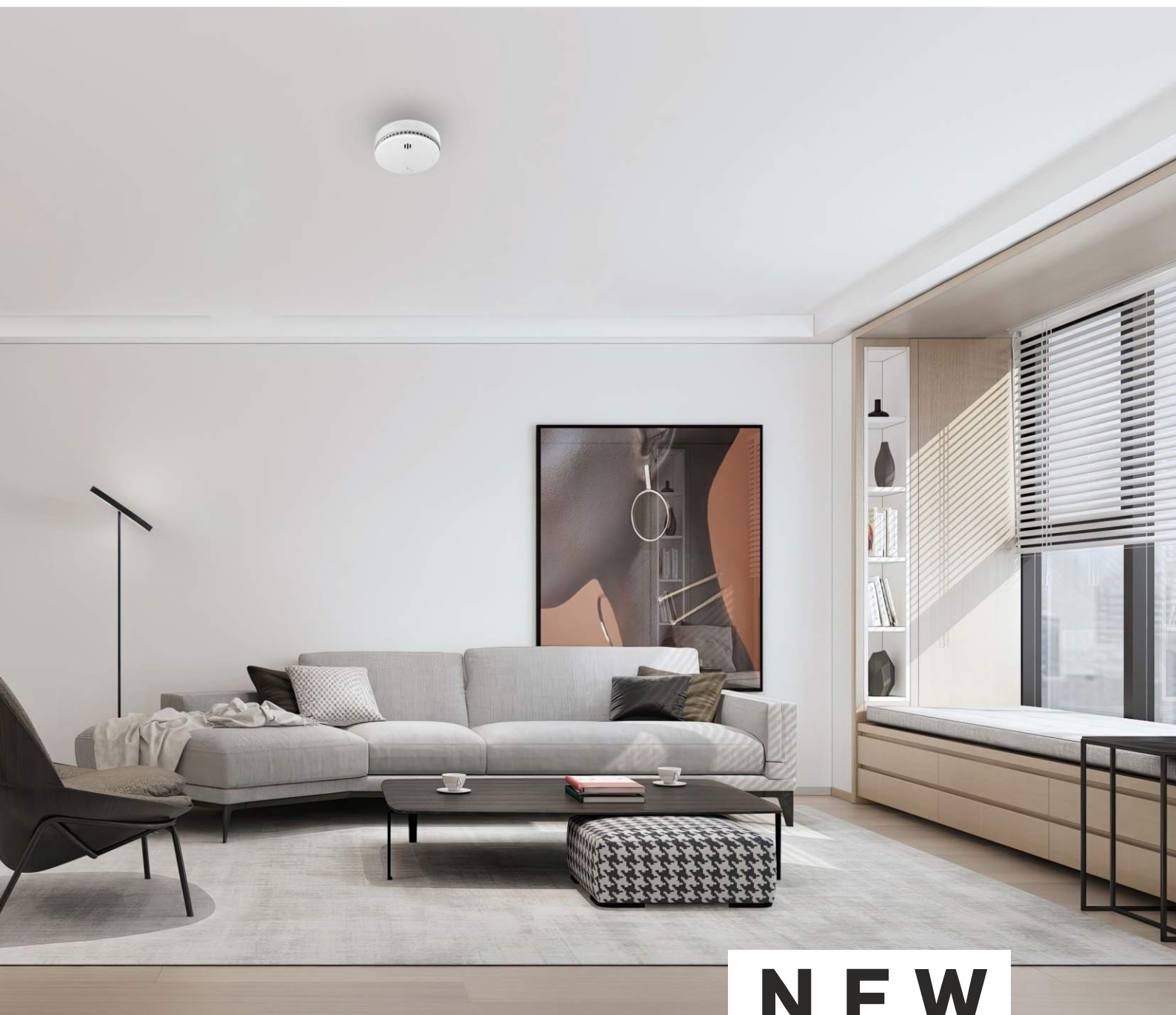




for a safer world!



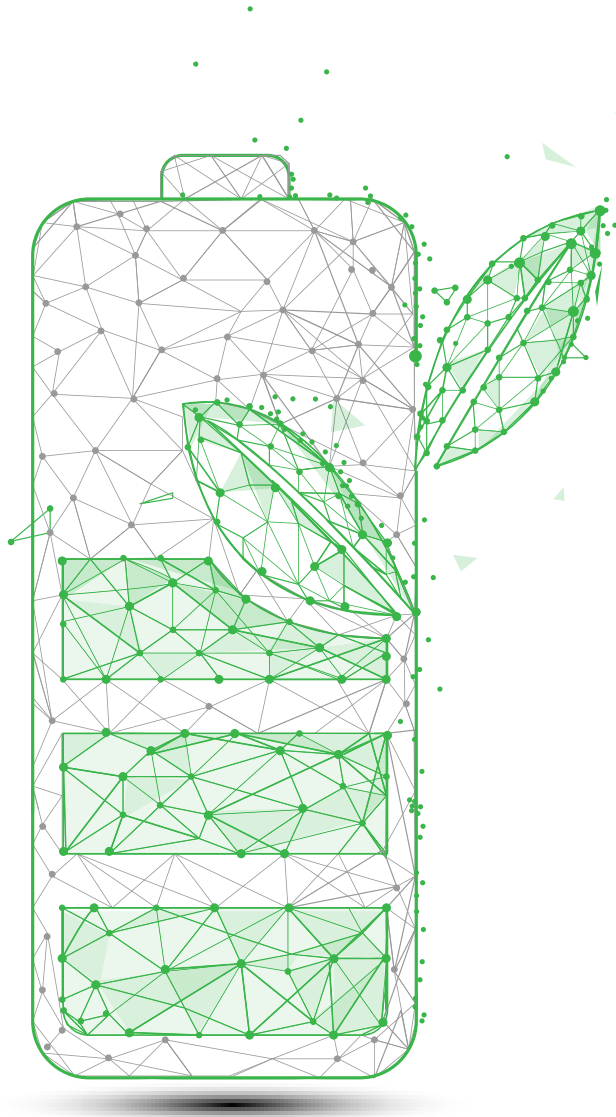
NEW
PRODUCTS



www.olympia-electronics.com

LiFePO₄ BATTERY

Lithium iron phosphate battery



The lithium iron phosphate battery (LiFePO₄ battery) or LFP battery (lithium ferrophosphate) is a type of lithium-ion battery using lithium iron phosphate (LiFePO₄) as the cathode material, and a graphitic carbon electrode with a metallic backing as the anode. Because of their lower cost, high safety, low toxicity, long cycle life and other factors, LFP batteries are finding a number of roles in vehicle use, utility-scale stationary applications, and backup power.

