

LED light module



AI Overview

LED light modules are compact, energy-efficient lighting units designed for versatile applications, including signage, decorative lighting, and general illumination. Overview An LED light module is a small, self-contained unit that houses one or more LED chips, often mounted on a PCB with integrated circuitry for power management. These modules are designed to provide bright, uniform light while consuming minimal energy and generating little heat. They are durable, long-lasting, and resistant to shocks, making them suitable for both indoor and outdoor use. Types and Configurations Single LED Modules: Contain one LED chip, typically 1.2–1.5 W, available in 12V, 24V, or 220V configurations. Ideal for small-scale decorative or accent lighting. Multi-LED Modules: Include 3 or more LED chips, often producing higher brightness (e.g., 100 lumens per LED) and wider light angles (up to 160°), suitable for signage, backlighting, or architectural lighting. Linear, Square, and Round Modules: Available in various shapes and sizes to fit specific luminaire designs, including PrevaLED and BASIC series for commercial and industrial applications. Waterproof and Outdoor Modules: Encased with protective coatings or 3M thermal tape to resist water, dust, and humidity, making them safe for exterior installations. Applications LED modules are widely used in: Signage and Advertising: Illuminating letters, logos, and display boards. Decorative Lighting: Ceiling, wall, and furniture accent lighting. Automotive and Vehicle Lighting: Interior and exterior lighting for cars and trucks. Commercial and Industrial Spaces: Offices, warehouses, retail stores, and parking garages. Portable Lighting: Desk lamps, flashlights, and night lights. Advantages Energy Efficiency: Consume significantly less power than traditional incandescent or fluorescent bulbs. Long Lifespan: Can operate for tens of thousands of hours without significant degradation. Low Heat Emission: Reduces risk of overheating and fire hazards. Versatility: Available in multiple colors (white, red, blu...

Article Content

Sync Module Troubleshooting

If your Sync Module is offline or if you encounter any issues during setup, begin by verifying the LED patterns on the device. Then, proceed with the troub

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Littelfuse LSP10277S LED Lighting Surge Protection Module, LSP

Littelfuse LSP10 Surge Protection Modules provide transient overvoltage protection for outdoor and commercial LED lighting fixtures. Constructed with Littelfuse thermally protected Varistors, they

Eaton Crouse-Hinds ELLK-4-C Explosion Proof LED Light Module

PicClick Insights - Eaton Crouse-Hinds ELLK-4-C Explosion Proof LED Light Module 2x28W IECEx ATEX PicClick Exclusive Popularity - 1 watcher, 0.0 new watchers per day, 26 days for sale on eBay.

Light Emitting Diode: How LEDs Work, How to Use LEDs

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LED Lighting Modules - Mouser

Mouser offers inventory, pricing, & datasheets for LED Lighting Modules.

LED Lighting frame 3 modules

A led that can be added to the frame to create an elegant light in the ambient, and to provide discreet guide lighting to improve living in the spaces. An optional LED located behind the supporting-frame

LED modules

LED modules are small, compact light sources that can be used in a wide range of lighting applications. They consist of an LED chip, a substrate, a power supply system and a housing that protects the

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LED Module for Right Cornering Light, URO

This is BMW parts item 63117352478 (63-11-7-352-478), described as URO-020476 LED module for Right Cornering Light on 2014-2016 F10 5-Series models with adaptive lighting, that you can buy at

LED Module | LED Leuchten/Lampen | led-profi von mec-light

RGBW LED Module mit 4-CHIP Technik in der Kette Hochwertigen RGBW LED Modul das mit der neuesten LED 4-Chip Technik ausgestattet ist. Durch die 4-Chip LEDs sieht man kaum Lichtverläufe

LED-Leuchtmodule – Mouser Deutschland

LED-Leuchtmodule sind bei Mouser Electronics erhältlich. Mouser bietet Lagerbestände, Stückpreise und Datenblätter für LED-Leuchtmodule.

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