

WCDE-LM25-4XWP60-ISTG-AT-TLR10

25' Mobile LED Light Tower - 10' Trailer - (4) LED Lights, 8 kW Tri-fuel Generator

Product ID: 311758



Image: WCDE-LM25-4XWP60-ISTG-AT-TLR10

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.

WCDE-LM25-4XWP60-ISTG-AT-TLR10 Trailer Mounted LED Mast

Fold Over Mast Specs

Tower Length: 13.5' to 25'

Stages: 5

Mast Head Length: 44"

Materials: Steel

Finish: Powder Coated - Gloss Blue

Operation: (2) 3,500 lbs Manual Winches, Electric Optional

Mast Cable: 3/16" Galvanized Aircraft Cable

Cable Sheath: Sealtight Coiled Tubing

Generator Specs

Dimensions: 27.6" x 28.2" x 26"

Weight: 207 lbs

Engine: 459CC

Fuel Type: Gasoline, Propane (LNG) or Natural Gas (LNG)

Gasoline Rated Power: 10,000W - Starting, 8,000W - Running

Propane Rated Power: 9,000W - Starting, 7,200W - Running

Natural Gas Rated Power: 8,750W - Starting, 7,000W - Running

Fuel Tank: N/A - Mounting Provisions for 20 lbs LPG/LNG Tank

LED Lamp Specs

Lamp Type: CREE LED

Quick Summary

13.5' to 25' Tower

Steel Construction

Powder Coated Finish

Removable Mast Head

125 mph Wind Resistance

Manual or Optional Electric Operation

(4) LED Lights

Tri-fuel Generator

Made in USA

Buy American Compliant

BAA Compliant

Lamp Qty: (4)
Total Watts: 240W
Single-lamp Watts: 60W
Total Lumens: 21,600 lms
Single-lamp Lumens: 5,400 lms
Luminous Efficacy: 90 lm/w
LED Life Expectancy: 50,000+ hours
Color Temp: 5600K
Color Rendering Index: 80
Beam Angle: 60° Vertical, 75° Horizontal
Lighting Configuration: Flood Beam
Glare Shield: Included
Lighting Coverage: 2500 sq. ft. Area
Operating Modes: Timer, Day/Night Sensor, Manual On
Ambient Temp Range: -25°C to +60°
Lamp Housing Material: Cast Aluminum
Lamp Lens Material: Polycarbonate

Trailer Specs

Materials: Steel
Trailer Dimensions: 10'L x 6"W (Trailer Bed) - 14'L (Tow Length)
Trailer Footprint: 14.65'L x 12.91"W
Wiring: 7-Pin Flat
Axle: 3,500lb
Suspension: 3,500 Lb 4-Leaf Double Eye Springs
Leveling Jacks: (4) 1,000 Manual Crank Leveling Jacks
Lights: LED Stop/Turn/Tail Lights
Wheels: (2) 15" 5x4.5 Steel Rims
Tires: ST205/75/D15 H188
Hitch: 2" Ball Coupler
Weight: +-1200 lbs
Shipping: Common Freight
Shipping Dimensions: 14'L x 10"W x 12"H
Shipping Weight: +-600 lbs
Options: Length- Mounting-Fixtures/ Call Us for Special Requirements

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com

Made in the USA

The Larson Electronics WCDE-LM25-4XWP60-ISTG-AT-TLR10 Portable LED Light Tower provides a safe and effective way for operators to illuminate locations from elevated positions between 13.5' to 25'. This assembly features a fold over, telescoping tower with a rotating boom that allows 360° rotation and a removable mast head for storage when not in use. Four LED lights provide illumination for a 2,500 sq.-ft. area. This unit features an 8 kW tri-fuel generator.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO LIGHT MASTS OR LIGHT TOWERS

The WCDE-LM25-4XWP60-ISTG-AT-TLR10 is a complete, portable lighting system for outdoor and remote locations. This unit consists of a 13.5'-25' mast, tri-fuel generator and four LED lights. All components are mounted on a single-axle trailer.

LED Light Fixtures: This light plant is equipped with four 60-watt wall pack lights from Larson Electronics. Each light assembly consists of six LEDs paired with high purity specular optics to produce a wide light distribution overpowering that of a 500 watt quartz flood lights. This light

is constructed of three angled boards that helps provide a wider spread. Instead of the light only shining forward, the center board is concentrated to go straight out while the boards on the side are 45° offset. This LED wall pack is designed to withstand demanding conditions and is waterproof, vapor proof, and built to resist the damaging effects of an outdoor environment.

