

ZEMPER

THE EMERGENCY LIGHTING SPECIALIST



EMERGENCY LIGHTING















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ICONOGRAPHY

	Body Material		Optic		IP Rating
	IK Rating		Lumen Output Range		Battery Duration
	Charging time		Supply Voltage & Frequency		LED temperature
	Working temperature		AutoTest		SmartZ [®]



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NEW

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ZDALI2 TOUCHSCREEN CONTROL UNIT

180

NEW

IP66



SATURNO

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ZEMPER

THE EMERGENCY LIGHTING SPECIALIST

Zemper, from its technically sophisticated facilities in Spain, designs and manufactures a comprehensive range of professional emergency lighting and control systems for a wide range of applications including:

- Car Park
- Clean Environment
- Custodial
- Data Centres
- Education
- External
- Food
- Hazardous
- Healthcare
- Industry
- Office
- Track
- Social Housing
- Warehouse and Logistics



We are Zemper



Zemper in the world

Spain

Ciudad Real: Headquarters.

Barcelona: Showroom and facilities.

Madrid: Showroom and facilities.

Zemper France

Zemper BeLux

Commercial branches:

Morocco and Colombia.

Zemper is part of Thorpe industrial group.



Over the last 50 years, the company has focused on high technology products and lighting control systems.

Huge investment in design and testing facilities in Ciudad Real (Spain) has now put **Zemper** at the forefront of its market sector.

When choosing **Zemper** you can be confident of receiving:

- Professional, competent advice from a long-established Spanish company.
- Excellent customer service and a 5-year warranty.



Designers, manufacturers and suppliers of professional emergency lighting system since 1967

Production plant

Zemper owns the complete production cycle for emergency luminaires.

The company's continuous investments in new machinery have increased capacity and modernised the manufacturing process (laser marking, pcb functional test, etc.).

Zemper's luminaires and systems are designed and engineered for reliability and governed by rigorous quality assurance processes at every stage in the development and production cycle.

Factory: 1 0000 m²

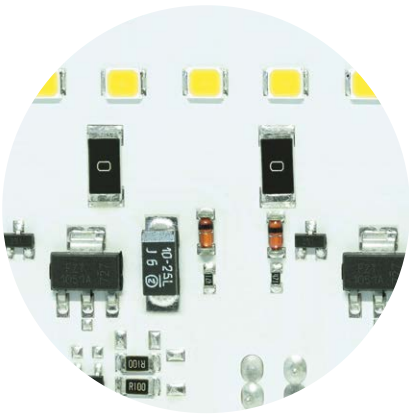
Production Plant: 6 000 m²

Luminaire capacity: 2.5 million units/year



Visit our Factory

SMD Room



**3 million
components
placed per
week**



Zemper is able to exploit recent advances in LED technology to help meet customer demand for energy-efficient solutions. Almost all LED products benefit from bespoke LED printed circuit boards (PCBs) designed by the Zemper technical team. These PCBs ensure that Zemper emergency luminaires deliver maximum performance.



R&D department

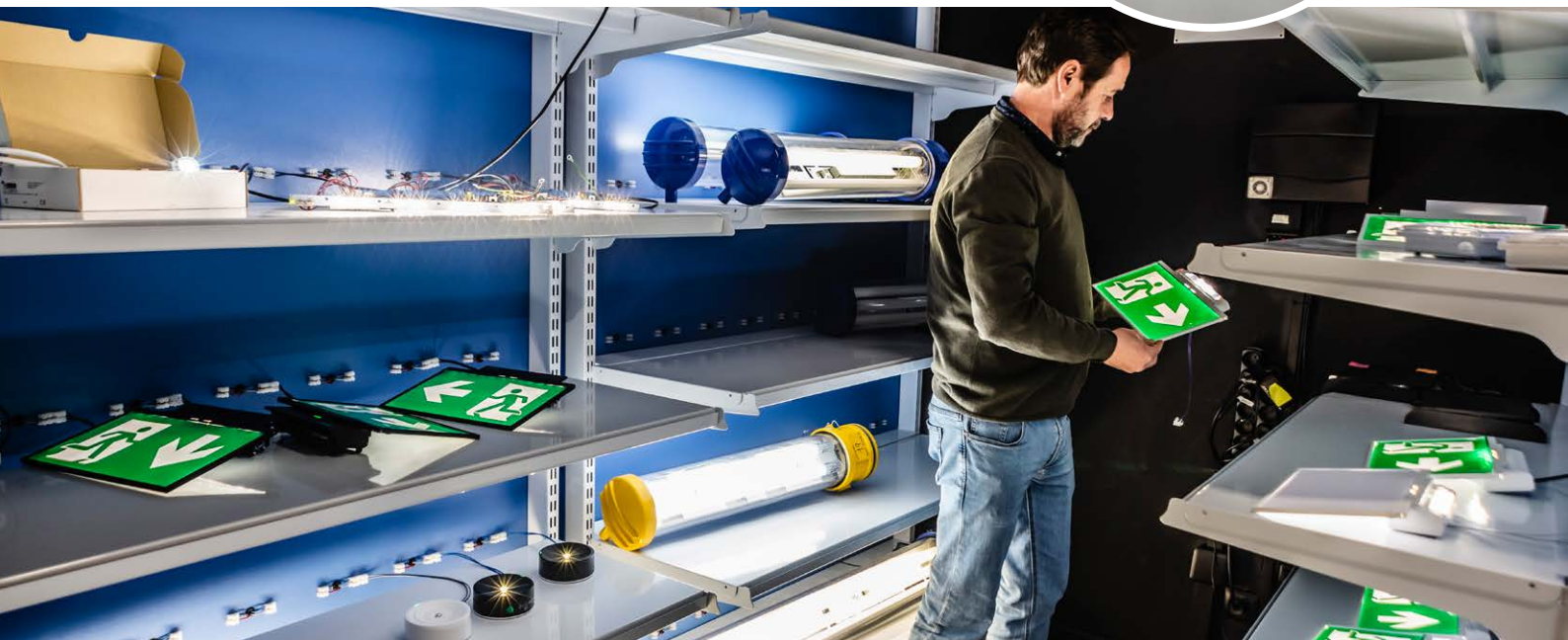
10 Engineers (10% of the staff)

Mechanical development (3D designs and Mold management)

Full electronic component design

Systems (Software and Communications)

Lighting designs for projects



Own laboratories

We research and test internally without limits.
Guaranteed products with full quality and confidence.

Dust tightness chamber, impact hammer, climatic chamber, glow wire machine, EMC tester, battery duration testers, 2 Ulbricht spheres, etc.



PRODUCT CERTIFICATIONS



COLOMBIA



CNIM



CIVIL DEFENSE



KITEMARK



DECLARATIONS OF CONFORMITY

Zemper products are manufactured to the most stringent quality control standards in the most environmentally friendly manner. Declarations of Conformity are available stating that Zemper luminaires have been tested to and comply with the relevant international standards for the manufacture and testing of luminaires and related products.

Each declaration also confirms that products are manufactured to an approved ISO 9001 quality system, and that products are fully tested before despatch. Tests include those for safety earth circuit continuity, full circuit functionality including dimming, and current drawn. Specialist in-house protection circuitry is employed to prevent damage to equipment under test conditions.





Zemper is proud that **100% of its products** are designed and manufactured **in Spain, European Union.**

By manufacturing in the EU, Zemper can meet urgent customer demands without the need to transport products from other continents, which would involve additional financial and environmental costs.



**5 Year
Warranty:
A genuine warranty
with genuine value**



AutoTest, SmartZ[®] & DALI-2 Lithium

5 year warranty for autotest, SmartZ[®] and DALI-2 Lithium battery. Warranty for complete product, including electronics and battery.

FOCUS ON PROJECTS

Spain



Banco de España
(Madrid)



Santiago Bernabeu
(Madrid)



Hotele Palace (Madrid)



Fábrica Nacional de Moneda
y Timbre (Madrid)

Morocco



Université Mohamed VI
(Casablanca)



Hotel Hilton
(Ben Gir)

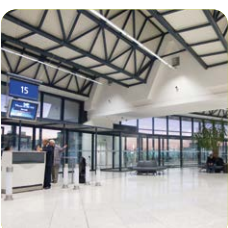


Aeroport international
(Djibouti)



Hotel St. Régis
(M'Diq)

Algeria



Houari Boumediene
International Airport (Algiers)

Colombia



EPM Smart Building
(Medellin)

Djibouti



Ambouli International
Airport (Djibouti City)

Portugal



Lisbon Metro (Lisbon)



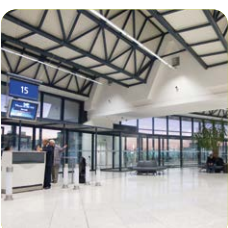
Terceira Island Hospital
(Azores)

Algeria

Colombia

Djibouti

Cote d'Ivoire



Postel Tower (Abidjan)



Exhibition Centre (Abidjan)



ZEMPER

Working together on projects
all over the world

We are present in 5 continents and 30 countries.

We have more than 50 year of experience behind us and this enables us to offer competitive solutions that we bring to every project we undertake. Our customers rely on our know-how and this trust is one of our greatest strengths.

France



Hôtel Sheraton
(Nice)



Renault – Bâtiment X
(Boulogne)



Hôpital maritime
(Zuydcoote)

Norway



Rortunet (Oslo)

Austria



Brandbox (Salzburg)

Belgium



ZNA Hospital (Antwerp)



Brussels Airport (Brussels)



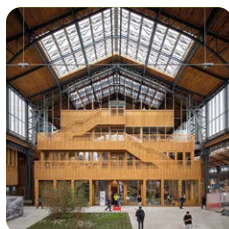
De Persgroep HQ of Belgium most
Important Multi-Media Company
(Antwerp)



New Town Hall
(Hasselt)



Royal Belge
(Brussels)



Offices in a culture hall
Tour & Taxi (Brussels)



PWC Diegem - Ghelamco
(Brussels - Diegem)



HQ Bankcompagny BNP
(Brussels)

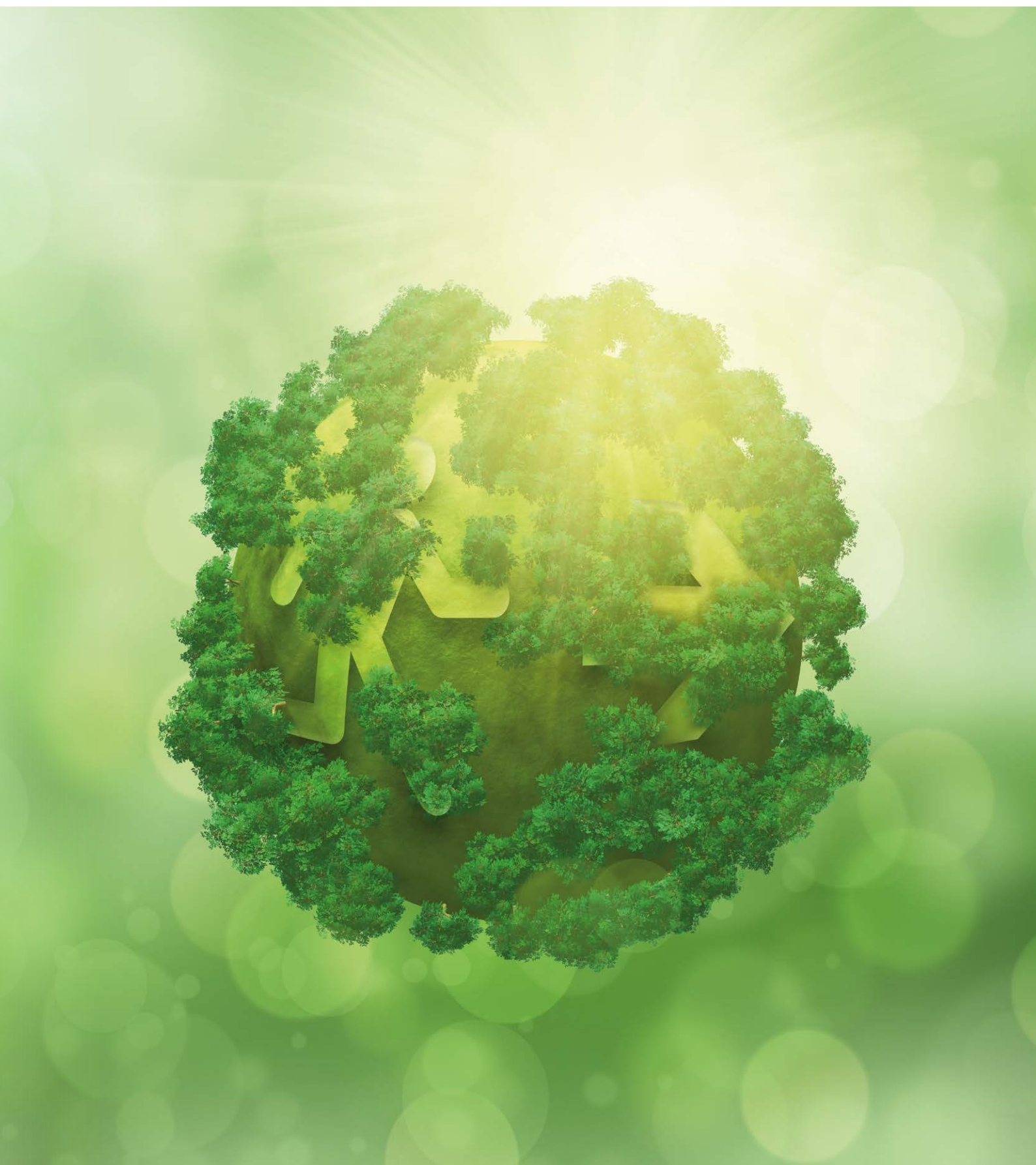


ZNA Ziekenhuis
(Antwerp)