The energy density of an LFP battery is lower than that of other common lithium ion battery types such as nickel manganese cobalt (NMC) and nickel cobalt aluminum (NCA), and also has a lower operating voltage; CATL's LFP batteries are currently at 125 watt hours (Wh) per kg, up to possibly 160 Wh/kg with improved packing technology, while BYD's LFP batteries are at 150 Wh/kg, compared to over 300 Wh/kg for the highest NMC batteries. Notably, the energy density of Panasonic's "2170" NCA batteries used in 2020 in Tesla's Model 3 is around 260 Wh/kg, which is 70% of its "pure chemicals" value.

Specifications

Cell voltage:

- Minimum discharge voltage = 2.0-2.8V
- Working voltage = 3.0 ~ 3.3V
- Maximum charge voltage = 3.60-3.65V
- Volumetric energy density = 220 Wh/L (790 kJ/L)
- Gravimetric energy density > 90 Wh/kg (> 320 J/g). Up to 160 Wh/kg (580 J/g)
- Cycle life from 2,700 to more than 10,000 cycles depending on conditions

Comparison with other battery types

- ☒ Resource availability
- ☒ Cost
- ☒ Better aging and cycle-life characteristics
- ☒ Viable alternative to lead-acid batteries
- ☒ Safety
- ☒ Lower energy density

Source: https://en.wikipedia.org/wiki/Lithium_iron_phosphate_battery



Why LiFePO4?

LiFePO₄ (Lithium Iron Phosphate) technology offers clear advantages in critical safety applications. It is characterized by stable performance, extended battery lifespan of up to 10 years, and high resistance to charge-discharge cycles, while at the same time contributing to a lower environmental footprint compared to conventional battery technologies.

With this choice, Olympia Electronics adopts a more modern and reliable emergency lighting model, fully aligned with current market needs and regulatory requirements.

Enhanced performance, without compromise

The transition to LiFePO₄ technology delivers:

- improved emergency autonomy,
- extended battery lifetime,
- high energy efficiency,
- increased reliability in emergency conditions.

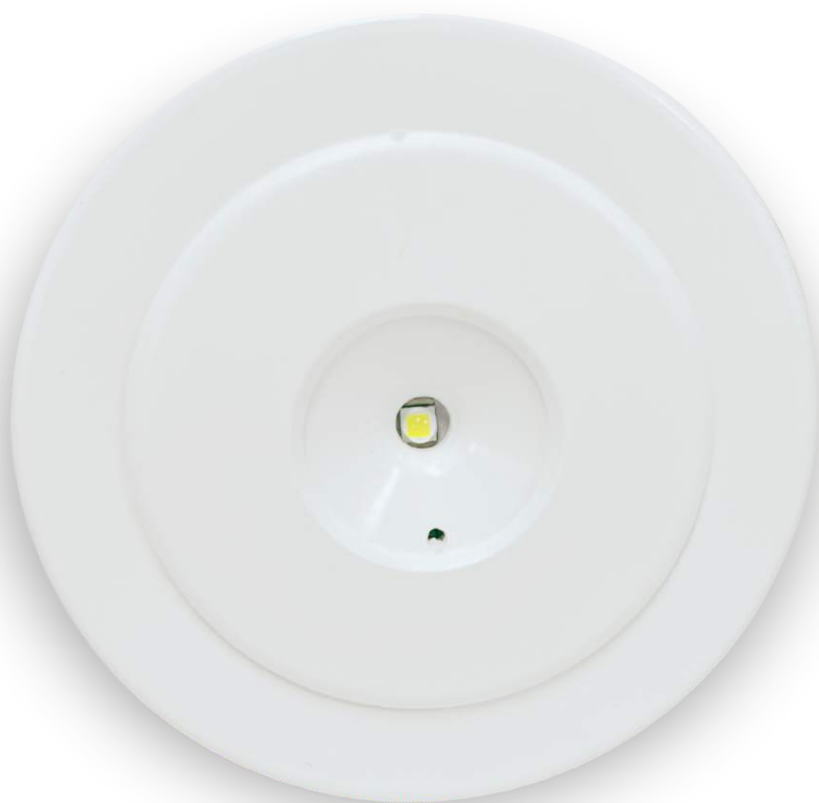
All of the above significantly enhance installation safety while reducing overall maintenance costs in the long term.

A greener and more reliable safety choice

With this new generation of emergency lighting products, Olympia Electronics reaffirms its commitment to solutions that combine advanced technology, reliability, and sustainability, setting new standards in the field of safety.



SPOTLIGHT



KIT-77/84/LF/ST

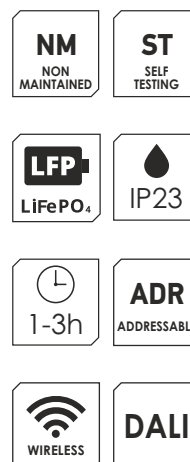
New spot light – emergency luminaire With premium lighting performance