The lights consists of six LEDs housed within a waterproof aluminum housing that is powder coated for added durability and resistance to corrosion. The housing incorporates integral cooling fins for efficient heat dissipation and increased LED longevity. The LED lamp assembly is protected by a shatterproof polycarbonate lens which is secured to the housing with a waterproof seal. A 1/2" waterproof connector provides a secure and sealed power connection point and rounds out this unit's weather resistant construction. An optional glare shield for dark sky compliance it shipped with this light, which can be removed on the field.

LED Technology: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation. 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 applied and emitting light. With LED lights, there is no warm up time or cool down time before re-striking and provide instant illumination when powered on, adding to the reliability of LED technology. By nature, LED light sources run significantly cooler than traditional lamps, reducing the chance of accidental burns and increased temperatures due to heat emissions. This solid state design of light emitting diodes provides a more reliable, stable, durable, and energy efficient light source over traditional lighting.

Lamp Control: Each lamp can be powered on individually, allowing operators to power one lamp or all four lamps at a single time to fit the required illumination requirements. An equipped dusk-to-dawn day/night sensor allows for automated operation of the light configuration set within the control center. Operators may also set a time/duration for light activation using the built-in auto timer feature.

Light Mast: This telescoping five stage steel light mast from Larson Electronics is designed to allow operators to quickly and safely deploy a variety of equipment in locations where it must be elevated to heights up to 25' for effective coverage. This light mast can be extended to 25' above the trailer floor for maximum area coverage, and collapsed to 13.5' for applications where a smaller footprint is required. The tower is constructed of square steel tubing with a base section 6.6' in length and 6" by 6" by 3/16" thick, lower section 6.78' in length and 5" by 5" by 3/16" thick, middle section 6.93' in length and 4" by 4" by 1/8" thick, upper section 7.08' in length and 3" by 3" by 1/8" thick, and top section 7.58' in length and 2" by 2" by 1/8" thick. Each section has a 1'+ overlap. The mast is extended to its full height using an included 1,000lb rated hand winch with 3/16" galvanized steel cable.

A 44" wide and 2" by 2" by 1/4" thick mounting plate is attached to the upper section of the mast which provides a strong and stable platform for equipment. A half-moon shaped mounting plate on the top of the mast head provides a secure mounting platform for the NEMA 3R 12" x 12" x 6" junction box, where operators can mount cameras, indicator lights and route electrical cabling. When elevated to its full upright position, the mast can be rotated a full 360°. By loosening the T-Handle, operators can rotate the mast in either direction. The mast can be positioned in one of four different positions, and locked back in place by re-tightening the T-

handle. The mast itself spins freely and can typically be rotated with a single hand. The LM series of towers are powder coated with glossy blue finish for corrosion resistance and aesthetics.

The LM family of telescoping towers feature a proprietary mast guidance system, which provide increased stability during high winds. Four 1,000 lbs hand crank leveling jacks are used for leveling. The jacks can be leveled by hand crank or attachment provided for power drills. These components can be extended 2' out from the side of the trailer for added stability. When lowered, the mast can withstand winds up to 125 mph. Custom builds can be provided for higher wind speed resistance when fully raised.

Generator: This light tower features an 8 kW tri-fuel generator, which runs on gasoline, propane or natural gas. Mounting provisions for a 20 lb. propane or natural gas tank is available.

Trailer Assembly: The entire assembly is mounted to a 10' (trailer length) x 10' (trailer bed) x 14' (tow length), single axle trailer via six 1/2" anchor bolts. Trailer length refers to the measurement from the hitch to the rear bumper. The trailer bed refers to deck space that holds system components and equipment (not including tires, hitch, bumper and external trailer components). This two-wheel trailer is equipped with 3,500 lbs axle and leaf springs with 15" trailer tires. A standard 2" ball coupling, two standard safety chains, and 7-pin flat trailer plug allow for easy hookup and towing. The trailer tongue can be folded up for seamless storage. A rugged and waterproof job box is included, safely secured to the trailer. Leveling jacks on the trailer allow operators to level the trailer, and provide stabilization during deployment. All trailer lighting complies with DOT/FMVSS regulations.