EVO10

Zemper's
most sustainable
and durable range



Sustainability is More Than Just a Buzzword for Zemper. It's Leading Our Entire Business Strategy



SUSTAINABILITY

We create reliable solutions that are respectful to the environment, promoting an inclusive society.



CIRCULAR ECONOMY

We contribute to an endless, circular world where waste becomes a resource and old becomes new.



RENEWABLE ENERGY

In 2024, our photovoltaic installation will reach 260 kWh. 95% of our energy consumption comes from renewable sources.



CARBON FOOTPRINT

We reduce our carbon footprint year after year and plant trees to offset it. Our objective is net zero by 2030.



RECYCLING

Each of our luminaires is at least 60% recyclable. We use 100% recycled and recyclable packaging.



Zemper Sustainability

Our Sustainability Certificates

A leading company in sustainability and environmental commitment



The world's most trusted provider of business sustainability ratings.



EN 60598-2-22

Certification issued by an independent body, that it is a tool for recognising the ecological quality of a product.

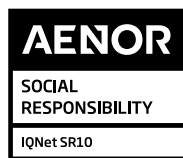


All Zemper products have been designed and manufactured in Spain.



EN 60598-2-22 + Sustainable Aenor Protocol

Certifies that in addition to complying with the requirements of the brand N (which is equal to ENEC) meets the strictest requirements of sustainability during its manufacture.



IQNet SR10

Gathers the best international practices and recommendations regarding social responsibility.



GHG Protocol

The total company amount of greenhouse gas emissions (GHG) that are generated from the manufacturing to the sale of the products.



ISO 14001

Assures that Zemper measures and reduces its environmental impacts and complies with environmental legislation.



ISO 9001

Ensure that Zemper's customers get consistently good quality products and services.



ISO 45001

Specifies requirements for an occupational health and safety (OH&S) management system.

AENOR: Reference certification body for systems and products in Spain.

EV010

Our core luminaire product range has been expanded to include premium and more sustainable options.

We have reduced our carbon footprint, using fewer materials, less energy, and more efficient transportation and manufacturing methods.

Durable design ensures minimal waste over an extended period.

Our primary objectives are longevity, efficiency, and reusability.



EV010

Ecodesign

Zemper considers the environment throughout the product design and development process. The EVO-10 range has the lowest environmental impact across its product life cycle.

We have reduced the size of plastics, PCBs and electronic components.

We monitor our environmental footprint
(Zemper is a Sustainable AENOR N brand).

We carry out a certificated study of energy consumption and end-of-life
(NF Environment).



Sustainable Manufacturing



Latest-generation, low-consumption SMD and plastic production lines.

Use of recyclable plastics

Using recycled and recyclable polycarbonate contributes less to global warming, depletion of resources, and pollution.

Lens efficiency

Lens development at Zemper has resulted in optimized performance.

Better lenses allow optimal luminaire spacing and uniformity.

Higher lens efficiency means fewer luminaires are required.

Renewable energy

In 2024, our photovoltaic installation will reach 260 kWh.

95% of our energy consumption comes from renewable resources.

Minimum environmental impact

Net-zero objective for 2030.

Long-Lasting Components



Endurance is nothing new for us. There are 30-year-old Zemper luminaires still working correctly today, which only require battery maintenance.

LEDs guaranteed for 100 000 hours.

Tested with thermal cameras to detect critical points, extending the life of the electronic components.



Largest Battery Study in the World

In collaboration with experts from the IMDEA Institute, Zemper has conducted the largest-ever study of LiFePO_4 batteries in an emergency lighting application, including ideal operating temperatures.

Years of analysis and research have gone into designing long-lasting luminaires.

The development of microprocessor-controlled hardware and software to manage the load of LiFePO_4 batteries has optimized battery lifetime.



Low Consumption

We have developed our own charging system for LiFePO₄ batteries, which optimizes energy consumption while extending the lifetime of our batteries.

Improved luminous efficiency.

SmartZ[®] and DALI-2 monitoring system:
Reduced maintenance, easier management, safer buildings.

- Reduction of installation and maintenance footprint.
- Preventive maintenance.
- Battery status display.



- Simple, fast installation and maintenance ensure fewer people required on-site, lower energy consumption and less transport pollution.

Traceability and Quality Controls

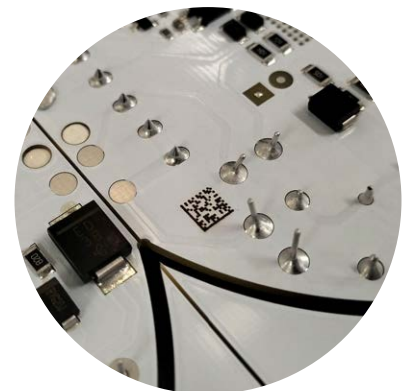
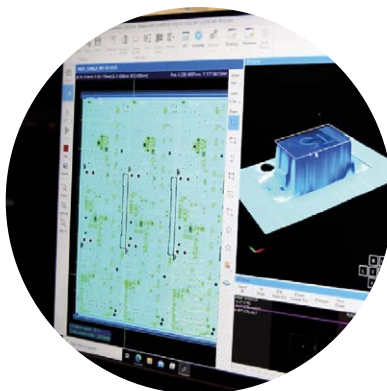
Five levels of quality control during production.
100% controlled luminaires.

PCBs control via AOI.

Traceability via laser marking (more sustainable than labelling).

Traceability from components to the final product.

Recyclability.



Zemper conducts **extreme quality controls on all its products** and components at all phases, from design to final production.

For all these reasons, the way we design,
the way we produce, the components we use, the tests we make:
we can ensure EVO-10 will last 10 years.



The Zemper EVO-10 product warranty offered to customers
covers a period of 10 years.

Please consult our General Conditions of Guarantee.

EVO10

RANGE



SPACIO



	Emergency	Dur.	Battery	Lens	Part number
	250 lm	1 h	6.4V 1.5A/h LiFePo ₄	Corridor	LSLX3251LA
	290 lm	1 h	6.4V 1.5A/h LiFePo ₄	Area	LSLX3300LA
	420 lm	1 h	6.4V 1.5A/h LiFePo ₄	Narrow	LSLX3404LA
	420 lm	1 h	6.4V 1.5A/h LiFePo ₄	Corner	LSLX3403LA
	440 lm	1 h	6.4V 1.5A/h LiFePo ₄	Corridor+	LSLX3402LA
	470 lm	1 h	6.4V 1.5A/h LiFePo ₄	Area	LSLX3500LA
	250 lm	3 h	6.4V 3.0A/h LiFePo ₄	Corridor	LSLX3251LA3
	290 lm	3 h	6.4V 3.0A/h LiFePo ₄	Area	LSLX3300LA3
	400 lm	3 h	6.4V 4.0A/h LiFePo ₄	Corner	LSLX3403LA3
	400 lm	3 h	6.4V 4.0A/h LiFePo ₄	Narrow	LSLX3404LA3
	420 lm	3 h	6.4V 4.0A/h LiFePo ₄	Corridor+	LSLX3402LA3
	450 lm	3 h	6.4V 4.0A/h LiFePo ₄	Area	LSLX3500LA3
	250 lm	1 h	6.4V 1.5A/h LiFePo ₄	Corridor	LSLX3251LW
	290 lm	1 h	6.4V 1.5A/h LiFePo ₄	Area	LSLX3300LW
	420 lm	1 h	6.4V 1.5A/h LiFePo ₄	Narrow	LSLX3404LW
	420 lm	1 h	6.4V 1.5A/h LiFePo ₄	Corner	LSLX3403LW
	440 lm	1 h	6.4V 1.5A/h LiFePo ₄	Corridor+	LSLX3402LW
	470 lm	1 h	6.4V 1.5A/h LiFePo ₄	Area	LSLX3500LW
Wireless SmartZ®	250 lm	3 h	6.4V 3.0A/h LiFePo ₄	Corridor	LSLX3251LW3
	290 lm	3 h	6.4V 3.0A/h LiFePo ₄	Area	LSLX3300LW3
	400 lm	3 h	6.4V 4.0A/h LiFePo ₄	Corner	LSLX3403LW3
	400 lm	3 h	6.4V 4.0A/h LiFePo ₄	Narrow	LSLX3404LW3
	420 lm	3 h	6.4V 4.0A/h LiFePo ₄	Corridor+	LSLX3402LW3
	450 lm	3 h	6.4V 4.0A/h LiFePo ₄	Area	LSLX3500LW3

Non Maintained



The EVO-10 range is a life-saving, reliable emergency lighting solution. With a 10-year warranty, its lithium batteries ensure long life. EVO-10 offers significant maintenance savings over alternative options with a minimum carbon footprint.

EVO10

RANGE

SmartZ



SPAZIO LUZ 10

	Emergency	Dur.	Battery	Part number
	400 lm	1 h	3.2V 1.5A/h LiFePo ₄	LUZX4400LA
	135 lm	3 h	3.2V 1.8A/h LiFePo ₄	LUZX4150LA3
Wireless SmartZ®	400 lm	1 h	3.2V 1.5A/h LiFePo ₄	LUZX4400LW
	135 lm	3 h	3.2V 1.8A/h LiFePo ₄	LUZX4150LW3

For black version, add "N" at the end of the part number.
Non Maintained



SPAZIO ON 10

	Emergency	Dur.	Battery	Part number
	250 lm	1 h	3.2V 1.5Ah LiFePo ₄	LSMX3250LA
	250 lm	1 h	3.2V 1.5Ah LiFePo ₄	LSMX3251LA
	250 lm	1 h	3.2V 1.5Ah LiFePo ₄	LSMX3252LA
	400 lm	1 h	3.2V 1.5Ah LiFePo ₄	LUZX4400LA
	95 lm	3 h	3.2V 1.8Ah LiFePo ₄	LSMX3100LA3
	95 lm	3 h	3.2V 1.8Ah LiFePo ₄	LSMX3101LA3
	95 lm	3 h	3.2V 1.8Ah LiFePo ₄	LSMX3102LA3
	135 lm	3 h	3.2V 1.8Ah LiFePo ₄	LUZX4150LA3
	Wireless SmartZ®	250 lm	1 h	3.2V 1.5Ah LiFePo ₄
250 lm		1 h	3.2V 1.5Ah LiFePo ₄	LSMX3251LW
250 lm		1 h	3.2V 1.5Ah LiFePo ₄	LSMX3252LW
400 lm		1 h	3.2V 1.5Ah LiFePo ₄	LUZX4400LW
95 lm		3 h	3.2V 1.8Ah LiFePo ₄	LSMX3100LW3
95 lm		3 h	3.2V 1.8Ah LiFePo ₄	LSMX3101LW3
95 lm		3 h	3.2V 1.8Ah LiFePo ₄	LSMX3102LW3
135 lm		3 h	3.2V 1.8Ah LiFePo ₄	LUZX4150LW3

For black version, add "N" at the end of the part number.
Non Maintained



ALYA MAXI 10



WALYA MAXI 10



EXITALYA MAXI 10
SURFACE



EXITALYA MAXI 10
SURFACE DOWNLIGHT



EXITALYA MAXI 10
RED

	Emergency	Dur.	Battery	Part number
	390 lm	1 h	3.2V 1.5A/h LiFePo ₄	LYAX5400LA
	170 lm	3 h	3.2V 3.0A/h LiFePo ₄	LYAX5170LA3
Wireless SmartZ®	390 lm	1 h	3.2V 1.5A/h LiFePo ₄	LYAX5400LW
	170 lm	3 h	3.2V 3.0A/h LiFePo ₄	LYAX5170LW3

For black version, add "N" at the end of the part number.
Luminous flux decreases by 18% in black colour version.

