple lights can be connected to extend lighting range.



Linkable Plug and Play: The 50ft model features 5 x 13W LEDs (65W total) and supports up to 6 units daisy-chained, while the 100ft model has 10 x 13W LEDs (130W total) and supports up to 3 units daisy-chained.



Instant On, No Delay: Provides immediate, consistent lighting with no warm-up time or delay, enhancing convenience and usability.



Weatherproof 2/3-Prong Plugs: Ensures reliable power connections in damp or outdoor conditions, safeguarding against moisture and debris for consistent, long-term use.



UV and Mercury Free: Reduces environmental impact, eliminates health risks from toxic materials, and supports safer, more sustainable operation.



270° Wide Beam Angle: Provides larger and more uniform lighting coverage across the workspace or jobsite



RELIABLE
WARRANTY

Reliable Warranty:
5 Years Warranty.

- Advanced Optical Design:

High-transmittance PC lens, ensuring uniform illumination and glare reduction.

- Robust Protection:

IP65 waterproof & dustproof, IK08 impact resistance for harsh industrial environments.

- Input Voltage:

AC120V.

APPLICATIONS



Industrial Construction Site: The bright, uniform LED illumination improves visibility across large, open work areas. The linkable design allows to daisy-chain multiple units together, creating a continuous lighting line that can be easily extended or reconfigured to match the changing layout of a construction site. This eliminates the need for multiple power sources and simplifies installation.



Mining, Tunnel and Underground: These heavy-duty string work lights provide reliable, high-brightness illumination in underground mining or tunnels. Designed for durability and safety, they ensure clear visibility for workers in low-light, rugged environments, supporting safe and efficient operations.



Temporary Worksite/Workshop: The linkable, string-style design allows for quick and easy installation. The lights can be suspended from overhead structures, providing overhead lighting that keeps the work area clear and unobstructed, which is essential for safe and efficient movement.

TECHNICAL PARAMETERS

Product Model	TWL-5	TWL-6
Electrical Performance		
Wattage	65W: 5x13W	130W: 10x13W
Input Voltage	AC120V	AC120V
Frequency	50/60Hz	50/60Hz
Power Factor (PF)	≥0.5	≥0.5
Surge Protection	L/N-PE: 1kV, L-N: 1kV	L/N-PE: 1kV, L-N: 1kV
THD	<20%	<20%
Optical Performance		
Luminous Efficacy	125lm/W	125lm/W
Luminous Flux	8000lm	16000lm
CCT	5000K	5000K
CRI	Ra>80	Ra>80
Beam Angle	270°	270°
Unified Glare Rating (UGR)	-	-
Reliability		
Lifetime	>100,000h	>100,000h
Operating Temperature	-40 ~ +40°C	-40 ~ +40°C
Storage Temperature	-30 ~ +80°C	-30 ~ +80°C
Ingress Protection	IP65	IP65
Impact Resistance	IK08	IK08
Mechanical		
Housing Material	PC	PC
Lens Material	PC Milky Cover	PC Milky Cover
Coating	Orange	Orange
Net Weight	1.68kg	3.36kg
Dimensions	50FT	100FT
Warranty	5 Years	5 Years

PRODUCT DETAILS



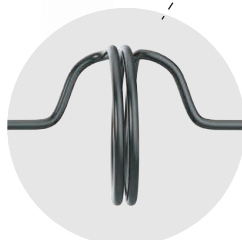
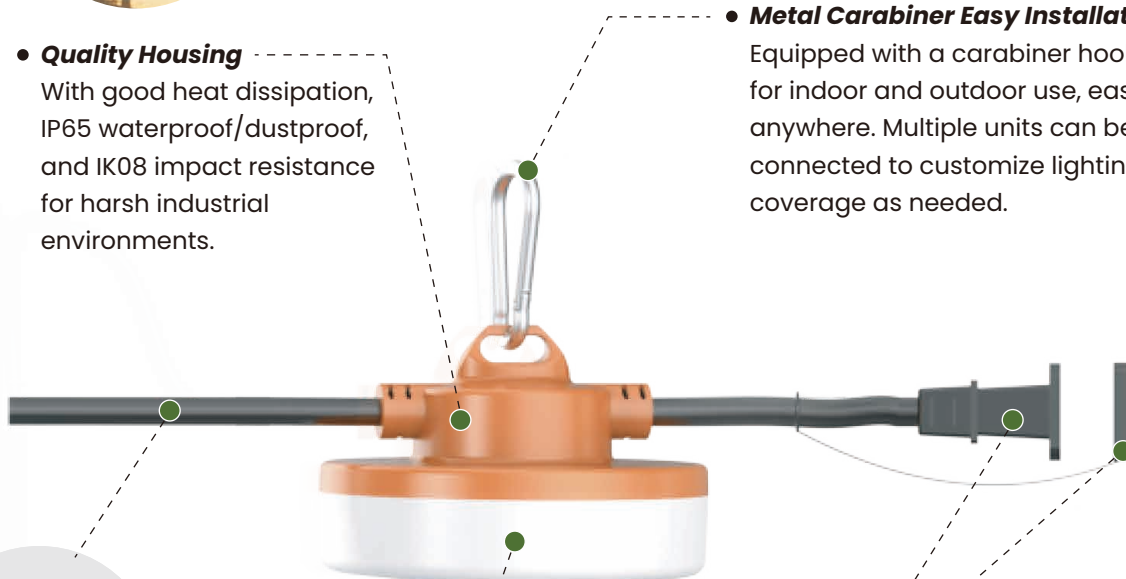
- **Quality Housing**

With good heat dissipation, IP65 waterproof/dustproof, and IK08 impact resistance for harsh industrial environments.