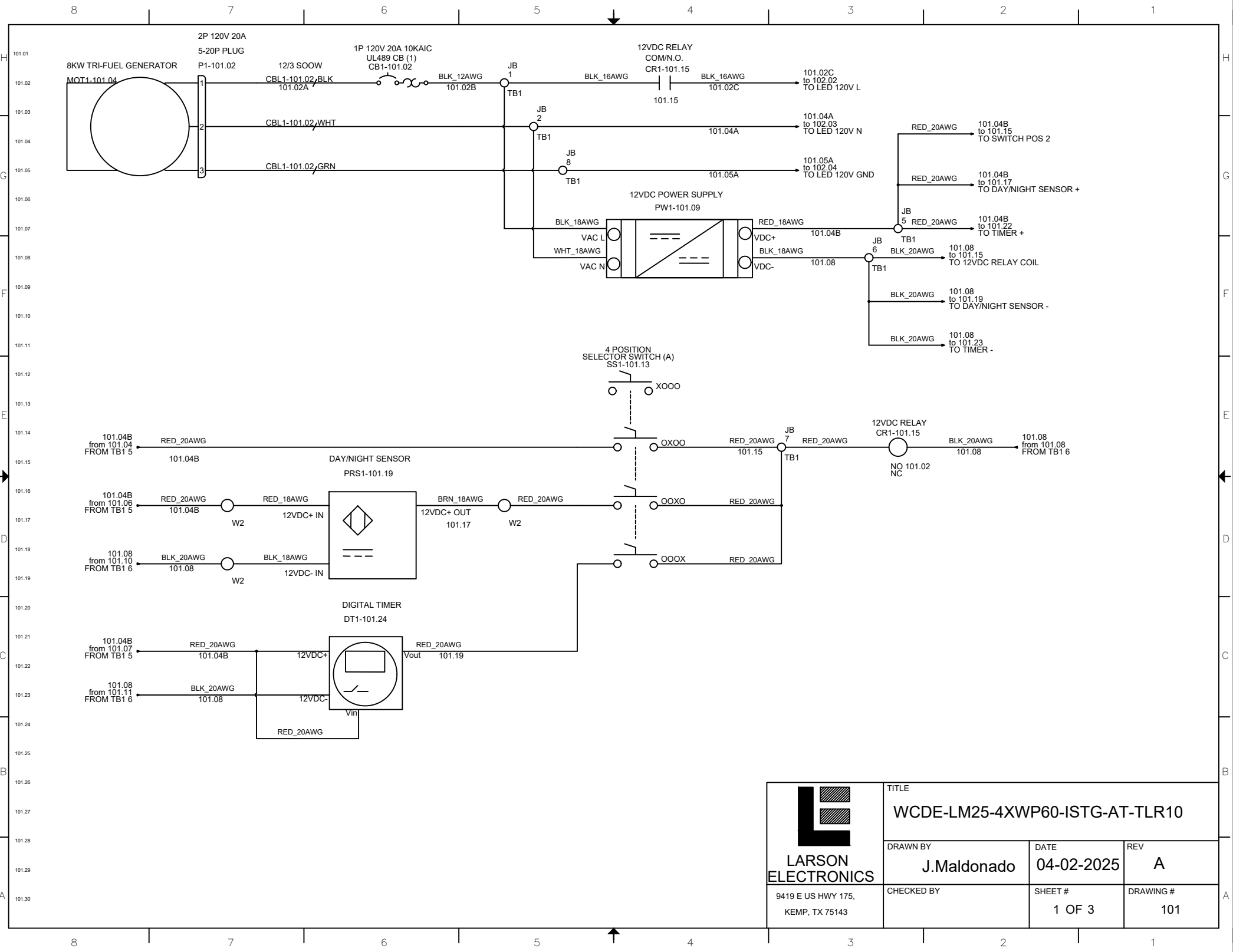
Outriggers vs Leveling Jacks: The system features manual-crank leveling jacks. Outriggers help expand the surface area for large equipment or loads. This differs from leveling jacks that are used to stabilize or level systems. Leveling jacks can be mounted to outrigger legs (or the side of the trailer).

