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MLBLT-18W-LED-LV-25

18W Low Voltage LED Spotlight w/ Magnetic Base - Adjustable Base - 25' Cord w/ Plug

Product ID: 147899

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image: MLBLT-18W-LED-LV-25

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

MLBLT-18W-LED-LV-25

Lamp Type: CREE LED
Dimensions: 4.75"L x 2.3" Diameter
Weight: 2 lbs
Voltage: 12-24V AC/DC
Total Watts: 18W
Total Lumens: 1,530
Luminous Efficacy: 85 Lm/W
LED Lamp Life Expectancy: 50,000+
Color Temp:5000K
Color Rendering Index: 85
Beam Type: 25° Spot or 60° Flood
Power Efficiency: >90%
Power Factor: 0.9
Operating Temperature Range: -40°C to +85°C
Typical Case Temperature: -20°C above ambient temp.
Housing Material: Aluminum
Housing Color: Black, Bronze or White
Lens Material: Polycarbonate
Mounting: 100lb magnetic base
Wiring: 25` 16/3 SOOW Cable
Cord Cap: L5-15, L6-15, L5-20, L6-20, BS1363, Schuko, Pigtail, Deutsch, or SAE

Ratings

NRTL Listed for use in United States and Canada.
Waterproof / Vapor proof
IP65 Ingress Protection
Impact/Vibration Resistant Construction
50,000 Hour LED life

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
E-mail:

The MLBLT-18W-LED-LV-25 from Larson Electronics offers high purity optics, industrial grade construction, and effortless adjustability in a compact form. This IP65 rated LED light generates an impressive 1,530 lumens while drawing only 18 watts of energy. In addition to a powerful 100lb grip magnetic base for quick and easy on-the-go mounting, this light features a unique dual bracket design that allows the operator to guide the light through a full range of vertical and horizontal movement with ease. This is a LOW VOLTAGE light designed to operate on 12-24V AC/DC, DO NOT plug this light into a HIGH VOLTAGE power source. Plug options are for convenience and custom setups, not meant for use with standard high voltage outlets.

The MLBLT-18W-LED-LV-25 magnetic mount light features one high output LED lamp that yields 1,530 lumens of cool white light with a color temperature of 5000K and a CRI of 85, providing maximum illumination and superior color rendering while drawing a modest 18 watts of energy. This lamp uses Cree LED units that have been chosen for their high lumen per watt ratio and extreme longevity. These Cree LEDs generate a robust 85 lumens per watt effective lumen output and have a 70% lumen retention at 50,000 hours, giving them better efficiency and operational life than traditional light sources. Larson Electronics offers the MLBLT-18W-LED-LV-25 in a 60° diffused wide angle flood beam or a focused 25° spot beam configuration for illuminating longer distances.



Click Photo to Enlarge



Click Photo to Enlarge



Click Photo to Enlarge

The MLBLT-18W-25 is built to withstand harsh conditions and grueling use. The housing on this LED unit is constructed of durable machined aluminum that is powder coated with a solid black finish for added weather and corrosion resistant. An impact resistant polycarbonate lens provides the MLBLT-18W-25 with additional resiliency and protection from.

The light head is mounted to a 100lb grip magnetic mount base using a trunnion style bracket that allows the head to be vertically adjusted to the operator's desired position. This bracketing system will also maintain a fixed beam position after placement if stationary lighting is preferred.

LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current is applied, providing instant illumination with no warm up or cool down time before re-striking. Because there is no warm up period, this light can be cycled on and off with no reduction in lamp life.

LED lights run at significantly cooler temperatures than traditional metal halide and high pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more

energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat emissions from bulb type lights, and the operator risks associated with traditional lighting methods, such as accidental burns and exposure to hazardous substances contained in the glass bulbs, are eliminated. In addition, LEDs are also safer for the environment as they are 100% recyclable, which eliminates the need for costly special disposal services required with traditional gas burning and arc type lamps.

Mounting: The MLBLT-18W-LED-LV-25 portable LED light is mounted using a magnetic base and can be attached anywhere there is ferrous metal. With 100lbs of gripping power, this magnetic base is strong enough to keep the light unit affixed to a vehicle even while in motion.