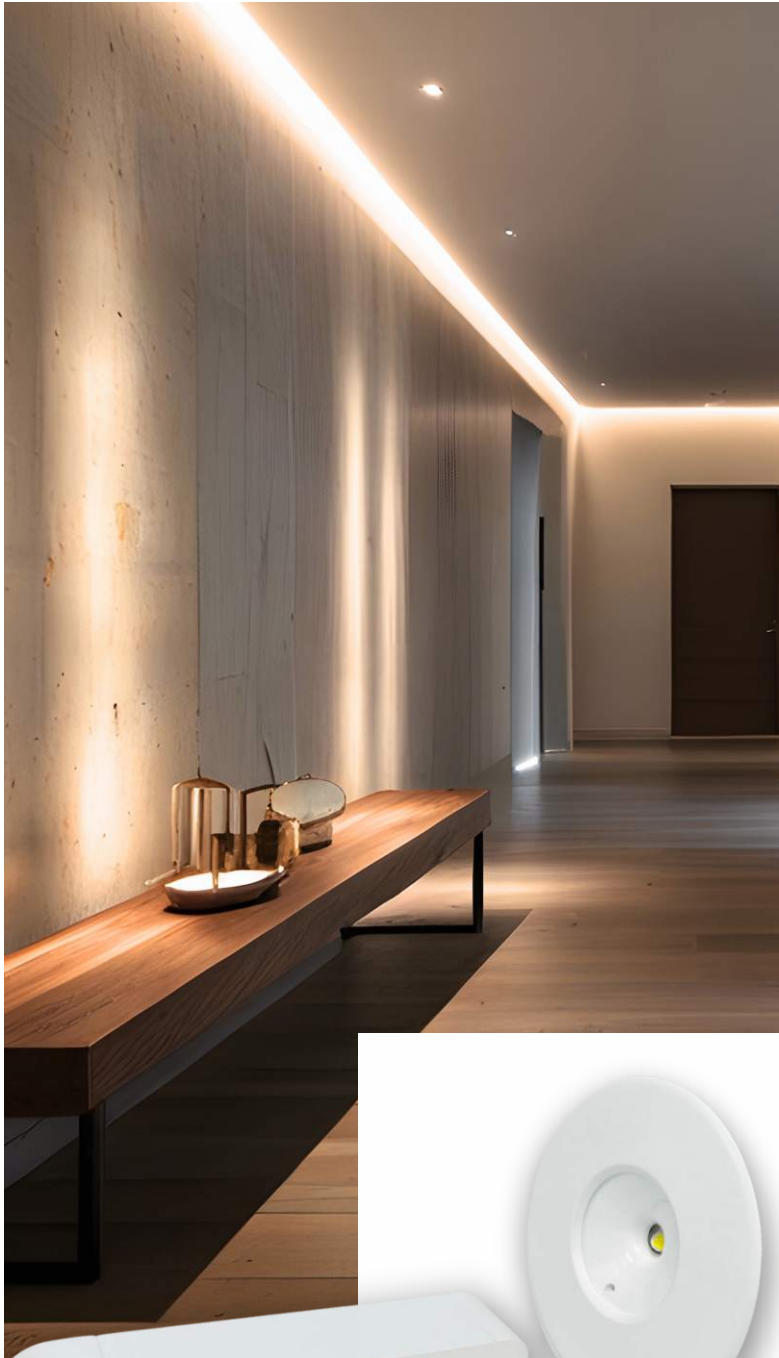
With an output of 330 lumens and advanced LED technology, this new spot fixture delivers instant and reliable illumination even in the most demanding conditions.

Thanks to the built-in automatic self-testing function, the unit runs a full check of its battery and light source every 15 days. These automated tests significantly reduce maintenance demands and ensure consistent, long-term performance. Its clean, understated design blends seamlessly into any interior.

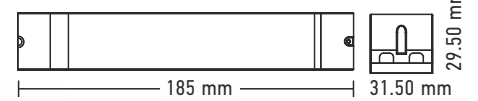
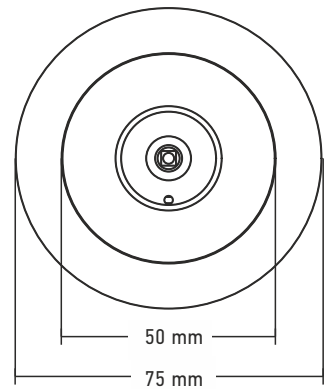
Ideal for installation in suspended ceilings, it integrates effortlessly with the addressable emergency-lighting control panel of Olympia Electronics offering a complete, managed lighting solution.

With selectable autonomy of up to 3 hours, this new spot combines technological innovation, reliability and functional design — making it the ideal choice for any project.





Ceiling mounting





LINEAR 30
LINEAR 60
LINEAR 90



New linear emergency lighting — modern aesthetic with top-performance output

Linear Series – Linear Emergency Lighting

The new linear luminaire from Olympia Electronics delivers a sleek design, reliability and luminous output of up to 2000 lm.

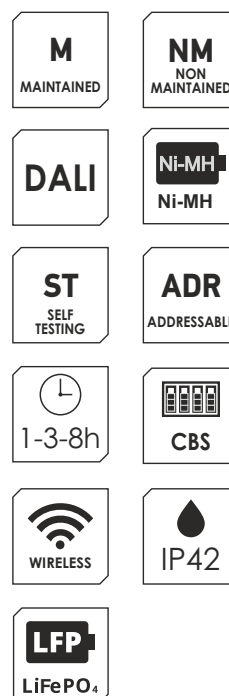
Available in three models — Linear 30, Linear 60 and Linear 90 — to suit different spaces and applications.

Installation is easy and flexible, whether on the wall or ceiling.

Key Features:

- Version with built-in battery, with periodic operational check for safe and dependable performance.
- Version compatible with central battery systems (CBS), ideal for larger installations.

Built for long-term durability and smart features, it provides steady illumination and guidance when needed — ensuring safety in your space.

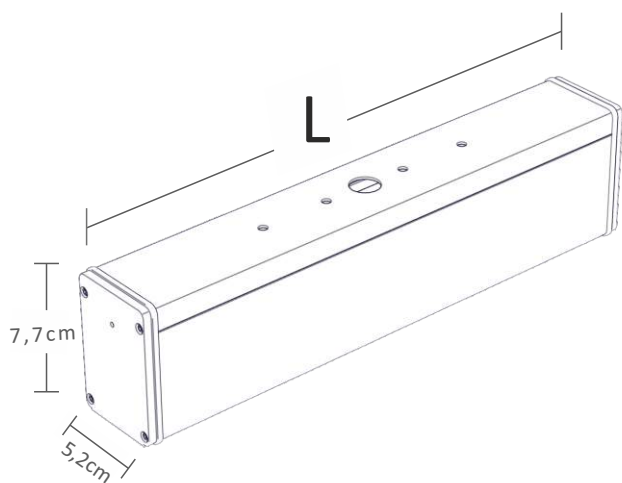


LINEAR SERIES



LINEAR30 31,2cm
LINEAR60 61,2cm
LINEAR90 91,2cm

L



LINEAR 30



Ceiling hanging installation
with cable



Wall mounting



Ceiling mounting



Ceiling mounting



Wall mounting

LINEAR 60 LINEAR 90



Hanging installation



Wall mounting



Ceiling mounting

DYNAMICSERIES



A Reliable solution for large buildings, shopping malls, airports & public Spaces

The Dynamic LED Panel is available in two versions: Standard and Hybrid. The Standard version operates purely as a signage fixture, offering up to 16 different signs (static or animated).

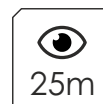
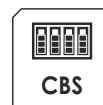
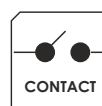
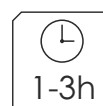
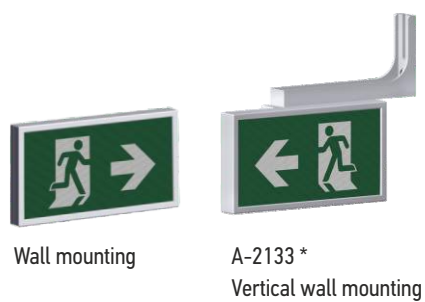
You can easily switch between them via DIP switches on the board. The Hybrid version includes additional downward-directed lenses, allowing it to serve as emergency corridor lighting, open-space lighting, or illumination for points of interest such as fire extinguishers.

