

Light Cube Functional Module



Article Overview

A Light Cube Functional Module is a modular lighting component designed to provide controlled illumination for specific applications, ranging from scientific imaging to forensic analysis and smart lighting systems.

Overview

Light cube modules are compact, self-contained units that emit light at specific wavelengths or colors. They are designed to be modular and interchangeable, allowing users to customize lighting setups for various purposes. Depending on the application, these modules can be used in microscopy, forensic investigation, DIY electronics, or architectural lighting.

Types and Applications

1. Scientific and Fluorescence Light Cubes

- Used in microscopy systems like the EVOS Light Cube Starter Kit.
 - Modules are optimized for specific fluorophores, such as DAPI (excitation 357 nm, emission 447 nm) or GFP (excitation 482 nm, emission 524 nm) for imaging biological samples .
 - Features include high-intensity LED illumination, hard-coated filters for improved light transmission, and compatibility with older systems.
 - Functional modules are user-changeable and automatically recognized by the instrument, enhancing flexibility in imaging experiments.
- #### 2. Forensic LIGHTcube Modules...

Article Content

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LightCube

The voice recognition module sends the voice recognition result to the STM32 via UART serial port as a control command for

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LIGHTcube Modular Forensic Light Source

Every module has a particular colour of light precisely filtered and optimised for visible and fluorescent evidence detection. Each light

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Fulham: Lighting Solutions | LED Drivers | Ballasts

Fulham is a global leader in cost-efficient lighting solutions, including LED, Emergency, Fluorescent, and

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Illuminate Your Imagination: Light Cube Kits for Captivating DIY

Elevate your crafting with our Light Cube Kits – assemble mesmerizing LED cubes and unleash your creativity. Customizable and

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User Manual

4.1 Overview and assemblies An Arcturus or Vega light source can be controlled via the Lightcube-Controller. The Lightcube

Dec 24, 2025

Yeelight Cube Smart Lamp | LED Cube Light | Cube Light

Our Yeelight cube lights can be freely assembled into 3 different types of cube lights.
The LED cube lights

Jan 22, 2026

2025-04 LightCube Product Sheet

Class-A Space, Power, and Connectivity on the Edge. Modular, Scalable, and Turnkey.
LightCube is a re-imagined, modern

Sep 14, 2025

LightCube

In this paper, a 3D dynamic display system based on voice control is presented,
which solves the existing

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Yeelight Cube Smart Lamp

This is an additional module for the CUBE system, which needs one of the basic
modules (sold separately), as it provides a

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LIGHTcube

LIGHTcube by Attestor Forensics is a modular light system with
individually

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LIGHTcube

LIGHTcube by Attestor Forensics is a modular light system with individually
combinable and scalable modules. Each module

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LightCube

Personalized Automated testing of Lighting ECUs. The System allows the emulation of
Headlamps (also with matrix capabilities) as

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3D Light Cube 4x4x4 RGB LED Electronic Soldering Kit

The ICStation 4x4x4 RGB LED Light Cube kit is a cool soldering project. Build your
own light cube, it can

Jun 19, 2026

LIGHTcube Series

LIGHTcubes are scalable by clicking multiple modules of the same light colour together (left picture) for more light output or

Jun 23, 2026

EVOS™ Light Cube, GFP 2.0 1 each | Buy Online

Each light cube contains a precisely matched set of optical components to optimize the position, evenness,

Nov 12, 2025

LIGHTcube Series

practical modular forensic light source for laboratory and crime scene use Our LIGHTcube series brings you the high quality intense

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Yeelight Cube Smart Lamp

Yeelight Cube Smart Lamp - Light Gaming Cube Spot is an innovative and versatile smart lighting solution specifically designed for

Nov 11, 2025

LightCube | Lightpath

While Lightpath uses LightCubes for critical network functions, they were designed to meet the demanding requirements of customer

Aug 04, 2025

4 Inch RGB LED Cube Lamp for Kids, 16 Color Changing Tesseract

About this item Colorful LED Cube Lamp: This cube night light with 16 RGB colors, the LED light cube match your mood, activity, and

Mar 03, 2026

LIGHTcube Modular Forensic Light Source

The new modular forensic light source for the laboratory and the crime scene LIGHTcube forensic light sources are modular, DNA

Aug 10, 2025

Yeelight Cube: Modular, Customizable RGB Table Lamps

The Yeelight Cube is a modular smart lighting solution that adds flair and fun lighting effects to any room or desk

Sep 19, 2025

Luxor CUBE

With the Luxor CUBE, the Luxor controller can now zone and dim other brands of low voltage and line voltage light fixtures. In

Jun 22, 2026

Amazon : Fun and Function LimeLite™ LED Cube Sensory Room

Fun and Function LimeLite™ LED Cube Sensory Room Décor Light Therapy Lamp
Changing Colors Soothe & Help

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PrismCube — a Weather Reactive Ambient Light Cube A minimalist IoT weather display that recreates the feeling of the

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Lume Cube 2.0 App Controlled Waterproof LED Light

Shop the official Lume Cube 2.0. A compact, waterproof LED light built for rugged use. This mini-COB light

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LimeLite™ LED Cube | Light Up LED Cubes for Sensory Therapy Rooms

Use our LED Cube to set a calming mood in your sensory room, therapy room or child's bedroom. Call 1-800-231-6329 now to order!

Contact Us

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