Applications: Security, live events, law enforcement, military, commercial, industrial facilities, outdoor surveillance, remote locations and more.

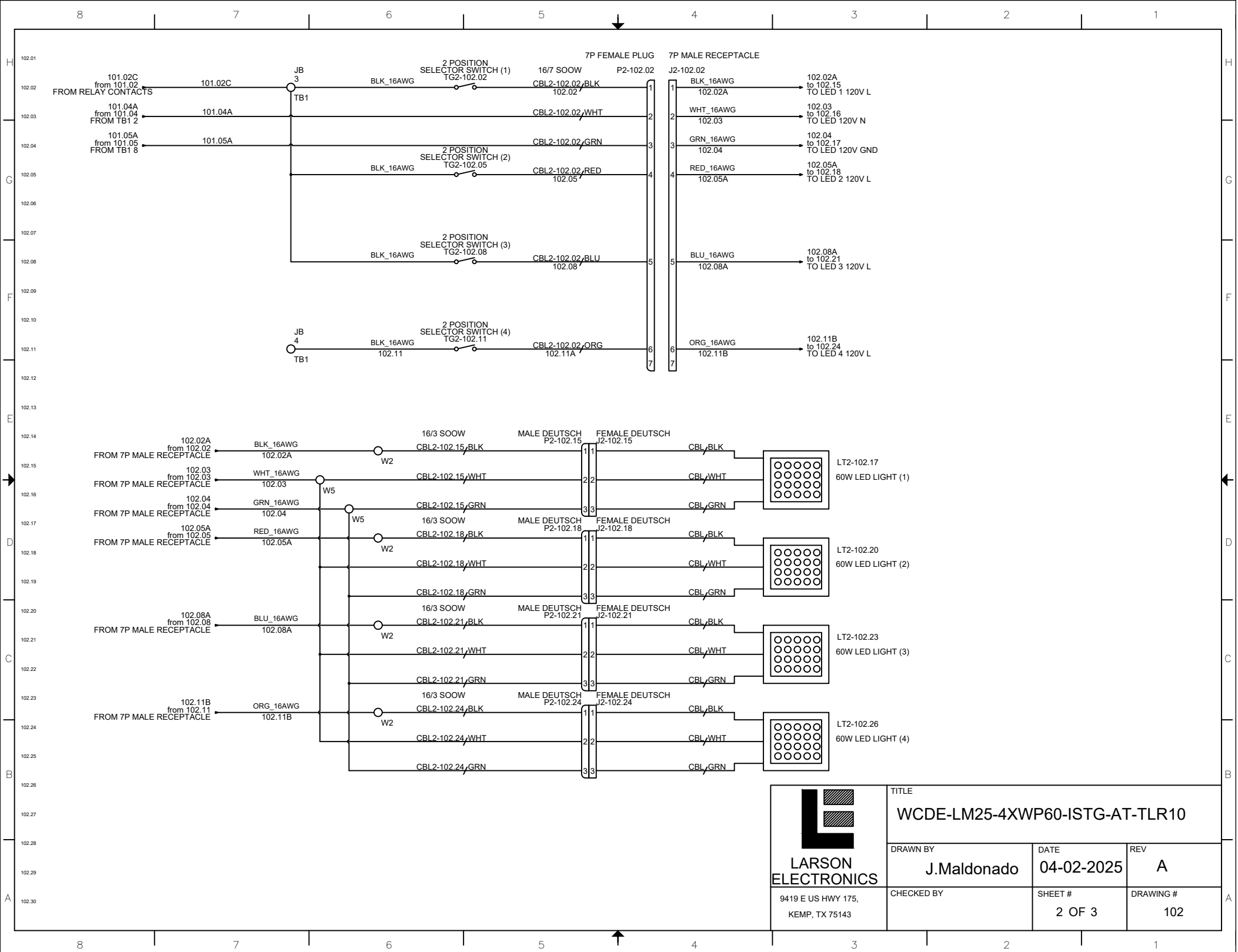
At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, 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.