Designed for safety, reliability, and flexibility, Dynamic LED Panels deliver consistent signage and lighting exactly where it's needed.

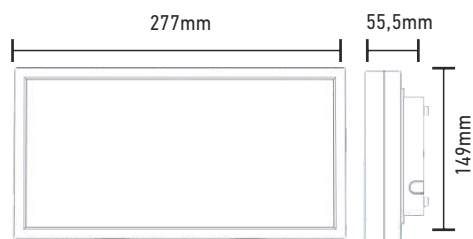


*
The Dynamic LED safety luminaires is preprogrammed with a set of 16 symbols and signage options.

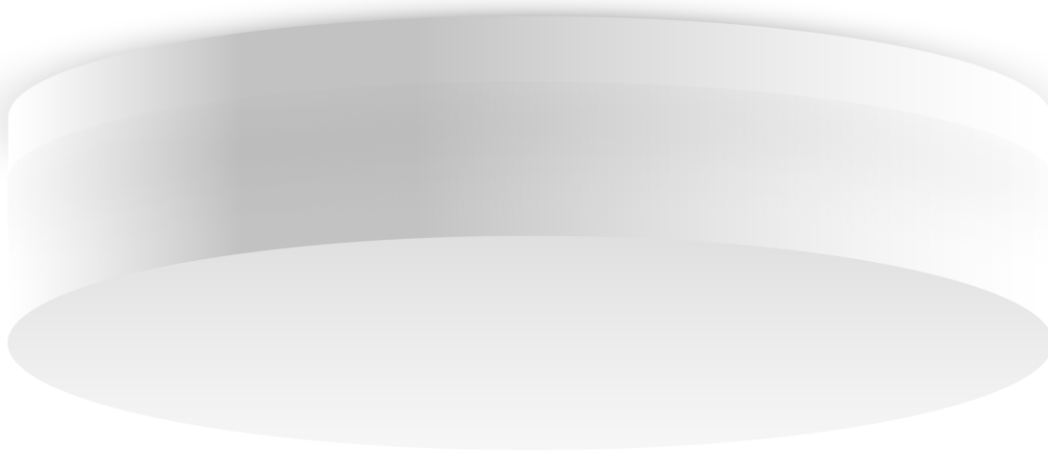




* Made to order
The components are also available in anthracite color.



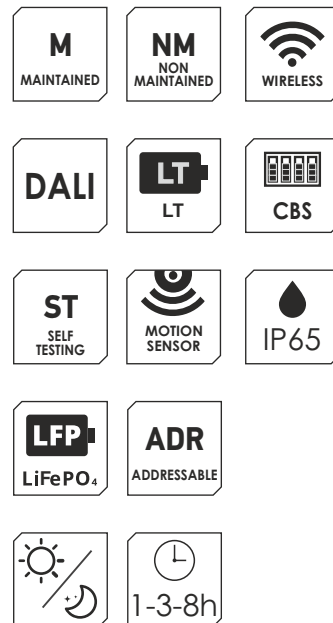
KYKLOS360



Smart emergency light with motion sensor

The KLS PRO-400/LF/WP combines modern design with intelligent functionality. It incorporates a motion sensor that activates the lighting exactly when needed, providing immediate response and energy efficiency. With a brightness of up to 2000 lumens and an IP65 rating, it is a reliable choice for both indoor and outdoor environments.

Offering three autonomy options (1, 3, or 8 hours), it adapts to various applications. Its internal settings allow precise control over sensitivity and lighting duration after motion detection. The robust construction and the ability to mount it on walls or ceilings make it an ideal solution for areas with high safety and reliability requirements.

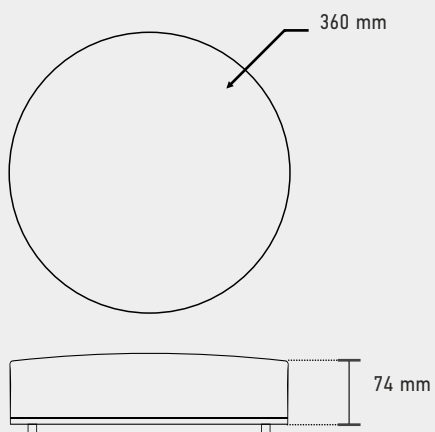




Ceiling mounting



Wall mounting



ZLDPRO

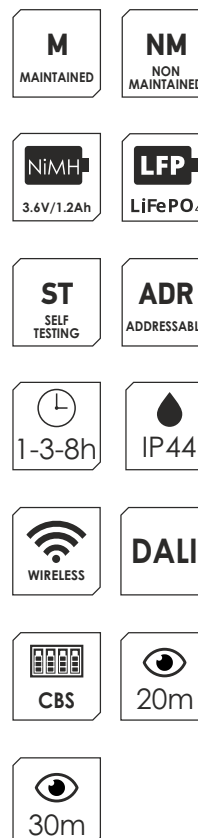


Combine safety and aesthetics with the new ZLD PRO emergency luminaires

The new ZLD PRO series offers elegant and reliable emergency signage luminaires for any space. Featuring an aluminum profile, long-lasting battery, and energy-efficient LEDs, they ensure uniform and clear illumination of signs.

Available in single or double-sided versions, with easy-to-change pictograms, they adapt to the needs of each environment. Installation on ceilings or walls is straightforward, and the 20 and 30-meter viewing distances make the series ideal for professional and architectural projects.

The ZLD PRO luminaires are available in CBS versions with LifePo4 batteries, as well as with wireless, addressable, or DALI communication, offering flexibility and comprehensive emergency lighting management.





A-1143
Ceiling mounting



A-1134
Wall mounting



A-1130
Ceiling mounting



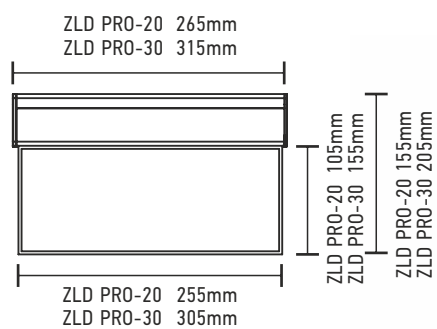
A-1136
Ceiling hanging
installation with cable



A-1140 & A-1141
Ceiling or wall
mounting



A-1133
Vertical wall mounting



ANTIEXPLOSIVE EMERGENCY LUMINAIRES

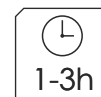


Antiexplosive emergency luminaires

Antiexplosive emergency luminaires are designed for hazardous environments where there is a risk of explosive gases or dust. Featuring high-quality aluminum housings in yellow (RAL-1003) and polycarbonate or impact-resistant glass lenses with UV protection, they offer reliability and durability in demanding conditions.