Click Photos to Enlarge



L5-15 Twist Lock Plug
15 Amp / 125V Rated



L6-15 Twist Lock Plug
15 Amp / 250V Rated



Intl Schuko 2-Pin Plug
16 Amp / 250V Rated / Grounded



Flying Leads / Pigtail Wires

Plug Options: The MLBLT-18W-LED-LV-25 is designed to operate on voltages of 12-24V AC/DC. This unit is equipped with a 25' SOOW cord fitted with an industrial grade cord cap for easy connection to common wall outlets. Plug options include a 2-Pin DT04-2P Deutsch connector, a 2-Pin SAE connector, NEMA L5-15 15 amp twist lock plug for 125V twist lock outlets, NEMA L6-15 15 amp twist lock plug for 240V twist lock outlets, British BS1363 13 amp fused 3-blade plug for United Kingdom outlets, or a two pin 16 amp rated Schuko plug with ground contact and socket for European outlets up to 250V. THIS IS A LOW VOLTAGE LIGHT, DO NOT PLUG INTO STANDARD HIGH VOLTAGE POWER OUTLETS! Alternatively, we can provide flying leads with no plug for hard wire applications or for operators who prefer to wire in user provided cord caps. Please choose pigtail option below for flying leads with no plug. Contact sales@larsonelectronics.com for more information.

Applications: Hunting, Security and Law Enforcement, ATVs, Military, Recreation, Portable Work Area Lights

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can

custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

Made in the USA Quality

1. Low power consumption
2. Instant on/off operation
3. Machined aluminum body
4. Superior color rendering compared to Halogen and HID
5. Retains 70% lumen output after 50,000 operating hours
6. 100lb grip magnetic base
7. Built for Toughness and Durability
8. Low profile - Lightweight
9. 1,530 Lumen output from only 18 watts

Superior LED Benefits

1. 50,000 hour lifespan.
2. Can SAVE 50% or more on energy.
3. Qualifies retrofit projects for financial incentives, including utility rebates, tax credits and energy loan programs.
4. Reduces energy use and prolongs life-spans of peripheral cooling units (A/C, refrigeration)
5. 100% recyclable.
6. No toxins-lead, mercury.
7. No UV light, infrared radiation or CO2 emissions.
8. Qualifies buildings for LED and other sustainable business certifications.
9. Bright, even light maintains consistent color over time.
10. Instant on/off - No flickering, delays or buzzing.
11. Very good color rendering.
12. Vibration/impact resistant.
13. Significantly cooler operation.
14. Less frequent outages, higher output improves workplace safety.

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Frequently Asked Questions (FAQ)

There are no Faqs



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Product ID: 147899

Harmonized System (HS) Code: 9405.41.84.10
Export Control Classification Number (ECCN): EAR99

Options:

MLBLT-18W-LED-LV-25-Plug-Beam Config-Housing Color
Example: MLBLT-18W-LED-LV-25-5.15P-SP-BLK

Plug	
5-15P	-5.15P
L5-15 TWIST	-L5.15
L6-15 TWIST	-L6.15
L5-20 TWIST	-L5.20
L6-20 TWIST	-L6.20
UK BS1363	-BS1363
INTL SCHUKO	-SCHUKO
PIGTAIL	-PIGTAIL
DEUTSCH	-DEU
SAE	-SAE

Beam Config	
25° SPOT	-SP
60° FLOOD	-FL

Housing Color	
BLACK	-BLK
BRONZE	-BRZ
WHITE	-WHT

Links (Click on the below items to view):

- **Dimensional Drawing 2D**(https://www.larsonelectronics.com/images/product/DimensionalDrawing/147899.PDF)
- **Operations Manual**(https://www.larsonelectronics.com/images/product/Manual/147899.PDF)
- **STEP File (3D CAD Model)**(https://www.larsonelectronics.com/images/product/Step/147899.ZIP)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/147899.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/147899.JPG)
- **HigResPic3**(https://www.larsonelectronics.com/images/product/HigResPic3/147899.JPG)
- **HigResPic4**(https://www.larsonelectronics.com/images/product/HigResPic4/147899.JPG)
- **HigResPic5**(https://www.larsonelectronics.com/images/product/HigResPic5/147899.JPG)
- **HigResPic6**(https://www.larsonelectronics.com/images/product/HigResPic6/147899.JPG)
- **HigResPic7**(https://www.larsonelectronics.com/images/product/HigResPic7/147899.JPG)
- **HigResPic8**(https://www.larsonelectronics.com/images/product/HigResPic8/147899.JPG)
- **HigResPic9**(https://www.larsonelectronics.com/images/product/HigResPic9/147899.JPG)
- **HigResPic10**(https://www.larsonelectronics.com/images/product/HigResPic10/147899.JPG)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)