- **Metal Carabiner Easy Installation**

Equipped with a carabiner hook, suitable for indoor and outdoor use, easy to hang anywhere. Multiple units can be connected to customize lighting coverage as needed.



- **Heavy Duty 18 Gauge Wire**

10-ft cord between the lamps.



- **PC Cover**

Milk white PC cover can diffuse direct Light



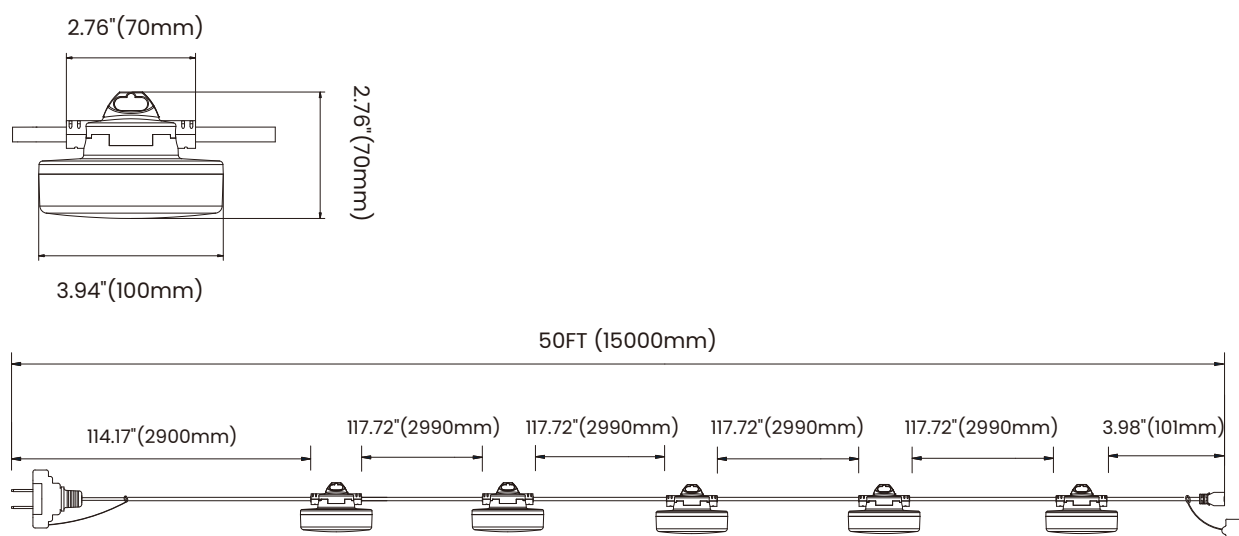
- **Multi-Light Linkable Design**

The 50ft model features 5 x 13W LEDs (65W total) and supports up to 6 units daisy-chained, while the 100ft model has 10 x 13W LEDs (130W total) and supports up to 3 units daisy-chained.

- **Weatherproof 2/3-Prong Plugs**

Available with 2-prong or 3-prong plug and receptacle with weatherproof cover.

MECHANICAL DIMENSIONS

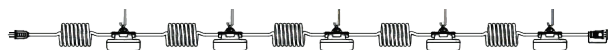


Product Model	TWL-5	TWL-6
Wattage	65W: 5x13W	130W: 10x13W
Outer box (L*W*H)	455x455x210mm (17.91"x17.91"x0.83")	455x455x210mm (17.91"x17.91"x0.83")
Q'ty/Ctn	4pcs	2pcs
N.W./Ctn	1.68kg/3.70lbs	3.36kg/7.40lbs
G.W./Ctn	6.9kg/15.18lbs	6.85kg/15.07lbs
Remarks	-	-

LINKABLE UNITS

TWL-5

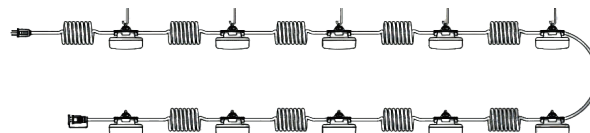
5 lamps one set



65W Maximum link 6 sets (18 AWG), 10 sets (16 AWG)

TWL-10

10 lamps one set



130W Maximum link 3 sets (18 AWG), 5 sets (16 AWG)

5 lamps one set (Standard)	L=50ft (15m)	10 lamps one set (Standard)	L=100ft (30m)
15 lamps one set	L=150ft (46m)	25 lamps one set	L=250ft (76m)
20 lamps one set	L=200ft (61m)	30 lamps one set	L=300ft (91m)

ORDER INFORMATION

TWL-YY-YY-Y

① ② ③ ④ ⑤ ⑥

**① TWL Series
Jobsite String Light**

② Lamp Qty

5	5 Lamps
10	10 Lamps

③ Wattage

65W	65W
130W	130W

④ Color Temperature

50K	5000K
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⑤ Voltage

(Blank)	120V
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⑥ Optics

(Blank)	270°
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WARRANTY PERIOD
**5 YEARS
WARRANTY**



WARRANTY COVERAGE
**LED LIGHT SOURCE,
DRIVER**



AFTER-SALES
SERVICE COMMITMENT
24H RESPONSE



AFTER-SALES
SERVICE COMMITMENT
72H RESOLUTION/REPLACEMENT