Models with integrated batteries include a charging indicator and a socket for a remote test button, facilitating maintenance and safety checks. High-power illumination and Ni-Cd batteries ensure reliable operation with IP66 and IK05 or IK07 protection ratings, safeguarding against water, dust, and impacts.

Operating in temperatures from 0°C to 40°C (and from -20°C to 40°C for CBS versions) with humidity up to 95%, and compliant with ATEX Directive 94/9/EC, these luminaires are ideal for industrial applications, providing safety, robustness, and reliability in every environment.



Polycarbonate

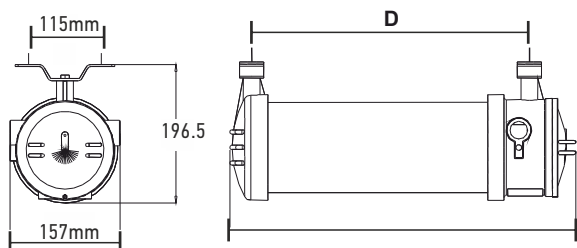


Glass





- Antiexplosive emergency luminaires for hazardous environments.
- Ni-Cd Batteries with charging indicators for easy monitoring.
- Hazardous area compatibility: Suitable for explosive gas and dust atmospheres.
- Ingress protection: IP66 and IK05/IK07 ratings, offering protection against water, dust, and impacts.
- Construction materials: Manufactured from aluminum and polycarbonate or glass for durability and reliability.
- Operating temperature range: 0°C to 40°C; CBS version operates between -20°C and 40°C.
- Humidity resistance: Can withstand up to 95% relative humidity.
- Compliance: Conforms to ATEX directive 94/9/EC.



LT SERIES



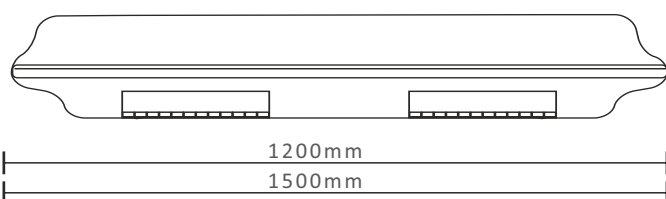
Reliability in manufacturing, superiority in performance

The LT series represents the ideal solution for industrial environments, offering consistent brightness and long-term performance even in the most demanding applications. With luminous flux up to 10,031 lm and an efficiency over 130 lm/W, it guarantees excellent illumination and significant energy savings.

With an IP66 protection rating and secure stainless-steel connectors, the LT series stands up to demanding environments. The diffuser, with high light transmittance (up to 90%), ensures uniform illumination, while the colour-temperature options of 3000 K, 4000 K and 5000 K and a CRI of 80+ deliver high-quality light and flexibility for every application.

With multiple mounting options — ceiling, suspension or wall — the LT series is ideal for industrial facilities, warehouses, production lines and outdoor spaces, where reliability, durability and safety are essential

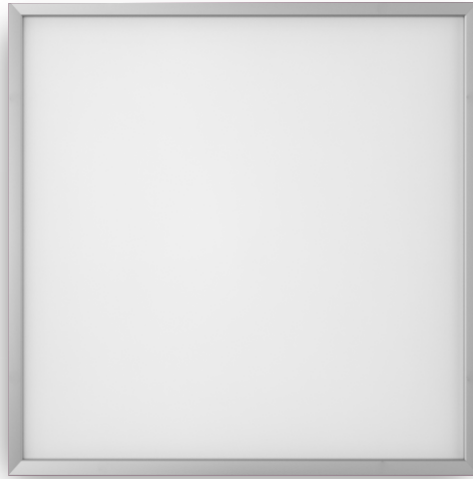




LT-400/180/49Wleds/180min
LT-400/180/61Wleds/180min



LT SERIES



High-performance lighting with a sleek design

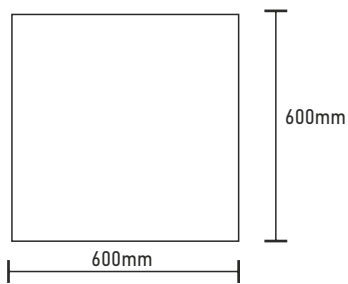
The LT Series Panel combines sleek design, high brightness and reliability, ideal for offices, retail stores, hotels and conference rooms. It offers uniform lighting without glare, with a colour rendering index $Ra > 80$ and luminous flux up to 4,400 lm, ensuring comfort and high-quality lighting in every space.

It features selectable colour temperatures of 3000 K, 4000 K and 6000 K, a lifetime of up to 50,000 hours, and construction from high-quality aluminium with a durable diffuser that guarantees resistance and uniform light distribution.

It offers flexible mounting options on the ceiling, by suspension or on the wall, while the emergency version (emergency fixture) ensures operation even during power outages.

With the LT Series Panel, you create a bright, functional and sleek environment that meets the needs of any professional space.





LT-42/180min



GR-250 SERIES



Robust IP65 protection

Designed for demanding indoor and outdoor environments, offering excellent protection against dust and water ingress.

Flexible lumen selection

Available with multiple lumen output configurations to meet the requirements of different applications and installation heights.

Easy installation

Suitable for wall or ceiling mounting with a practical installation system that reduces installation time.

Long-Life reliability

Engineered with premium components and advanced electronics to ensure long service life and reduced maintenance costs.

Manufacturing reliability, peak performance

The GR-250 series is Olympia Electronics' professional emergency lighting solution, designed to deliver exceptional performance in applications where reliability and high illumination levels are essential. Combining advanced LED technology with a robust IP65-rated enclosure, the GR-250 ensures dependable operation in both indoor and outdoor installations.

Designed to provide effective emergency illumination over large areas, the GR-250 offers multiple lumen output options and advanced monitoring capabilities, making it suitable for a wide range of commercial, industrial and public-sector projects. Its durable construction and modern design guarantee long-lasting performance with minimal maintenance requirements.