Non Maintained

	Emergency	Dur.	Battery	Part number
	290 lm	1 h	3.2V 1.5A/h LiFePo ₄	LYWX5300LA
	105 lm	3 h	3.2V 1.5A/h LiFePo ₄	LYWX5100LA3
Wireless SmartZ®	290 lm	1 h	3.2V 1.5A/h LiFePo ₄	LYWX5300LW
	105 lm	3 h	3.2V 1.5A/h LiFePo ₄	LYWX5100LW3

For black version, add "N" at the end of the part number.
Luminous flux decreases by 18% in black colour version.

Non Maintained

	Emergency	Dur.	Battery	Part number
	--	1 h	3.2V 1.5A/h LiFePo ₄	LYEX5070LAP
	--	3 h	3.2V 3.0A/h LiFePo ₄	LYEX5070LAP3
Wireless SmartZ®	--	1 h	3.2V 1.5A/h LiFePo ₄	LYEX5070LWP
	--	3 h	3.2V 3.0A/h LiFePo ₄	LYEX5070LWP3

For version in black colour, add an 'N' at the end of the part number.

Maintained

	Emergency	Dur.	Battery	Part number
	45 lm	1 h	3.2V 1.5A/h LiFePo ₄	LYEX5120LAP
	65 lm	3 h	3.2V 3.0A/h LiFePo ₄	LYEX5120LAP3
Wireless SmartZ®	45 lm	1 h	3.2V 1.5A/h LiFePo ₄	LYEX5120LWP
	65 lm	3 h	3.2V 3.0A/h LiFePo ₄	LYEX5120LWP3

For black version, add "N" at the end of the part number.
Luminous flux decreases by 18% in black colour version.

Maintained

	Emergency	Dur.	Battery	Part number
	45 lm	1 h	3.2V 1.5A/h LiFePo ₄	LYEX5125LAP
	65 lm	3 h	3.2V 3.0A/h LiFePo ₄	LYEX5125LAP3
Wireless SmartZ®	45 lm	1 h	3.2V 1.5A/h LiFePo ₄	LYEX5125LWP
	65 lm	3 h	3.2V 3.0A/h LiFePo ₄	LYEX5125LWP3

For black version, add "N" at the end of the part number.
Luminous flux decreases by 18% in black colour version.

Maintained



DIANA 10

	Emergency	Dur.	Battery	Part number
	390 lm	1 h	3.2V 1.8Ah LiFePo ₄	LDFX9400LA
	720 lm	1 h	6.4V 1.5Ah LiFePo ₄	LDFX9700LA
	230 lm	3 h	3.2V 3.0Ah LiFePo ₄	LDFX9230LA3
Wireless SmartZ [®]	390 lm	1 h	3.2V 1.8Ah LiFePo ₄	LDFX9400LW
	720 lm	1 h	6.4V 1.5Ah LiFePo ₄	LDFX9700LW
	230 lm	3 h	3.2V 3.0Ah LiFePo ₄	LDFX9230LW3

For version in black colour, add an 'N' at the end of the part number.
Non Maintained



DIANA IP66 10

	Emergency	Dur.	Battery	Part number
	390 lm	1 h	3.2V 1.8Ah LiFePo ₄	LXEX9400LA
	720 lm	1 h	6.4V 1.5Ah LiFePo ₄	LXEX9700LA
	230 lm	3 h	3.2V 3.0Ah LiFePo ₄	LXEX9230LA3
Wireless SmartZ [®]	390 lm	1 h	3.2V 1.8Ah LiFePo ₄	LXEX9400LW
	720 lm	1 h	6.4V 1.5Ah LiFePo ₄	LXEX9700LW
	230 lm	3 h	3.2V 3.0Ah LiFePo ₄	LXEX9230LW3

Non Maintained



ARIAN 10

	Emergency	Dur.	Battery	Part number
	450 lm	1 h	3.2V 1.8Ah LiFePo ₄	LAEX9500LA
	1 000 lm	1 h	6.4V 3.0Ah LiFePo ₄	LAEX9990LA
	230 lm	3 h	3.2V 3.0Ah LiFePo ₄	LAEX9230LA3
Wireless SmartZ [®]	450 lm	1 h	3.2V 1.8Ah LiFePo ₄	LAEX9500LW
	1 000 lm	1 h	6.4V 3.0Ah LiFePo ₄	LAEX9990LW
	230 lm	3 h	3.2V 3.0Ah LiFePo ₄	LAEX9230LW3

Non Maintained

Why EV¹⁰

Building a more sustainable world.



Less CO₂

Contributing to an endless, circular world.



Less customer cost

Less customer maintenance costs, less repair work
and less need to replace products.



Most reliable solution for saving lives

Best performing emergency lighting range in the world.
Premium components.



**The Zemper Way
to a Better World**



EVO10

Alya range is a disruptive concept in emergency lighting luminaires

Alya was designed to be small, compact and flat, whilst still very efficient and powerful.

This is thanks to the design of a specific lens for emergency lighting specially carried out by Zemper. The light distribution of the Alya is exactly what emergency lighting needs.



Alya

Alya family is composed of three types of luminaires:



· **Alya:** Luminaire to be used in surface and recessed ceiling mounted.



· **Walya:** Wall mounted luminaire



· **Exitalya:** Luminaire specially designed as exit sign which can be adapted to any position or ceiling

ALYA RANGE

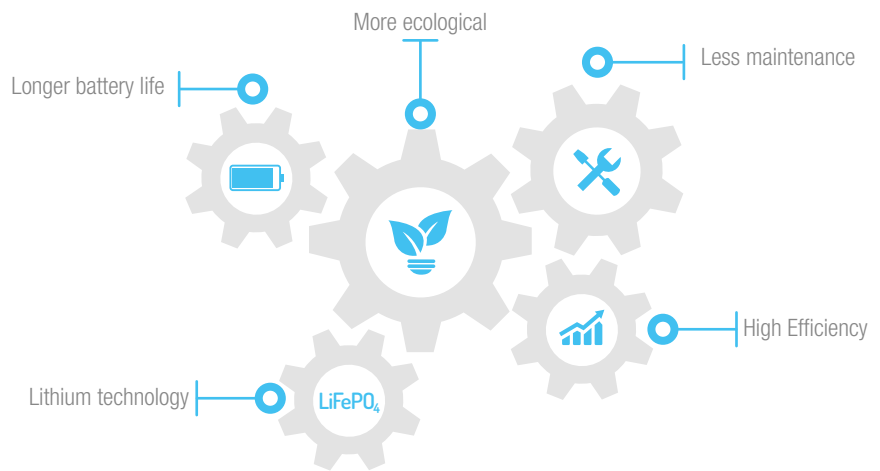


Walya

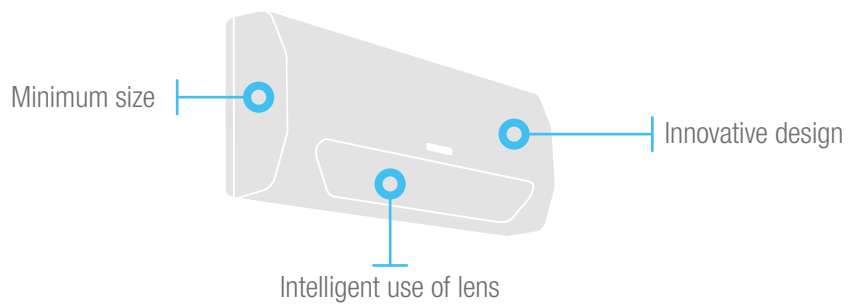
ALYA RANGE ADVANTAGES



sustainable



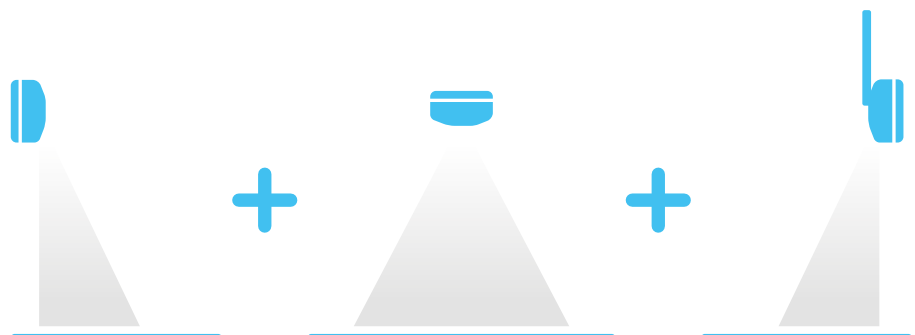
design



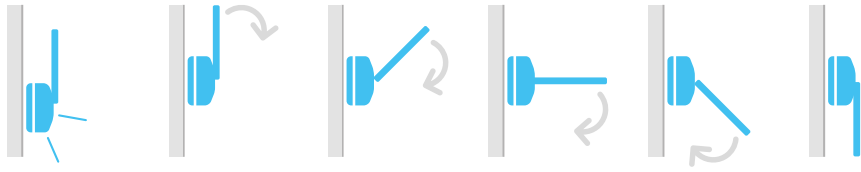
Minimalist design and perfect integration



optics



Optimisation. Optics for different objectives

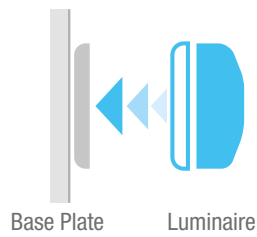


100% flexible



exit sign

Easy and quick installation



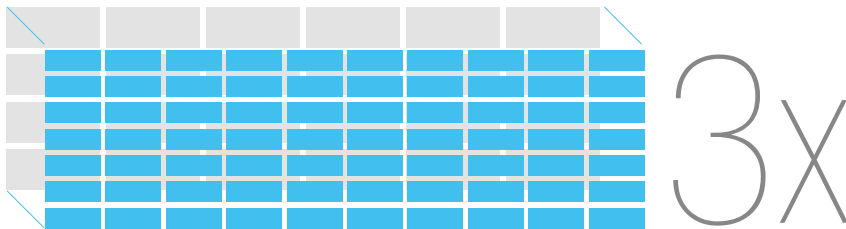
Base Plate

Luminaire

Just a "click"



quick installation



up to 60% more luminaires
in the same space



easy storage



Real size



Surface



Recessed















Recessed

ALYA

Design by
Ángel Díaz Cambrero

SPECIFICATION

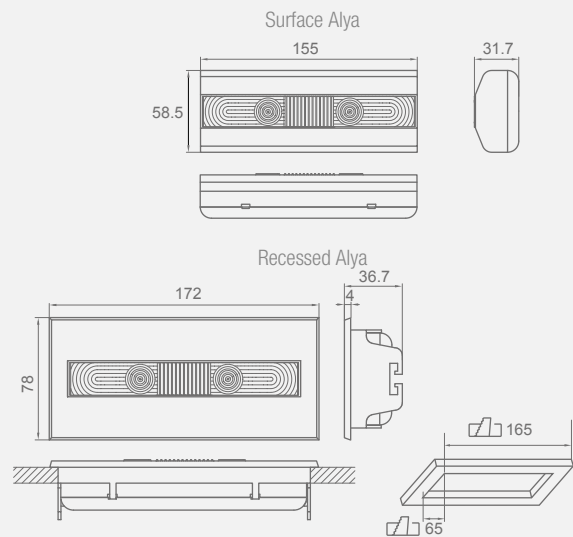
-  Polycarbonate body
-  Optics: Circular Lens + Hall Lens
-  IP42
-  IK04
-  95 lm - 600 lm
-  Duration: 1 - 3 - 8 h - Battery: Ni-CD / LiFePO₄
-  Charging time: 12/24 h according to part number
-  Supply: 230 V - 50 Hz
-  LED temperature: 4000 °K
-  Working temperature: 0 °C to +40 °C
-  AutoTest
-  SmartZ®