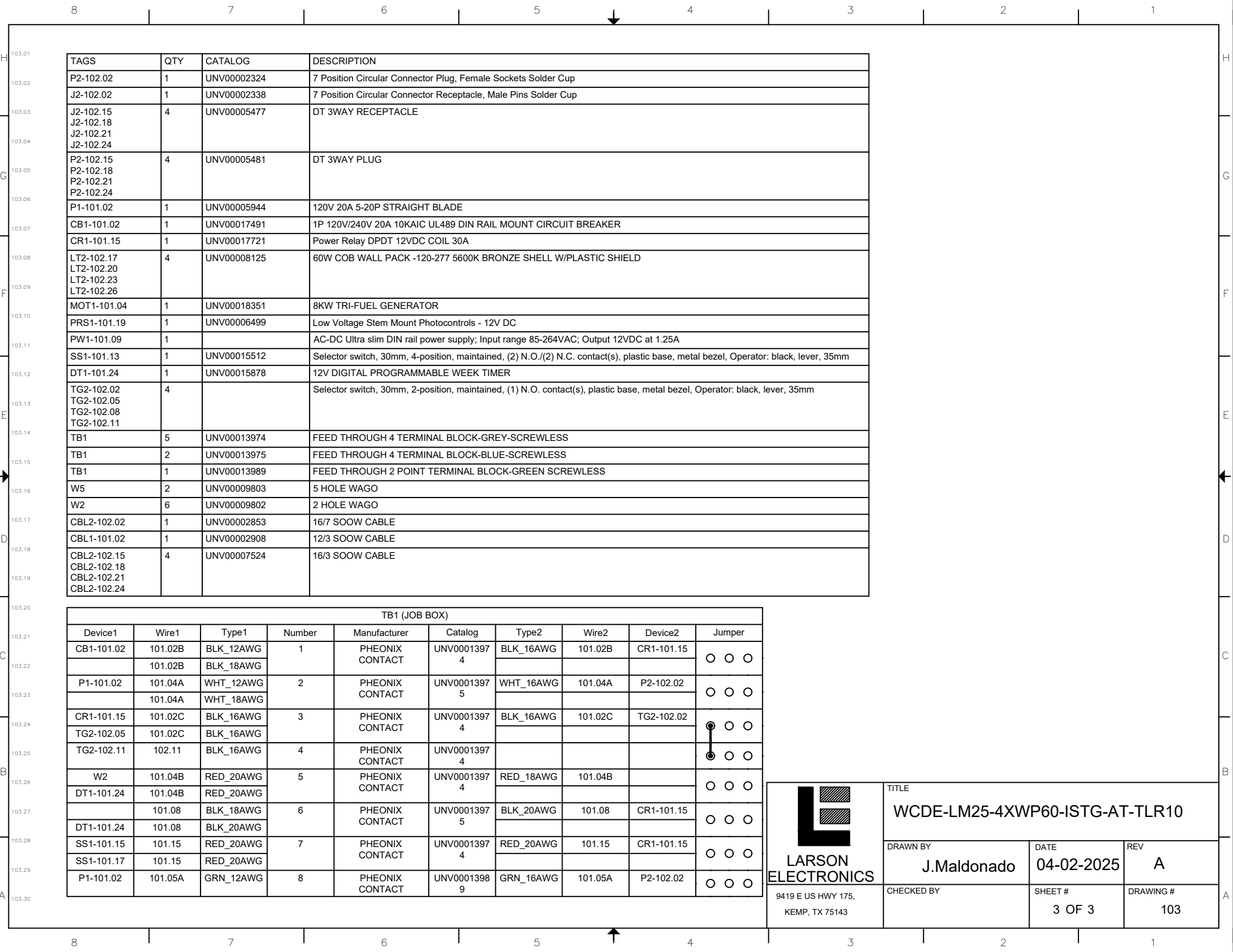
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 LARSON ELECTRONICS 9419 E US HWY 175, KEMP, TX 75143	TITLE WCDE-LM25-4XWP60-ISTG-AT-TLR10		
	DRAWN BY J.Maldonado	DATE 04-02-2025	REV A
	CHECKED BY	SHEET # 1 OF 3	DRAWING # 101







**LARSON
ELECTRONICS**

9419 E US HWY 175,
KEMP, TX 75143

TITLE WCDE-LM25-4XWP60-ISTG-AT-TLR10		
DRAWN BY J.Maldonado	DATE 04-02-2025	REV A
CHECKED BY	SHEET # 3 OF 3	DRAWING # 103



Frequently Asked Questions (FAQ)

There are no Faqs