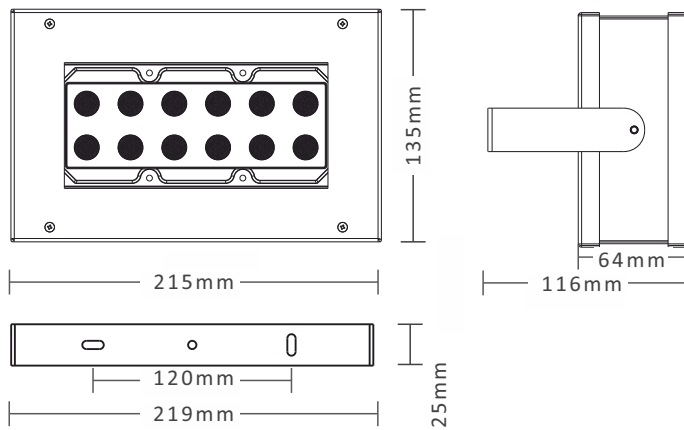
Whether installed in warehouses, industrial facilities, parking structures, transportation hubs or public buildings, the GR-250 delivers the safety, visibility and reliability required during emergency situations.





Powerful emergency lighting for demanding environments

DIMENSIONS



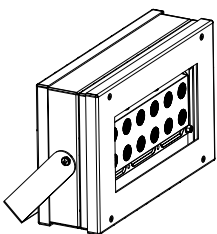
High-efficiency LEDs provide strong and uniform emergency illumination, ensuring safe evacuation and improved visibility.

The GR-250 emergency luminaire has been developed to meet the demanding requirements of modern safety installations. Its powerful optical performance and durable construction make it an ideal solution for:

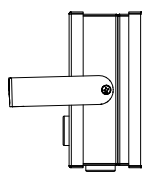
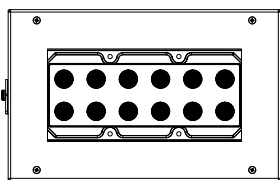
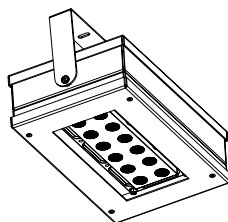
- **Industrial facilities**
- **Warehouses and logistics centers**
- **Parking garages**
- **Public buildings**
- **Commercial premises**
- **Transportation infrastructure**
- **Outdoor escape routes**

MOUNTING METHODS

Wall mounting



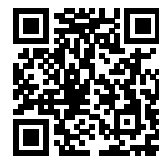
Ceiling mounting



ACCESS FLEX PRO



The access control system that combines technology and flexibility.



The Online Access Flex PRO offers absolute security for the hotel, rental rooms, etc., and an unparalleled experience for the guests. Through two-way communication between the reception desk and the electronic locks, the staff has full real-time control.

With Access Flex PRO, you can monitor all rooms, receive notifications for "Do Not Disturb," "Room Cleaning," occupancy status, temperature, and events from the locks. A lock can be remotely opened, and the room temperature can be adjusted and controlled without physical presence.

Reception staff can also read the entry and exit history from the locks' memory and instantly cancel cards with the press of a button, ensuring security, flexibility, and complete control at all times.





The Access Flex PRO offers comprehensive control and energy savings. Through two power relays, it can manage lighting and air conditioning, conserving energy without compromising guest comfort.

It features a doorbell, access via card or Mobile Bluetooth, and stable Ethernet connectivity, ensuring reliable operation at all times. The clear LED lighting highlights the room number and signage, while the user-friendly interface with open software allows integration with the hotel's EMS.

The ability to customize the room number directly on the device offers flexibility and precision, enhancing the aesthetics and recognizability of the space. At the same time, it eliminates the need for external signage, making the process simpler, more cost-effective, and durable over time.

Power Supply

AccessFlex PRO: 12V DC

Energy Saver:: 220V / 50Hz

SMARTKEY

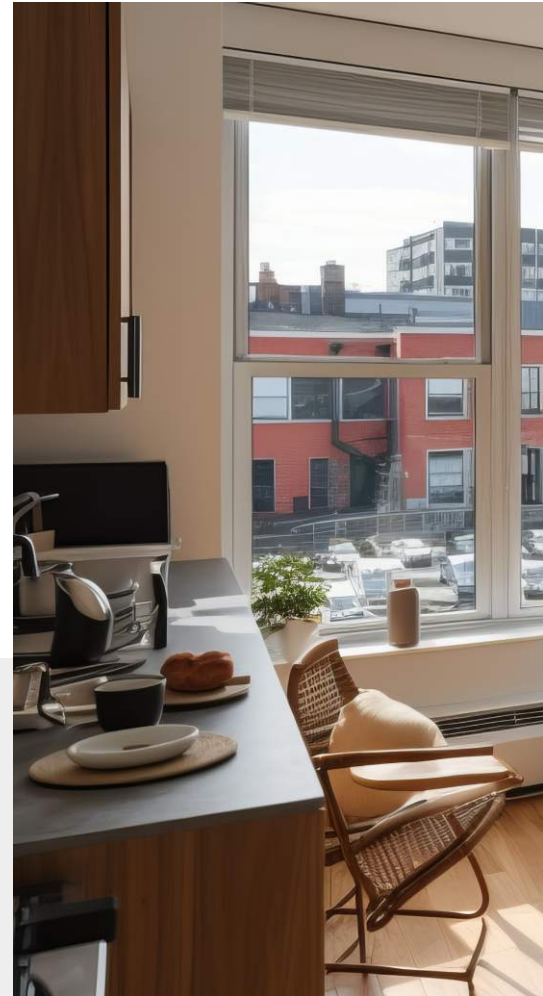


Smartkey – The intelligent access solution for every stay setting

Smartkey offers a modern and reliable access management solution for accommodations and hospitality spaces.

Administrators can easily control entry via Bluetooth and a central web system, while the apps for administrators and users allow quick configuration of each door—even in online or offline mode.

Access is immediate and keyless, through Bluetooth and Wi-Fi, ensuring convenience and security for both guests and staff. Smartkey delivers reliability, simplicity, and autonomy, making reservation management more efficient and the hospitality experience smoother.





Secure configuration: Easily set unlock times, failed attempt limits, and access range.

Central management: Organize spaces, doors, devices, and user permissions through the online platform.

Full monitoring: Track activity and booking history, assigning access to staff with clearly defined permissions.

Guest reception: Visitors receive an email with their credentials and immediately activate their account.

Friendly mobile app: Room access via Bluetooth, no keys or cards.

Local control in service mode: Reset or configuration with physical buttons for quick technical support.