AutoTest, SmartZ®
& DALI-2 Lithium



DIMENSIONS (mm)



STANDARDS COMPLIANCE

- EN-60598-2-22
- AutoTest: EN-62034
- DALI-2: EN 62386
- Wireless SmartZ®: ETSI EN 303 447-1

CERTIFICATIONS

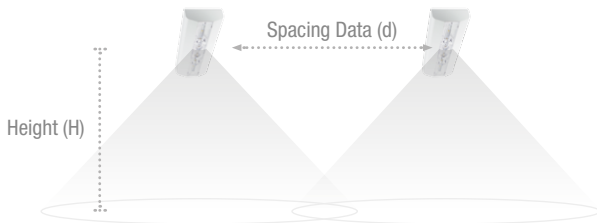


RANGE

	Emergency	Mains	Type*	Dur.	Battery	Part number
Standard	95 lm		NM	1 h	3.6V 0.3A/h Ni-Cd	LYA3100C
	225 lm		NM	1 h	3.6V 0.8A/h Ni-Cd	LYA3200C
	350 lm		NM	1 h	3.2V 1.5A/h LiFePO ₄	LYA3300LC
	600 lm		NM	1 h	6.4V 1.5A/h LiFePO ₄	LYA3600LC
	150 lm		NM	3 h	3.2V 1.5A/h LiFePO ₄	LYA3150LC3
AutoTest	95 lm		NM	1 h	3.6V 0.3A/h Ni-Cd	LYA3100X
	225 lm		NM	1 h	3.6V 0.8A/h Ni-Cd	LYA3200X
	350 lm		NM	1 h	3.2V 1.5A/h LiFePO ₄	LYA3300LX
	390 lm	235 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LYA3400LXP
	390 lm		NM	1 h	3.2V 1.5A/h LiFePO ₄	LYA3400LX
	590 lm		NM	1 h	6.4V 1.5A/h LiFePO ₄	LYA3600LX
	150 lm		NM	3 h	3.2V 1.5A/h LiFePO ₄	LYA3150LX3
	170 lm		NM	3 h	3.2V 1.5A/h LiFePO ₄	LYA3200LX3
DALI	300 lm	180 lm	M/NM	3 h	3.2V 3.0A/h LiFePO ₄	LYA3300LXP3
	390 lm	235 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LYA3400LAP
	170 lm	100 lm	M/NM	3 h	3.2V 1.5A/h LiFePO ₄	LYA3200LAP3
Wireless SmartZ®	300 lm	180 lm	M/NM	3 h	3.2V 3.0A/h LiFePO ₄	LYA3300LAP3
	390 lm	235 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LYA3400LWP
	170 lm	100 lm	M/NM	3 h	3.2V 1.5A/h LiFePO ₄	LYA3200LWP3
	300 lm	180 lm	M/NM	3 h	3.2V 3.0A/h LiFePO ₄	LYA3300LWP3
	100 lm	60 lm	M/NM	8 h	3.2V 3.0A/h LiFePO ₄	LYA3100LWP8

*NM: Non Maintained. The luminaire operates from emergency supply only upon failure of the normal mains supply.
 *M/NM: Maintained/Non Maintained. With a switch which allows to select Maintained or Non Maintained mode function.
 For black version, add "N" at the end of the part number. Luminous flux decreases by 18% in black colour version.
 The recessed frame should be ordered as accessory with part number AMY0011N (black) or AMY0011 (white)

SPACING TABLE

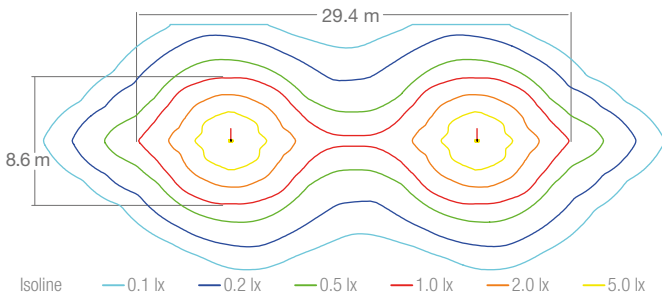


Spacing table calculated with 1 lux minimum illuminance

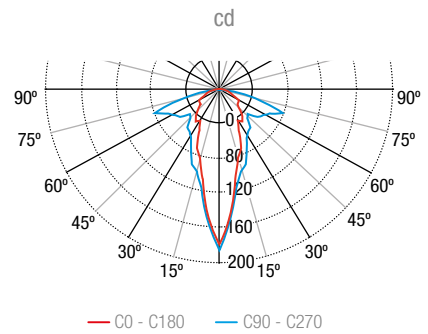
Height (H)	Spacing Data (d)	
	300 lm	390 lm
2.5 m	14.8 m	14.8 m
3 m	16.5 m	17.8 m
4 m	16.4 m	19.1 m
5 m	16.1 m	18.7 m
6 m	14.0 m	17.9 m

ISOLUX CURVE

390 lm luminaire placed at 3 m height



PHOTOMETRIC GUIDE



ACCESSORIES



AMY0011
White ceiling recessed accessory



AMY0011N
Black ceiling recessed accessory

NEW










Surface

 It allows lateral cable entry.

ALYA MAXI

Design by
Ángel Díaz Cambrero

SPECIFICATION

-  Polycarbonate body
-  Optics: Circular Lens + Hall Lens
-  IP42
-  IK04
-  100 lm - 390 lm
-  Duration: 1 - 3 - 8 h · Battery: Ni-CD / LiFePO₄
-  Charging time: 12/24 h according to part number
-  Supply: 230 V - 50 Hz
-  LED temperature: 4000 °K
-  Working temperature: 0 °C to +40 °C
-  AutoTest
-  SmartZ[®]
-  Lateral cable entry

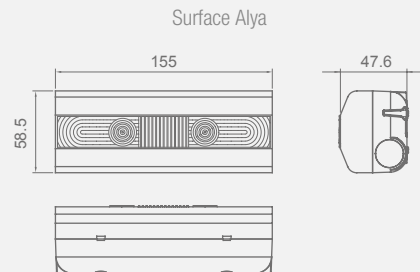


AutoTest, SmartZ[®] & DALI-2 Lithium

WARRANTY
5 YEAR

EVOCIO
WARRANTY
10 YEAR

DIMENSIONS (mm)




STANDARDS COMPLIANCE

EN-60598-2-22
AutoTest: EN-62034
DALI-2: EN 62386
Wireless SmartZ[®]: ETSI EN 303 447-1

CERTIFICATIONS

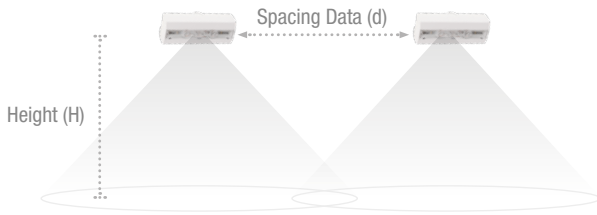


RANGE

	Emergency	Type*	Dur.	Battery	Part number
AutoTest	390 lm	NM	1 h	3.2V 1.5A/h LiFePO ₄	LYA5400LX
	390 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LYA5400LXP
	600 lm	NM	1 h	6.4V 1.5A/h LiFePO ₄	LYA5600LX
	170 lm	NM	3 h	3.2V 1.5A/h LiFePO ₄	LYA5200LX3
	300 lm	M/NM	3 h	3.2V 3.0A/h LiFePO ₄	LYA5300LXP3
	390 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LYA5400LAP
	170 lm	M/NM	3 h	3.2V 1.5A/h LiFePO ₄	LYA5200LAP3
	300 lm	M/NM	3 h	3.2V 3.0A/h LiFePO ₄	LYA5300LAP3
Wireless SmartZ®	390 lm	NM	1 h	3.2V 1.5A/h LiFePO ₄	LYA5400LW
	170 lm	NM	3 h	3.2V 1.5A/h LiFePO ₄	LYA5200LW3
	300 lm	NM	3 h	3.2V 3.0A/h LiFePO ₄	LYA5300LW3
	100 lm	NM	8 h	3.2V 3.0A/h LiFePO ₄	LYA5100LW8

*NM: Non Maintained. The luminaire operates from emergency supply only upon failure of the normal mains supply.
 *M/NM: Maintained/Non Maintained. With a switch which allows to select Maintained or Non Maintained mode function.
 For black version, add "N" at the end of the part number. Luminous flux decreases by 18% in black colour version.
 The recessed frame should be ordered as accessory with part number AMY0011N (black) or AMY0011 (white)

SPACING TABLE

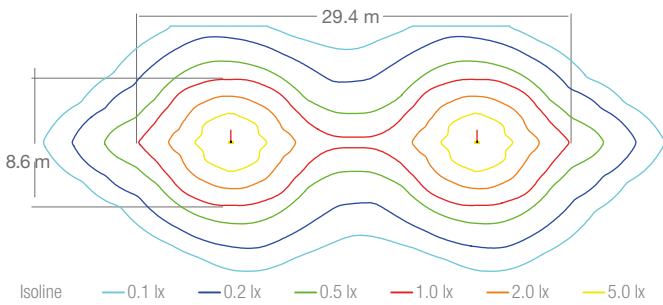


Spacing table calculated with 1 lux minimum illuminance

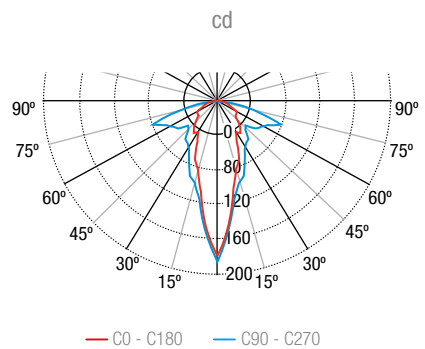
Height (H)	Spacing Data (d)	
	300 lm	390 lm
2.5 m	14.8 m	14.8 m
3 m	16.5 m	17.8 m
4 m	16.4 m	19.1 m
5 m	16.1 m	18.7 m
6 m	14.0 m	17.9 m

ISOLUX CURVE

390 lm luminaire placed at 3 m height



PHOTOMETRIC GUIDE



ACCESSORIES



AMY0011
White ceiling recessed accessory



AMY0011N
Black ceiling recessed accessory















Surface

Real size

WALYA

Design by
Ángel Díaz Cambrero

SPECIFICATION

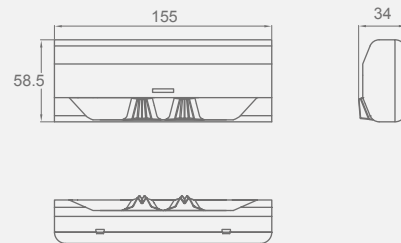
-  Polycarbonate body
-  Optics: Circular Lens + Hall Lens
-  IP42
-  IK04
-  150 lm - 300 lm
-  Duration: 1 - 3 h · Battery: LiFePO₄
-  Charging time: 12 h
-  Supply: 230 V - 50 Hz
-  LED temperature: 4000 °K
-  Working temperature: 0 °C to +40 °C
-  AutoTest
-  SmartZ®



