

LED-PWM-6-24V

PWM Controller - Pulse Width Modulator - Buck & Boost - Dims LED lights - 135Hz - 24V

Product ID: 224387

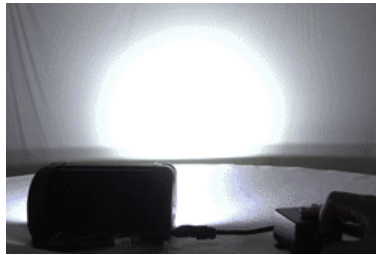


Image: LED-PWM-6-24V

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.

This Pulse Width Modulator Controller is designed to dim any LED lights up to 72 watts. Basically, this is a voltage regulator for LED lights drawing 12 amps or less. PWM controllers are CPU controlled, digital alternatives to resistance based rheostats. This PWM controller has a rotating switch that enables the operator to control the brightness of the LED light. Thus, many operators will use this as a "dimmer" switch.

This PWM can also be used to dim our halogen lights, including the HL-85 and HUL-18. Dimming halogen lights with a PWM is more efficient than using a standard rheostats. Rheostats create resistance, but always draw the same amount of amps. Thus, operators using halogen lights while dimming with a rheostat will draw down their battery capacity at the same rate as if they were running the light at full power. By using a PWM, the light will only draw the amps necessary to produce the dimmed output. If an operator were running the light at half brightness, then they would double their battery life.



[Click Photo to Enlarge](#)

This PWM is designed to work inline with any of the Larson Electronics LED lights up to 72 watts that draw 12 amps or less. It operates on 24V and produces 135Hz. It is equipped with male and female 2 pin Deutsch connectors so that it can be used inline with any Larson Electronics harness and/or cord solution.

This PWM can be used as a handheld or it can be surface mounted. Mounting ears extend from the unit to enable operators to surface mount the unit.

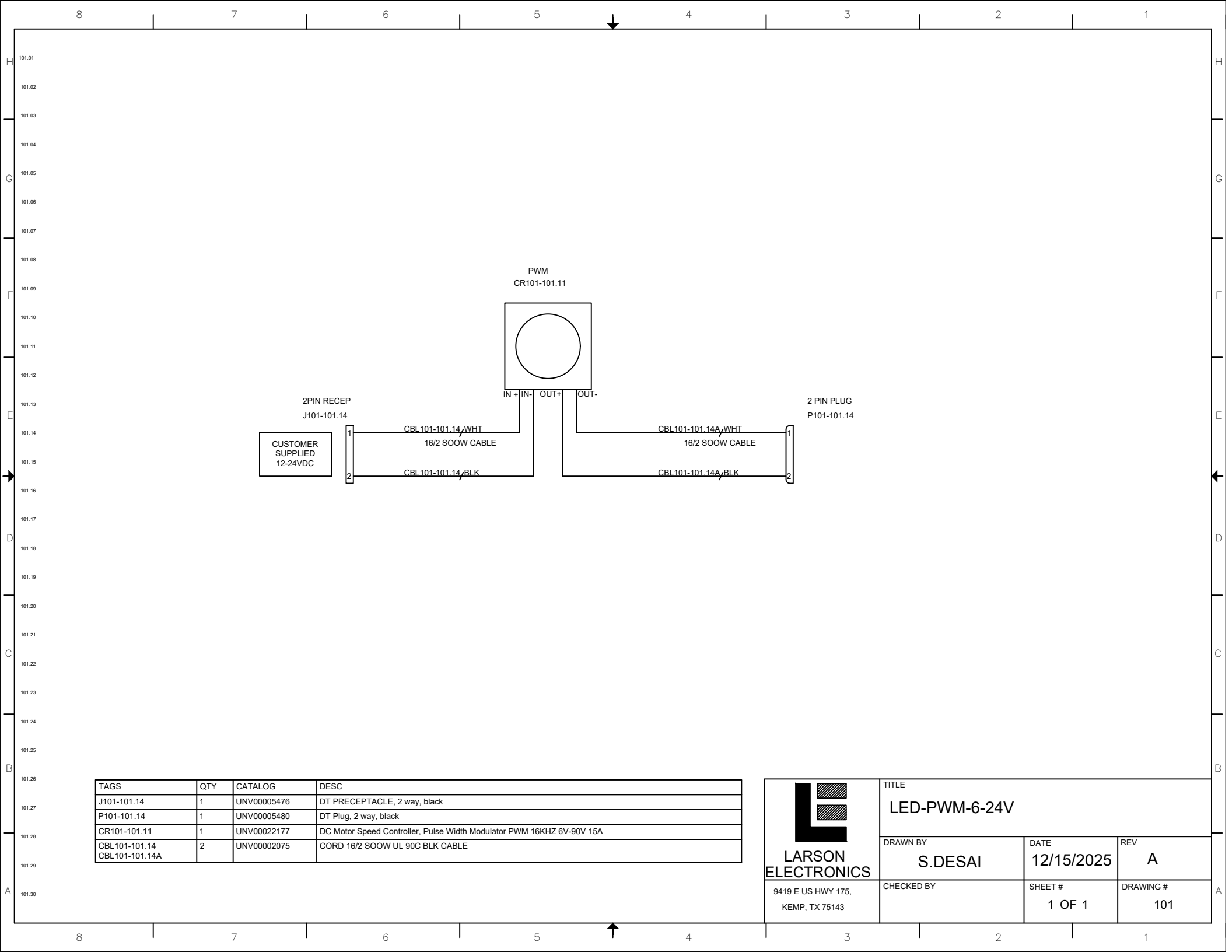
A dial extending from the side of the PWM enables operators to control the brightness of the attached LED light.

NOTE: This dimmer switch will work with 24 volt lights ONLY and will not be effective on any of our 12 volt lights.

REV	DESCRIPTION	DATE
A	PRODUCTION RELEASE	12/15/2025

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TAGS	QTY	CATALOG	DESC
J101-101.14	1	UNV00005476	DT PRECEPTACLE, 2 way, black
P101-101.14	1	UNV00005480	DT Plug, 2 way, black
CR101-101.11	1	UNV00022177	DC Motor Speed Controller, Pulse Width Modulator PWM 16KHZ 6V-90V 15A
CBL101-101.14 CBL101-101.14A	2	UNV00002075	CORD 16/2 SOOW UL 90C BLK CABLE



LARSON
ELECTRONICS

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KEMP, TX 75143

TITLE
LED-PWM-6-24V

DRAWN BY
S.DESAI

CHECKED BY

DATE
12/15/2025

SHEET #
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REV
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Frequently Asked Questions (FAQ)

There are no Faqs