With SmartKey, access to the apartments becomes secure, easy and fully controlled — for both managers and guests.

SMOKE DETECTOR

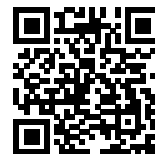
BS-506/LITHIUM
BS-506/ALKALINE
BS-506/WIRELESS



Reliable detection & continuous protection

The device features an automatic fault-monitoring system, ensuring continuous operation and safety without human intervention. The infrared optical technology provides high sensitivity and accuracy, while remaining fully safe and environmentally friendly.

The protection against dust and foreign objects extends the lifespan of the sensors, and the dynamic dust compensation ensures stable performance and avoidance of false alarms. The mute function and alarm memory give the user complete control and easy incident tracking, for maximum safety and user convenience.



Dedal
Attestation &
Certification



IP20



OPTICAL



85dB



Ø130
H:43mm



ABS/PC
PC



185g
WEIGHT



CEILING
MOUNTING



EN14604
2005

**BS-506
ALKALINE**



Battery life
7 years



Battery life
10 years

**BS-506
WIRELESS**



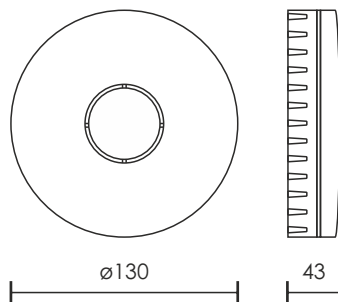
Battery life
10 years



WIRELESS
868MHz



EN300220-2
EN300220-1



SMOKE DETECTOR

BS-508/WiFi



Wi-Fi Smoke detector – real-time protection and control

The BS-508/WiFi is a modern, standalone smoke detector that combines sleek design, easy installation, and comprehensive safety. Equipped with built-in WiFi and smartphone notifications via application, it keeps you informed in real-time, whether you're at home or away. Ideal for homes, apartments, vacation houses, garages, and more, it serves as a smart upgrade for maximum security.

Smart features for full control

It features an advanced dual-spectrum photoelectric sensor, ensuring high accuracy in smoke detection. With a powerful 85dB audible alarm and LED indicators, it promptly alerts you to smoke presence, low battery, or potential malfunctions.

Through the application, you can remotely test or silence the alarm and assign it to specific rooms for easier management. With a battery life of up to 2 years, the BS-508/WiFi provides reliable and continuous protection for your home.





CE 22
 1008
 1008-CPR-MC 69266046 0001
 CE-HX2022020901
 EN 14604:2005
 EN 14604:2005/AC:2008



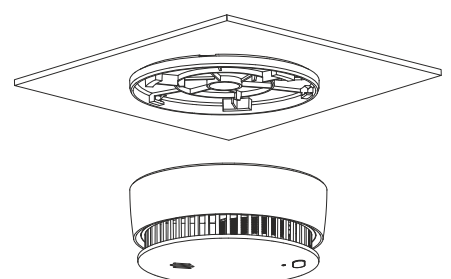
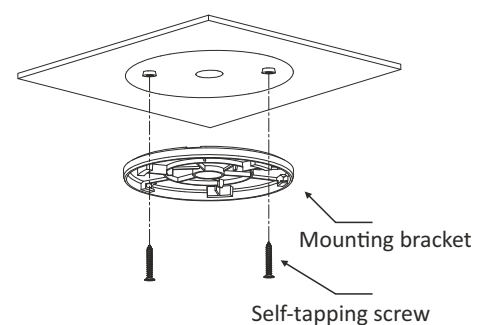
Smoke detection
chamber with
Split-Spectrum
Technology



Smoke
detection



- Powerful 85dB audible alarm with LED indicators for smoke, low battery, or faults.
- WiFi connectivity for instant smartphone notifications, wherever you are.
- Remote control via the application (iOS & Android).
- CR123A lithium battery with a lifespan of up to 2 years.
- Dual-spectrum photoelectric smoke sensor for fast and accurate detection.
- Easy ceiling installation, with included mounting plate and screws.
- Compatible with 2.4GHz WiFi networks for reliable connection.
- Ideal for homes, apartments, vacation homes, and garages.
- Certified by TÜV Rheinland and CE, complying with EU safety standards.



SMOKE_{BS-507} DETECTOR



BS-507 – Smoke detector for reliable protection

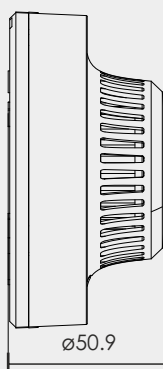
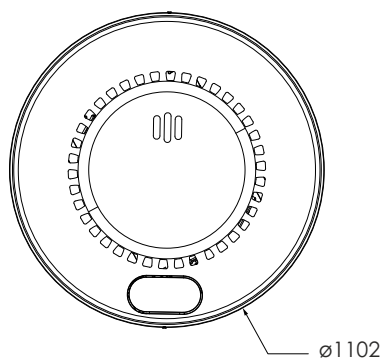
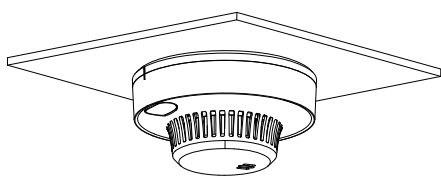
The BS-507 continuously monitors the smoke concentration in the area, providing timely alerts in case of fire. The dual-spectrum photoelectric sensor ensures rapid and accurate detection, while the built-in 85 dB siren and LED indicators immediately notify of any danger.

Easy to use, features a test button and alarm hush function, low energy consumption, and a replaceable battery, ensuring reliable operation. Covers areas of 20–40 m², operates in temperatures from -10°C to +55°C and humidity up to 95%, while featuring a sleek and sturdy housing for reliable operation and aesthetic harmony, with TÜV and CE certifications.

The BS-507 is a reliable smoke detector suitable for homes and hospitality spaces. It offers real-time smoke detection, ensuring early alerts to enhance safety.