AutoTest, SmartZ®
& DALI-2 Lithium



DIMENSIONS (mm)




STANDARDS COMPLIANCE

EN-60598-2-22
AutoTest: EN-62034
DALI-2: EN 62386
Wireless SmartZ®: ETSI EN 303 447-1

CERTIFICATIONS

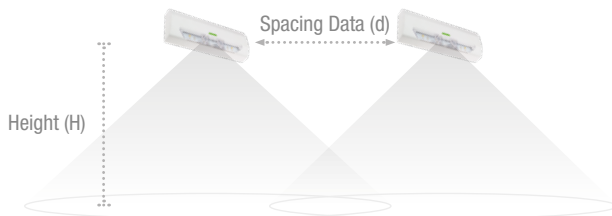


RANGE

	Emergency	Mains	Type*	Dur.	Battery	Part number
AutoTest	300 lm		NM	1 h	3.2V 1.5A/h LiFePO ₄	LYW3300LX
	150 lm		NM	3 h	3.2V 1.5A/h LiFePO ₄	LYW3150LX3
	300 lm	180 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LYW3300LAP
	150 lm	90 lm	M/NM	3 h	3.2V 1.5A/h LiFePO ₄	LYW3150LAP3
Wireless SmartZ [®]	300 lm	180 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LYW3300LWP
	300 lm		NM	1 h	3.2V 1.5A/h LiFePO ₄	LYW3300LW
	150 lm		NM	3 h	3.2V 1.5A/h LiFePO ₄	LYW3150LW3

*NM: Non Maintained. The luminaire operates from emergency supply only upon failure of the normal mains supply.
 *M/NM: Maintained/Non Maintained. With a switch which allows to select Maintained or Non Maintained mode function.
 For black version, add "N" at the end of the part number. Luminous flux decreases by 18% in black colour version.

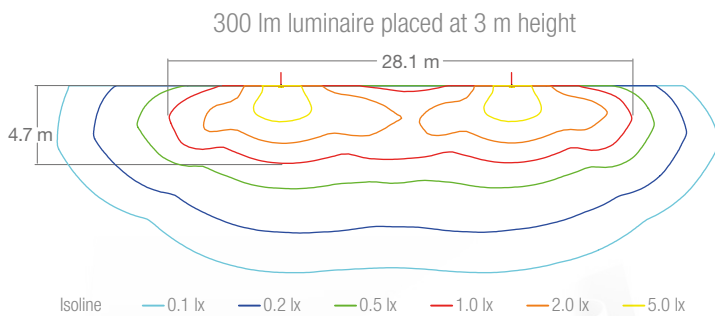
SPACING TABLE



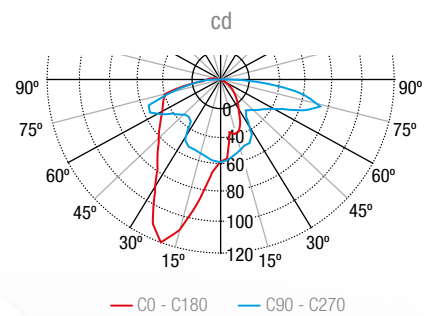
Spacing table calculated with 1 lux minimum illuminance

Height (H)	Spacing Data (d)	
	150 lm	300 lm
2.5 m	8.9 m	12.8 m
3 m	8.4 m	12.9 m
3.5 m	7.7 m	12.7 m
4 m	7.0 m	12.2 m
4.5 m	6.7 m	11.6 m

ISOLUX CURVE



PHOTOMETRIC GUIDE



NEW



Surface



 It allows lateral cable entry.

WALYA MAXI

Design by
Ángel Díaz Cambrero

SPECIFICATION



Polycarbonate body



Optics: Circular Lens + Hall Lens

IP

IP42

IK

IK04

lm

150 lm - 300 lm



Duration: 1 - 3 h · Battery: LiFePO₄



Charging time: 12 h



Supply: 230 V - 50 Hz

LED

LED temperature: 4000 °K



Working temperature: 0 °C to +40 °C



AutoTest



SmartZ[®]



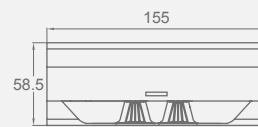
Lateral cable entry



AutoTest, SmartZ[®]
& DALI-2 Lithium



DIMENSIONS (mm)




STANDARDS COMPLIANCE

EN-60598-2-22
AutoTest: EN-62034
DALI-2: EN 62386
SmartZ[®]: ETSI EN 303 447-1

CERTIFICATIONS

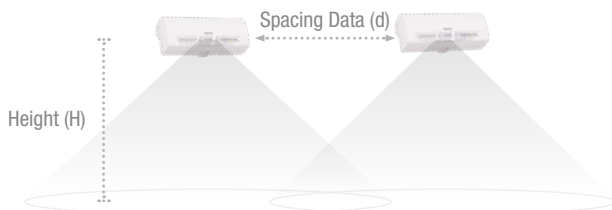


RANGE

	Emergency	Type*	Dur.	Battery	Part number
AutoTest	300 lm	NM	1 h	3.2V-1.5A/h LiFePO ₄	LYW5300LX
	150 lm	NM	3 h	3.2V-1.5A/h LiFePO ₄	LYW5150LX3
	150 lm	M/NM	3 h	3.2V-1.5A/h LiFePO ₄	LYW5150LAP3
	300 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LYW5300LAP
Wireless SmartZ®	300 lm	NM	1 h	3.2V-1.5A/h LiFePO ₄	LYW5300LW

*NM: Non Maintained. The luminaire operates from emergency supply only upon failure of the normal mains supply.
 *M/NM: Maintained/Non Maintained. With a switch which allows to select Maintained or Non Maintained mode function.
 For black version, add "N" at the end of the part number. Luminous flux decreases by 18% in black colour version.

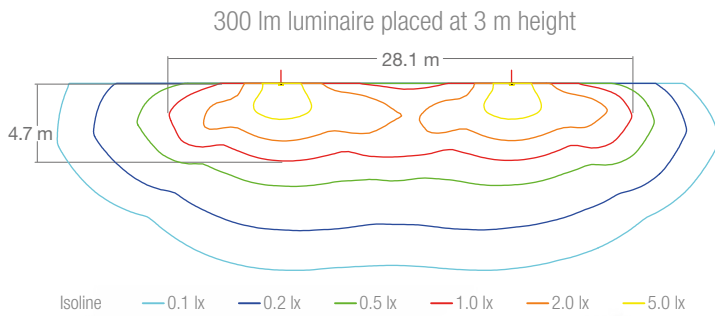
SPACING TABLE



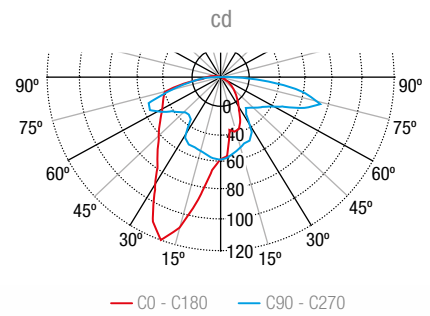
Spacing table calculated with 1 lux minimum illuminance

Height (H)	Spacing Data (d)	
	150 lm	300 lm
2.5 m	8.9 m	12.8 m
3 m	8.4 m	12.9 m
3.5 m	7.7 m	12.7 m
4 m	7.0 m	12.2 m
4.5 m	6.7 m	11.6 m

ISOLUX CURVE



PHOTOMETRIC GUIDE





EXITALYA Surface

(Surface Ceiling Mounted & Surface Wall Mounted)

Design by
Ángel Díaz Cambrero

SPECIFICATION



Polycarbonate body

IP

IP42

IK

IK04



Duration: 1 - 3 - 8 h - Battery: LiFePO₄



Charging time: 12 h



Supply: 230 V - 50 Hz

LED

LED temperature: 4000 °K



Working temperature: 0 °C to +40 °C



AutoTest



SmartZ®



STANDARDS COMPLIANCE

EN-60598-2-22

Pictographs: EN ISO7010

AutoTest: EN-62034

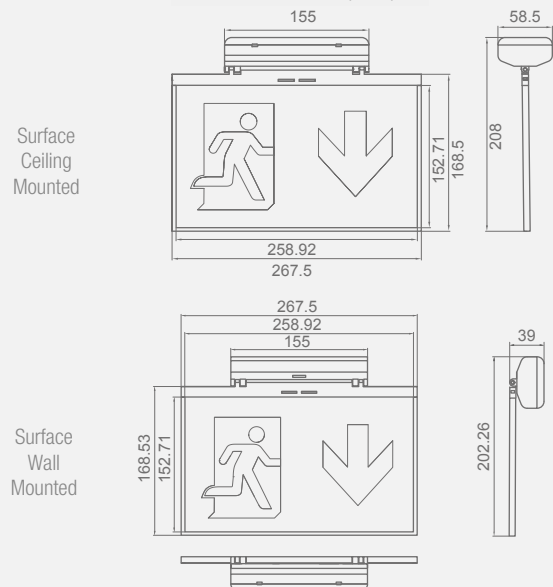
DALI-2: EN 62386

Wireless SmartZ®: ETSI EN 303 447-1

AutoTest, SmartZ®
& DALI-2 Lithium



DIMENSIONS (mm)



VIEWING DISTANCE



CERTIFICATIONS





RANGE

	Type*	Dur.	Battery	Part number
AutoTest	M	1 h	3.2V 1.0A/h LiFePO ₄	LYE3070LXP
	M	3 h	3.2V 1.5A/h LiFePO ₄	LYE3070LXP3
	M	1 h	3.2V 1.0A/h LiFePO ₄	LYE3070LAP
	M	3 h	3.2V 1.5A/h LiFePO ₄	LYE3070LAP3
Wireless SmartZ®	M	1 h	3.2V 1.0A/h LiFePO ₄	LYE3070LWP
	M	3 h	3.2V 1.5A/h LiFePO ₄	LYE3070LWP3
	M	8 h	3.2V 3.0A/h LiFePO ₄	LYE3070LWP8

*M: Maintained.

For version in black colour, add an 'N' at the end of the part number.



Wall mounted



Ceiling mounted

180° adaptable

Its specific design makes it an exign sign adaptable to any position on the surface where it is installed: ceiling, wall or sloping ceiling.

The banner is made of a very innovative self-diffusing material that provides a perfect and uniform diffusion of light.



It is supplied with a complete set of pictograms



1 unit



1 unit



2 units



1 unit (white)

NEW



Design by Ángel Díaz Cambrero



It allows lateral cable entry.

