

Integrated LED Power Supply for Rail Lights



AI Overview

Integrated LED power supplies for rail lights provide efficient, reliable, and dimmable power solutions specifically designed for track and rail lighting systems.

Overview

Integrated LED power supplies, also known as LED drivers, are essential for converting AC mains power to the appropriate DC voltage and current required by LED rail lights. These power supplies are designed to ensure high efficiency, low total harmonic distortion (THD), thermal management, and compliance with safety standards such as UL, EN, and IEC . They are often programmable to set voltage, current limits, and dimming options, making them suitable for both new installations and retrofits in rail environments .

Key Features

- **Constant Voltage or Current Output:** Many rail LED drivers provide a 48V constant voltage output, ideal for powering multiple LED modules along a track or rail system .
- **Dimming Compatibility:** Integrated drivers support DALI-2, 0-10V, and wireless dimming, allowing smooth brightness control for commercial, retail, and architectural rail lighting .
- **Compact and Slim Design:** Modern track LED drivers are ultra-slim, enabling easy integration into rail-mounted or magnetic track systems without compromising aesthetics or space

Article Content

Mar 20, 2026

ASD Rail Lighting – ASD Lighting PLC

We offer the perfect luminaire for all your railway lighting needs, tailored to suit every rail application.

May 09, 2026

DIN Rail LED Drivers Power Supplies – Mouser

DIN Rail LED Drivers Power Supplies are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for DIN Rail

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LED“LIGHTING FOR RAILWAY

TSL-ESCHA has developed the perfect solution for LED ceiling lighting for rail vehicles with the new linear light series LL. With the

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Rail Power Technology | USA | Trilogy Rail Products

Our industrial rail battery chargers, battery management systems and other rail power supply technology has been installed,

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STAS Multirail Picture Hanging System with Track LED Lighting

STAS multirail is a patented hanging system equipped with integrated power supply wires. Lighting

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Locomotive LED Bulbs | Meets or Exceeds OEM

Head Lamp LED SLS-32VAC-3W Light 32 Volt AC Acorn LED SLS37.5-LED Lamp 30 Volts Watt 37 SLS75V200WPAR56-SP Head

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ams OSRAM is a global leader in innovative light and sensor solutions ...

We offer a distinct product and technology portfolio for sensing, illumination and visualization from high-performance LEDs and lasers

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LED Driver Power Supply Solution

At the moment, MEAN WELL is able to provide one model of mini size LED driver with a maximum 50W

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LED-Driver DIN-Rail

These power supplies are specially designed for the power supply of modern LED luminaires and LED lamps, which must be

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Amazon Best Sellers: The most popular items in Track, Rail

Amazon Best Sellers: The most popular items in Track, Rail & Cable Lighting Systems
Shine Plus LED Corner Profile 2 m x 30

Oct 30, 2025

LED Lighting Power Distribution Board 3 or 12VDC For

This distribution board can be used to power up to 28 LED lights in any scale

Jul 15, 2026

LED power supplies for LED systems up to 600W

Power supply buying guide - Find the right and best power supply for your LED system In the following table we explain what is

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Power Supplies with integrated display

Our highly efficient 240 W and 480 W DIN rail power supplies with integrated power supply condition display (PSCD) enable faster

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LED Lighting

Belvoir Rail is a leading supplier of high-performance LED lighting solutions for rail vehicles and train stations across the UK.

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LED-driver GLP POS-DIN 15W12, 12 VDC, 15 Watt,

Constant-voltage power supply for LED lighting technology with integrated protection against short circuit,

Sep 19, 2025

LED“LIGHTING FOR RAILWAY

Versatile lighting solutions for new vehicles and modernization of rolling stock. MAFELEC and TSL-ESCHA together offer a large

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POWER SUPPLY FOR LIGHT-RAIL AND RAPID TRANSIT

The long years of development in light-rail transit (LRT) and rapid transit systems have led to definite and proven system parameters.

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Dimmable LED Power Supplies

Magnitude UL Listed Dimmable Power Supplies UL Listed 20-Watt, 40W, 60W, 75W & 96W Dimmable LED drivers/power-supplies

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Commercial/Industrial Lighting

Commercial/Industrial Lighting Power Integrations offers a broad range of LED driver ICs for commercial office and hospitality

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LED Power Supplies | Cence Power

Without a suitable power supply, LED lights may not perform optimally, or worse, they could be damaged. Damaged lighting results

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Railway lighting without light pollution with RailLight®

RailLight® is a new and innovative way of illuminating the paths of marshalling yards. No light pollution, easy to install and maintain

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LED Bulbs – Are They Worth the Investment?

In addition to the durability and longevity of LED bulbs, the added technology that is

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Evaluation on LED lighting driving power supply for urban rail vehicles ...

In order to improve the efficiency and stability of the LED lighting system, a method for evaluating the LED lighting drive power supply

Nov 01, 2025

DIN Rail LED Drivers Power Supplies – Mouser

Mouser offers inventory, pricing, & datasheets for DIN Rail LED Drivers Power Supplies.

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Power LED Lights + Injection. Complete Walkthrough

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Rail LED Lighting | Train LED Lights | LPA Group

LPA Lighting Systems offers a comprehensive range of rail vehicle LED lighting solutions, including high-performance LED tubes and

Contact Us

For more information, pricing, or custom solutions, please contact us:

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