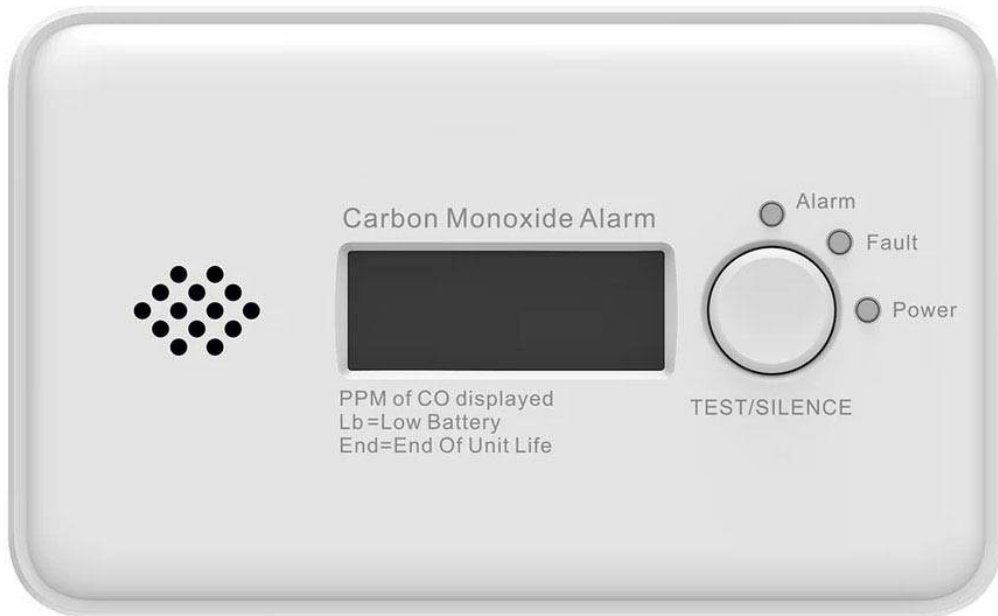


Ceiling mounting



- The BS-507 is equipped with a photoelectric sensor for rapid smoke detection and an audible alarm exceeding 85 dB at 3 meters, ensuring immediate notification in case of danger.
- It features a test and hush button, low energy consumption, and a replaceable battery with a lifespan of up to 5 years, ensuring reliable and continuous protection.
- Easy installation on ceilings makes it ideal for home use, combining safety and convenience.

CARBON_{BS-511} MONOXIDE DETECTOR



CO Detector – The right choice for safe spaces.

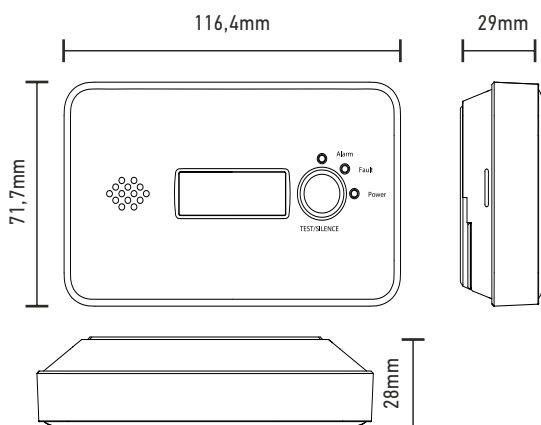
The BS-511 is an autonomous CO detector, designed for continuous monitoring of carbon monoxide levels in the area. With a high-performance electrochemical sensor, it quickly and accurately detects any CO leaks, while the audible and visual alarm promptly notifies of any danger.

The LCD screen displays the real-time CO concentration, while the three LEDs indicate the device's status and support functions such as testing and silencing. With a 10-year battery life, low energy consumption, and easy wall mounting, the BS-511 is ideal for homes, restaurants, and hotels.

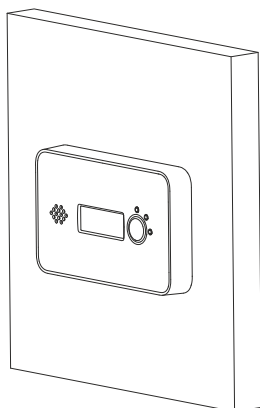
The sleek and practical design, combined with TÜV and CE certifications, ensures reliability and safety in any environment.



- The BS-511 provides accurate carbon monoxide detection thanks to its high-performance electrochemical sensor.
- The loud audible alarm above 85 dB and the visual indicator promptly alert to any danger, while the LCD screen facilitates real-time monitoring of CO levels.
- With a 10-year battery life and easy wall mounting, the BS-511 is ideal for homes, apartments, restaurants, and hotels, providing safety and reliability without maintenance for years.



Wall mounting



HEAT BS-512 DETECTOR



Durability, accuracy, protection –
all in one detector.

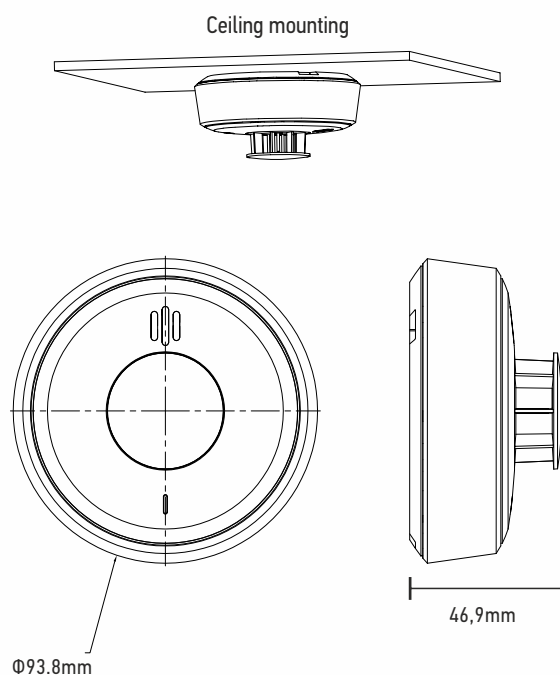
BS-512 is a heat detector designed for early detection of dangerous temperature increases. With an integrated high-precision thermistor and advanced algorithm, it promptly detects any threshold exceedance, preventing false alarms in areas with smoke or vapors.

Ideal for kitchens, garages, attics and commercial spaces such as offices, the BS-512 offers continuous 24/7 protection with a 10-year battery, maintenance-free. Its discreet design and easy ceiling mounting make it the perfect choice for any modern home or professional environment.





- The detector features a loud alarm exceeding 85 dB(A) at a distance of 3 meters, and through the central button, users can easily test or silence the alarm.
- With low energy consumption and a low battery alert, the device ensures long-term, reliable operation.
- Its SMD design offers maximum reliability and longevity, while CE & UKCA certifications in accordance with the BS 5446-2:2003 standard guarantee the device's safety and quality.





for a safer world!



Environmental Friendly Company

Olympia Electronics SA highlights its commitment to support and promote sustainable development and the principles of Corporate Social Responsibility through a global strategy. The company operates in the field of production of integrated security systems and implements practices aimed at protecting the environment, the addition of social value and the development of corporate social responsibility.



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