EXITALYA MAXI Surface

(Surface Ceiling Mounted & Surface Wall Mounted)

SPECIFICATION



Polycarbonate body

IP

IP42

IK

IK04



Duration: 1 - 3 - 8 h · Battery: LiFePO₄



Charging time: 12 h



Supply: 230 V - 50 Hz

LED

LED temperature: 4000 °K



Working temperature: 0 °C to +40 °C



AutoTest



SmartZ®



Lateral cable entry



STANDARDS COMPLIANCE

EN-60598-2-22

Pictographs: EN ISO7010

AutoTest: EN-62034

DALI-2: EN 62386

Wireless SmartZ®: ETSI EN 303 447-1

AutoTest, SmartZ® & DALI-2 Lithium

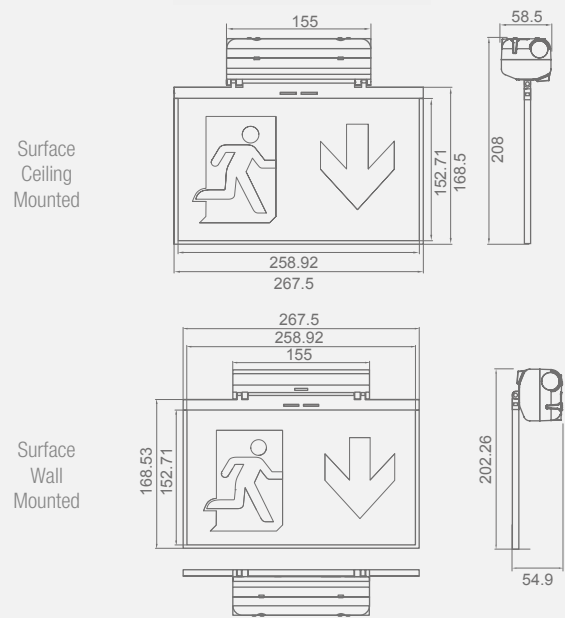
WARRANTY

5 YEAR

EVCI0 WARRANTY

10 YEAR

DIMENSIONS (mm)



VIEWING DISTANCE



CERTIFICATIONS





RANGE

	Type*	Dur.	Battery	Part number
AutoTest	M	1 h	3.2V 1.0A/h LiFePO ₄	LYE5070LXP
	M	3 h	3.2V 1.5A/h LiFePO ₄	LYE5070LXP3
	M	1 h	3.2V 1.0A/h LiFePO ₄	LYE5070LAP
	M	3 h	3.2V 1.5A/h LiFePO ₄	LYE5070LAP3
Wireless SmartZ®	M	1 h	3.2V 1.0A/h LiFePO ₄	LYE5070LWP
	M	3 h	3.2V 1.5A/h LiFePO ₄	LYE5070LWP3
	M	8 h	3.2V 3.0A/h LiFePO ₄	LYE5070LWP8

*M: Maintained.

For version in black colour, add an 'N' at the end of the part number.



Wall mounted



Ceiling mounted

180° adaptable

Its specific design makes it an exign sign adaptable to any position on the surface where it is installed: ceiling, wall or sloping ceiling.

The banner is made of a very innovative self-diffusing material that provides a perfect and uniform diffusion of light.



It is supplied with a complete set of pictograms



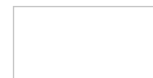
1 unit



1 unit



2 units



1 unit (white)










EXITALYA Surface Downlight

(Surface Wall Mounted)

Design by
Ángel Díaz Cambrero

SPECIFICATION

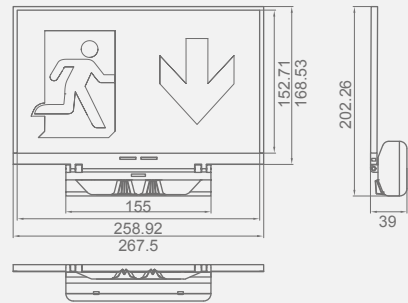
-  Polycarbonate body
-  Sign + Optics: Exit Sign + Circular Lens
- IP** IP42
- IK** IK04
- lm** 120 lm
-  Duration: 1 - 3 h · Battery: LiFePO₄
-  Charging time: 12 h
-  Supply: 230 V - 50 Hz
- LED** LED temperature: 4000 °K
-  Working temperature: 0 °C to +40 °C
-  AutoTest
-  SmartZ®



AutoTest, SmartZ®
& DALI-2 Lithium



DIMENSIONS (mm)



VIEWING DISTANCE




STANDARDS COMPLIANCE

- EN-60598-2-22
- Pictographs: EN ISO7010
- AutoTest: EN-62034
- DALI-2: EN 62386
- Wireless SmartZ®: ETSI EN 303 447-1

CERTIFICATIONS



RANGE

	Emergency	Mains	Type*	Dur.	Battery	Part number
AutoTest	120 lm	70 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LYE3120LXP
	120 lm	70 lm	M/NM	3 h	3.2V 3.0A/h LiFePO ₄	LYE3120LXP3
	120 lm	70 lm	M	1 h	3.2V 1.5A/h LiFePO ₄	LYE3120LAP
	120 lm	70 lm	M	3 h	3.2V 3.0A/h LiFePO ₄	LYE3120LAP3
Wireless SmartZ®	120 lm	70 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LYE3120LWP
	120 lm	70 lm	M/NM	3 h	3.2V 3.0A/h LiFePO ₄	LYE3120LWP3

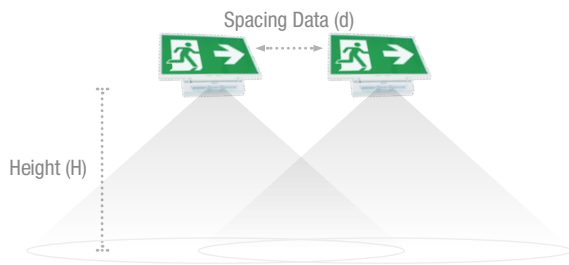
*M/NM: Maintained/Non Maintained. With a switch which allows to select Maintained or Non Maintained mode function.

*M: Maintained.

For black version, add "N" at the end of the part number. Luminous flux decreases by 18% in black colour version.

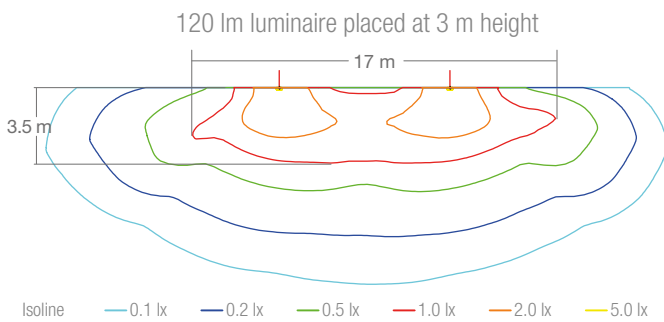
SPACING TABLE

Spacing table calculated with 1 lux minimum illuminance

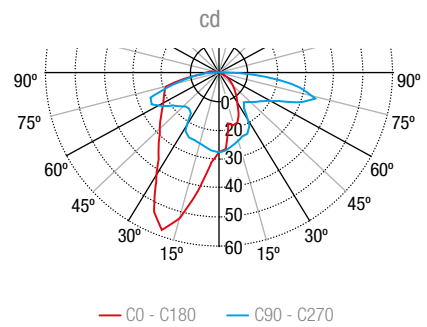


Height (H)	Spacing Data (d)
	120 lm
2.5 m	7.8 m
3 m	7.1 m
3.5 m	6.3 m
4 m	6.1 m
4.5 m	6.0 m

ISOLUX CURVE



PHOTOMETRIC GUIDE



180° adaptable

Its specific design makes it an exit sign adaptable to any position on the wall.

The banner is made of a very innovative self-diffusing material that provides a perfect and uniform diffusion of light.



It is supplied with a complete set of pictograms



1 unit



1 unit



2 units



1 unit (white)



Design by
Ángel Díaz Cambrero












 It allows lateral cable entry.

EXITALYA MAXI Surface Downlight

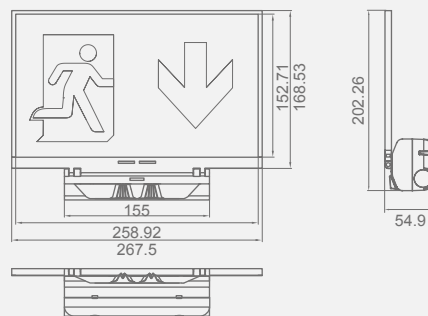
(Surface Wall Mounted)

SPECIFICATION

-  Polycarbonate body
-  Sign + Optics: Exit Sign + Circular Lens
- IP** IP42
- IK** IK04
- Im** 120 lm
-  Duration: 1 - 3 h · Battery: LiFePO₄
-  Charging time: 12 h
-  Supply: 230 V - 50 Hz
- LED** LED temperature: 4000 °K
-  Working temperature: 0 °C to +40 °C
-  AutoTest
-  SmartZ®
-  Lateral cable entry



DIMENSIONS (mm)



VIEWING DISTANCE



STANDARDS COMPLIANCE

- EN-60598-2-22
- Pictographs: EN ISO7010
- AutoTest: EN-62034
- DALI-2: EN 62386
- Wireless SmartZ®: ETSI EN 303 447-1

CERTIFICATIONS



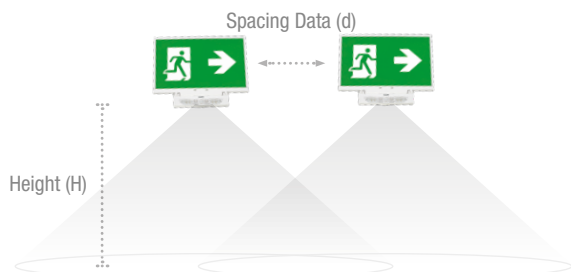
RANGE

	Emergency	Mains	Type*	Dur.	Battery	Part number
AutoTest	120 lm	70 lm	M	1 h	3.2V 1.5A/h LiFePO ₄	LYE5120LXP
	120 lm	70 lm	M	3 h	3.2V 3.0A/h LiFePO ₄	LYE5120LXP3
DALI 2	120 lm	70 lm	M	1 h	3.2V 1.5A/h LiFePO ₄	LYE5120LAP
	120 lm	70 lm	M	3 h	3.2V 3.0A/h LiFePO ₄	LYE5120LAP3
Wireless SmartZ®	120 lm	70 lm	M	1 h	3.2V 1.5A/h LiFePO ₄	LYE5120LWP
	120 lm	70 lm	M	1 h	3.2V 1.5A/h LiFePO ₄	LYE5125LWP
	120 lm	70 lm	M	3 h	3.2V 3.0A/h LiFePO ₄	LYE5120LWP3
	120 lm	70 lm	M	3 h	3.2V 3.0A/h LiFePO ₄	LYE5125LWP3

*M: Maintained.

For black version, add "N" at the end of the part number. Luminous flux decreases by 18% in black colour version.

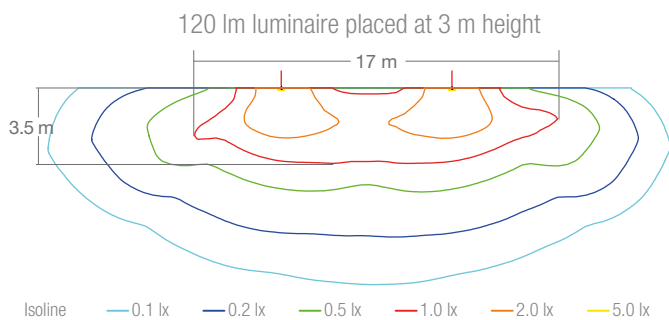
SPACING TABLE



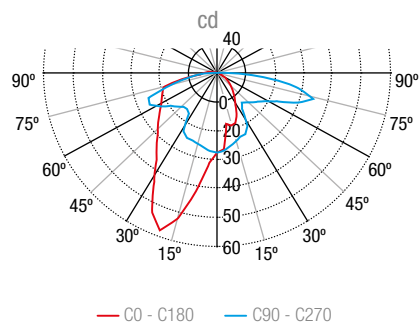
Spacing table calculated with 1 lux minimum illuminance

Height (H)	Spacing Data (d)
	120 lm
2.5 m	7.8 m
3 m	7.1 m
3.5 m	6.3 m
4 m	6.1 m
4.5 m	6.0 m

ISOLUX CURVE



PHOTOMETRIC GUIDE



180° adaptable

Its specific design makes it an exit sign adaptable to any position on the wall.

The banner is made of a very innovative self-diffusing material that provides a perfect and uniform diffusion of light.



It is supplied with a complete set of pictograms














EXITALYA Recessed

(Recessed Wall Mounted & Ceiling Recessed Mounted)

Design by
Ángel Díaz Cambrero

SPECIFICATION

-  Polycarbonate body
-  IP42
-  IK04
-  Duration: 1 - 3 - 8 h · Battery: LiFePO₄
-  Charging time: 12 h
-  Supply: 230 V - 50 Hz
-  LED temperature: 4000 °K
-  Working temperature: 0 °C to +40 °C
-  AutoTest
-  SmartZ[®]



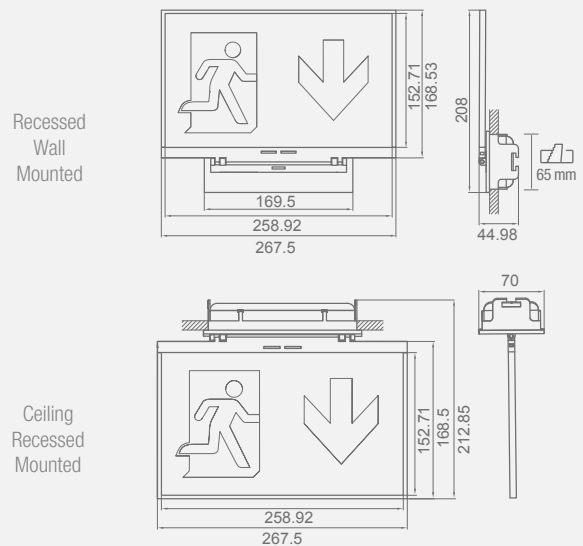
STANDARDS COMPLIANCE

EN-60598-2-22
Pictographs: EN ISO7010
AutoTest: EN-62034
DALI-2: EN 62386
Wireless SmartZ[®]: ETSI EN 303 447-1

AutoTest, SmartZ[®]
& DALI-2 Lithium



DIMENSIONS (mm)




VIEWING DISTANCE



CERTIFICATIONS



RANGE

	Type*	Dur.	Battery	Part number
AutoTest	M	1 h	3.2V 1.0A/h LiFePO ₄	LYR3070LXP
	M	3 h	3.2V 1.5A/h LiFePO ₄	LYR3070LXP3
	M	1 h	3.2V 1.0A/h LiFePO ₄	LYR3070LAP
	M	3 h	3.2V 1.5A/h LiFePO ₄	LYR3070LAP3
Wireless SmartZ®	M	1 h	3.2V 1.0A/h LiFePO ₄	LYR3070LWP
	M	3 h	3.2V 1.5A/h LiFePO ₄	LYR3070LWP3
	M	8 h	3.2V 3.0A/h LiFePO ₄	LYR3070LWP8

*M: Maintained.

For version in black colour, add an 'N' at the end of the reference part number.



180° adaptable

Its specific design makes it an exign sign adaptable to any position on the surface where it is installed: ceiling, wall or sloping ceiling.

The banner is made of a very innovative self-diffusing material that provides a perfect and uniform diffusion of light.



It is supplied with a complete set of pictograms



1 unit



1 unit



2 units



1 unit (white)











EXITALYA Red

(Surface Wall Mounted)

Design by
Ángel Díaz Cambrero

SPECIFICATION

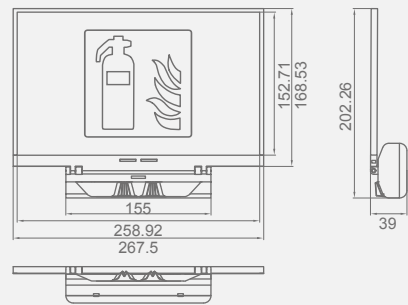
-  Polycarbonate body
-  Sign + Optics: Exit Sign + Circular Lens
- IP** IP42
- IK** IK04
- lm** 120 lm
-  Duration: 1 - 3 h · Battery: LiFePO₄
-  Charging time: 12 h
-  Supply: 230 V - 50 Hz
- LED** LED temperature: 4000 °K
-  Working temperature: 0 °C to +40 °C
-  AutoTest
-  SmartZ®



AutoTest, SmartZ®
& DALI-2 Lithium



DIMENSIONS (mm)



VIEWING DISTANCE




STANDARDS COMPLIANCE

EN-60598-2-22
Pictographs: EN ISO7010
AutoTest: EN-62034
DALI-2: EN 62386
Wireless SmartZ®: ETSI EN 303 447-1

CERTIFICATIONS



RANGE

	Emergency	Mains	Type*	Dur.	Battery	Part number
AutoTest	120 lm	70 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LYE3125LXP
	120 lm	70 lm	M/NM	3 h	3.2V 3.0A/h LiFePO ₄	LYE3125LXP3
	120 lm	70 lm	M	1 h	3.2V 1.5A/h LiFePO ₄	LYE3125LAP
	120 lm	70 lm	M	3 h	3.2V 3.0A/h LiFePO ₄	LYE3125LAP3
Wireless SmartZ [®]	120 lm	70 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LYE3125LWP
	120 lm	70 lm	M/NM	3 h	3.2V 3.0A/h LiFePO ₄	LYE3125LWP3

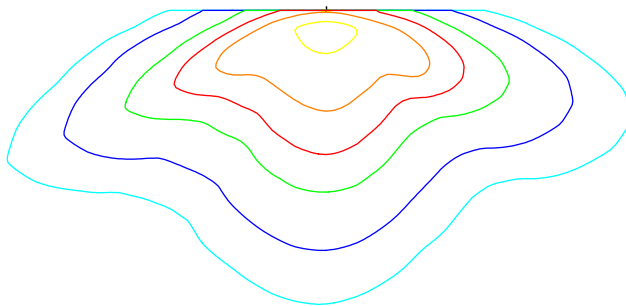
*M/NM: Maintained/Non Maintained. With a switch which allows to select Maintained or Non Maintained mode function.

*M: Maintained.

For black version, add "N" at the end of the part number. Luminous flux decreases by 18% in black colour version.

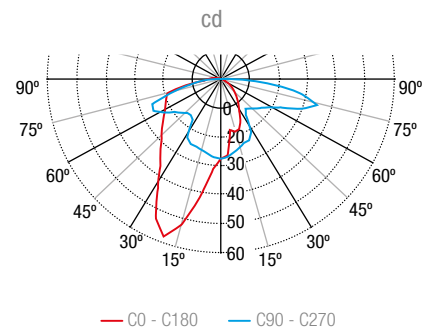
ISOLUX CURVE

120 lm luminaire placed at 3 m height showing isolines output at 1.5 m nearby PCIs



Isoline — 0.1 lx — 0.2 lx — 0.5 lx — 1.0 lx — 2.0 lx — 5.0 lx

PHOTOMETRIC GUIDE



180° adaptable

Its specific design makes it an exit sign adaptable to any position on the wall.

The banner is made of a very innovative self-diffusing material that provides a perfect and uniform diffusion of light.



It is supplied with a complete set of pictograms



1 unit

1 unit

1 unit

1 unit (white)

NEW












 It allows lateral cable entry.

EXITALYA MAXI Red

(Surface Wall Mounted)

Design by
Ángel Díaz Cambrero

SPECIFICATION

-  Polycarbonate body
-  Sign + Optics: Exit Sign + Circular Lens
- IP** IP42
- IK** IK04
- Im** 120 lm
-  Duration: 1 - 3 h · Battery: LiFePO₄
-  Charging time: 12 h
-  Supply: 230 V - 50 Hz
- LED** LED temperature: 4000 °K
-  Working temperature: 0 °C to +40 °C
-  AutoTest
-  SmartZ[®]
-  Lateral cable entry

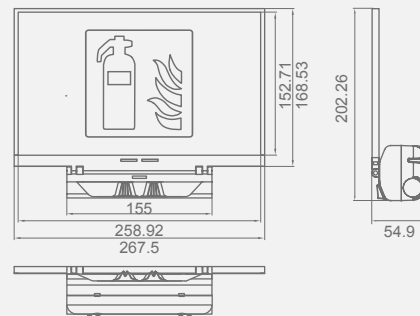


AutoTest, SmartZ[®]
& DALI-2 Lithium

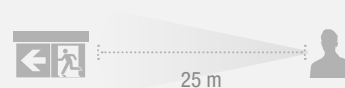
WARRANTY
5 YEAR

EVOCIO
WARRANTY
10 YEAR

DIMENSIONS (mm)



VIEWING DISTANCE




STANDARDS COMPLIANCE

- EN-60598-2-22
- Pictographs: EN ISO7010
- AutoTest: EN-62034
- DALI-2: EN 62386
- Wireless SmartZ[®]: ETSI EN 303 447-1

CERTIFICATIONS



RANGE

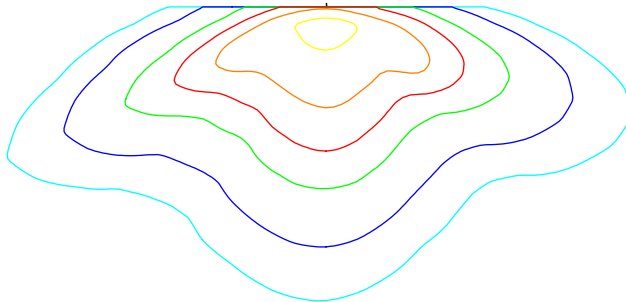
	Emergency	Type*	Dur.	Battery	Part number
AutoTest	120 lm	M	1 h	3.2V 1.5A/h LiFePO ₄	LYE5125LXP
	120 lm	M	3 h	3.2V 3.0A/h LiFePO ₄	LYE5125LXP3
	120 lm	M	1 h	3.2V 1.5A/h LiFePO ₄	LYE5125LAP
	120 lm	M	3 h	3.2V 3.0A/h LiFePO ₄	LYE5125LAP3
Wireless SmartZ [®]	120 lm	M	1 h	3.2V 1.5A/h LiFePO ₄	LYE5125LWP
	120 lm	M	3 h	3.2V 3.0A/h LiFePO ₄	LYE5125LWP3

*M: Maintained.

For black version, add "N" at the end of the part number. Luminous flux decreases by 18% in black colour version.

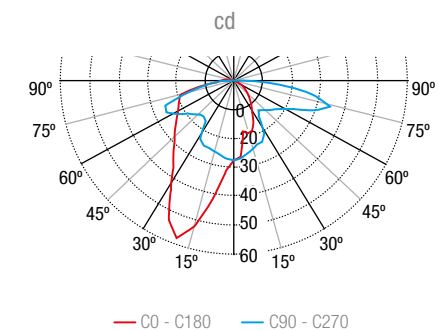
ISOLUX CURVE

120 lm luminaire placed at 3 m height showing isolines output at 1.5 m nearby PCIs



Isoline — 0.1 lx — 0.2 lx — 0.5 lx — 1.0 lx — 2.0 lx — 5.0 lx

PHOTOMETRIC GUIDE



180° adaptable

Its specific design makes it an exit sign adaptable to any position on the wall. The banner is made of a very innovative self-diffusing material that provides a perfect and uniform diffusion of light.



It is supplied with a complete set of pictograms



1 unit

1 unit

1 unit

1 unit (white)





NEW



EXTYLE

SPECIFICATION



Body: Sheet Iron · Finish: Grey RAL9006



Diffuser: Methacrylate

IP

IP42

IK

IK04



Duration: 1 - 3 h · Battery: LiFePO₄



Charging time: 12 h



Supply: 230 V - 50 Hz

LED

LED temperature: 6000 °K



Working temperature: 0 °C to +40 °C



AutoTest



Class: I



Mode: M/NM



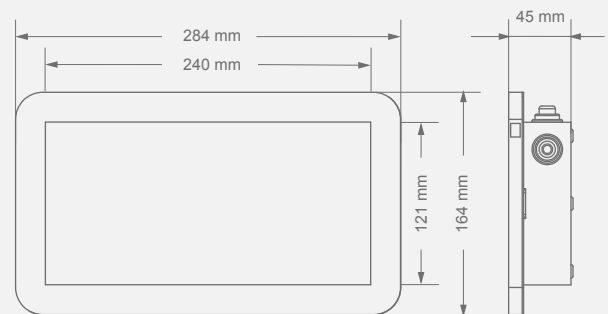
Suitable for flammable surfaces: Yes



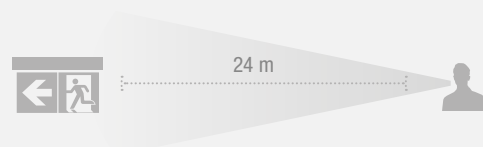
AutoTest, SmartZ[®]
& DALI-2 Lithium



DIMENSIONS (mm)



VIEWING DISTANCE



STANDARDS COMPLIANCE

EN-60598-1, EN-60598-2-22, EN 61347-2-7,
EN 61347-2-13, EN 1838, ISO 7010

AutoTest: EN-62034

DALI-2: EN 62386

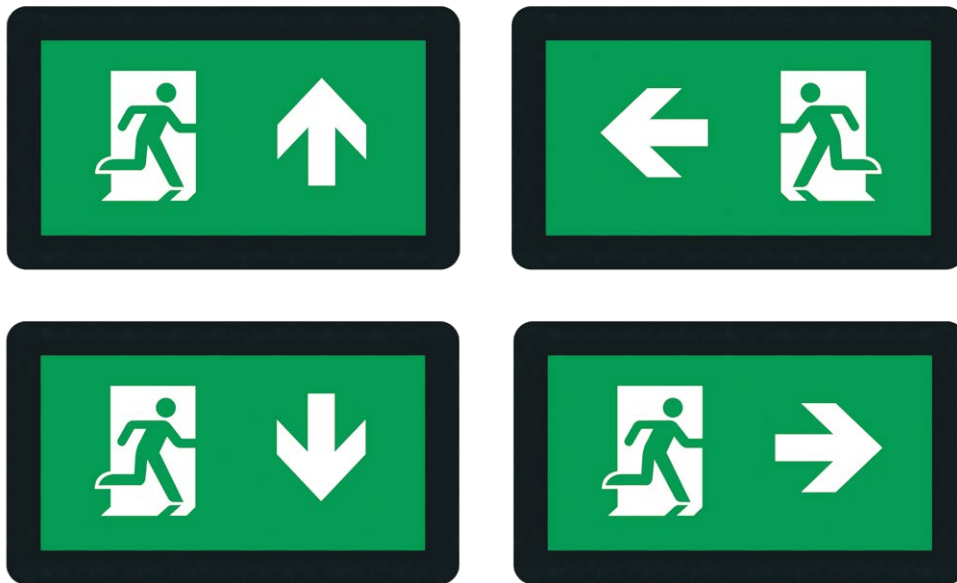
CERTIFICATIONS



RANGE

	Type	Dur.	Battery	Part Number
Autotest / 	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LEX3070LAP
	M/NM	3 h	3.2V 1.8A/h LiFePO ₄	LEX3070LAP3

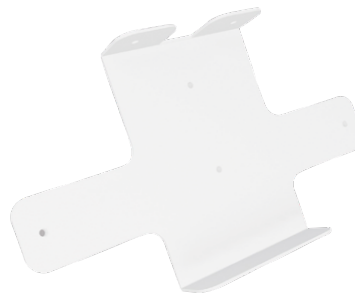
M/NM: Maintained/Non Maintained. With a switch which allows selecting the Maintained or Non Maintained mode function, via jumper on a terminal strip.
It is supplied with a complete set of pictograms (up, down, and right/left arrow).



ACCESSORIES



· APX001 - Flag Mounting Accessory.



· ATX001 - Ceiling Surface Accessory.



Possibilities of installation: Wall Surface, Ceiling Surface and Flag Mounting.

Possibility of connection with: Surface tube wiring. Connection via Ø6mm hose or Ø16mm or Ø20mm tube (3 inputs).

Tablet-style legend pictogram.

Simple and toolless legend installation thanks to the magnetic frame to be placed on the body.

Bus available for **DALI-2 communication**.

Warranty: **5 years**.



Flag mounting

OPERATING CHARACTERISTICS



Green LED: OK.



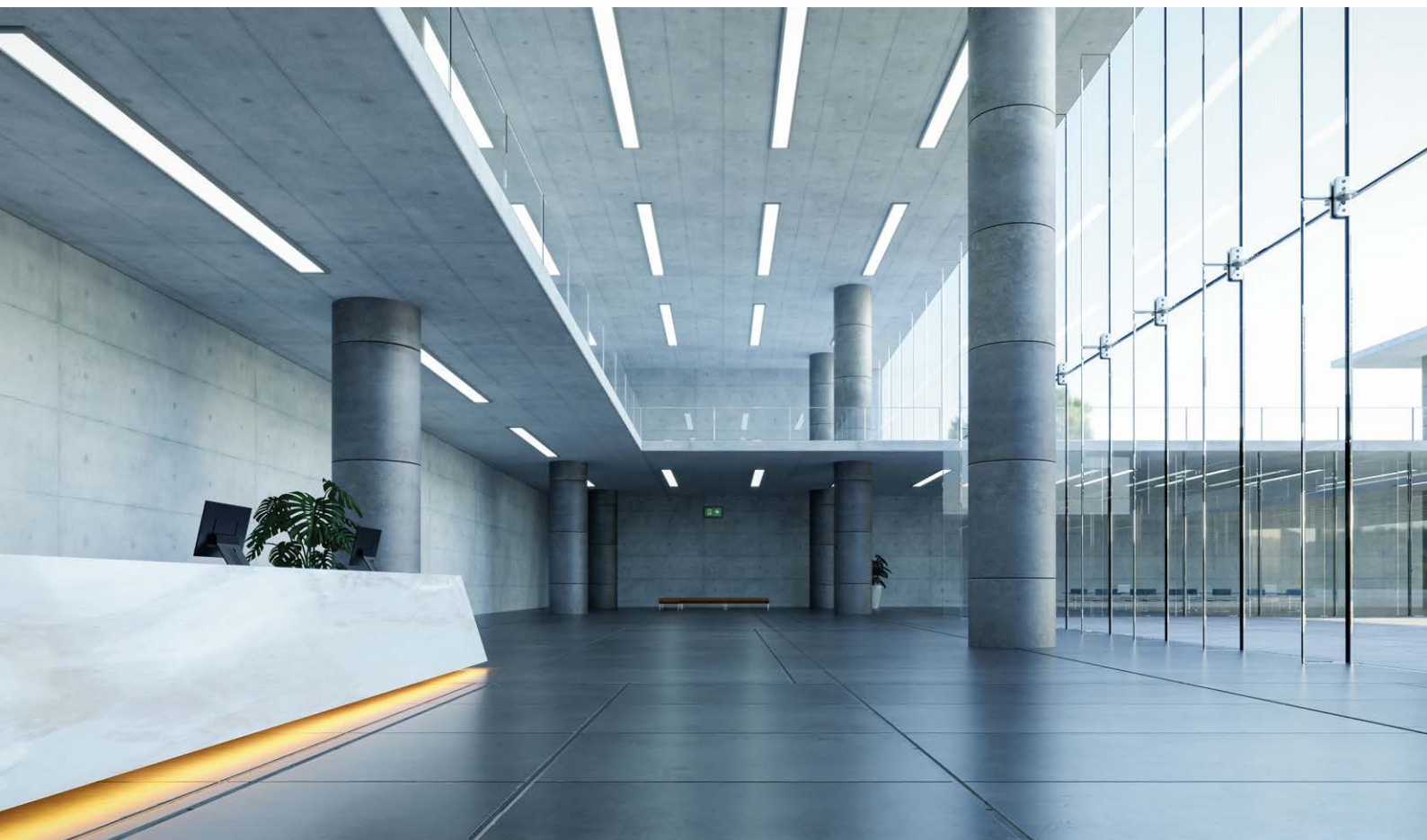
LED off: Emergency operation failure or mains failure or defective LED or defective unit.



Yellow LED flashing: Battery charging.
Functional failure.



Yellow LED: Battery connection failure.



Ceiling surface

EXTYLE

ZEMPER



Wall surface



Flag mounting



HARENA

SPECIFICATION



Polycarbonate body



Circular Lens (LEDs version)

IP

IP42

IK

IK04



Duration: 1 - 3 - 8 h - Battery: LiFePO₄



Charging time: 12 h



Supply: 230 V - 50 Hz

LED

LED temperature: 4000 °K



Working temperature: 0 °C to +40 °C



AutoTest

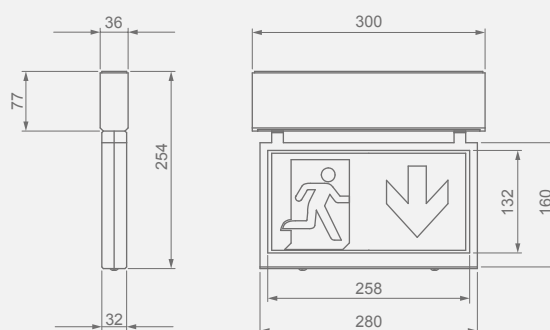


SmartZ®

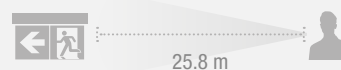
AutoTest, SmartZ®
& DALI-2 Lithium



DIMENSIONS (mm)



VIEWING DISTANCE



STANDARDS COMPLIANCE

EN-60598-2-22
Pictographs: EN ISO7010
AutoTest: EN-62034
Wireless SmartZ®: ETSI EN 303 447-1

CERTIFICATIONS



RANGE

	Type*	Dur.	Battery	Part number
AutoTest	M	1 h	3.2V 1.0A/h LiFePO ₄	LHS3070LXP
	M	3 h	3.2V 1.5A/h LiFePO ₄	LHS3070LXP3
Wireless SmartZ [®]	M	1 h	3.2V 1.0A/h LiFePO ₄	LHS3070LWP
	M	3 h	3.2V 1.5A/h LiFePO ₄	LHS3070LWP3
	M	8 h	3.2V 3.0A/h LiFePO ₄	LHS3070LWP8

*M: Maintained.

ACCESSORIES

It is supplied with a complete set of green pictograms



1 unit



2 units



1 unit







1 unit





HARENA WITH DOWNLIGHT

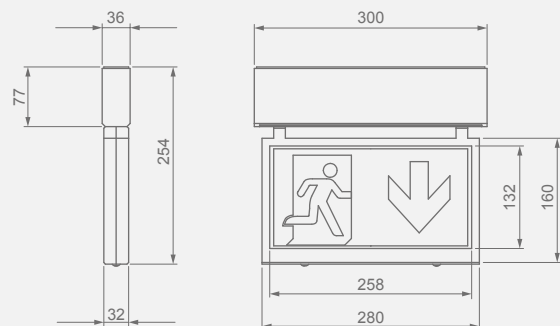
SPECIFICATION

-  Polycarbonate body
-  Circular Lens (LEDs version)
-  IP42
-  IK04
-  50 lm - 120 lm
-  Duration: 1 - 3 - 8 h · Battery: LiFePO₄
-  Charging time: 12 h
-  Supply: 230 V - 50 Hz
-  LED temperature: 4000 °K
-  Working temperature: 0 °C to +40 °C
-  AutoTest
-  SmartZ®

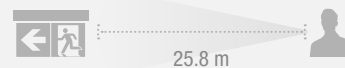
AutoTest, SmartZ®
& DALI-2 Lithium



DIMENSIONS (mm)



VIEWING DISTANCE



STANDARDS COMPLIANCE

EN-60598-2-22
Pictographs: EN ISO7010
AutoTest: EN-62034
Wireless SmartZ®: ETSI EN 303 447-1

CERTIFICATIONS

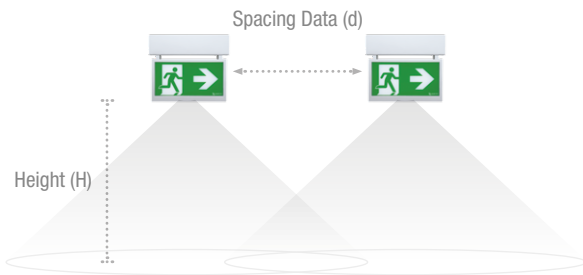


RANGE

	Emer.	Mains	Type*	Dur.	Battery	Part number
AutoTest	120 lm	70 lm	M	1 h	3.2V 1.5A/h LiFePO ₄	LHS3120LXP
	120 lm	70 lm	M	3 h	3.2V 3.0A/h LiFePO ₄	LHS3120LXP3
Wireless SmartZ®	120 lm	70 lm	M	1 h	3.2V 1.5A/h LiFePO ₄	LHS3120LWP
	120 lm	70 lm	M	3 h	3.2V 3.0A/h LiFePO ₄	LHS3120LWP3
	50 lm	50 lm	M	8 h	3.2V 3.0A/h LiFePO ₄	LHS3050LWP8

*M: Maintained.

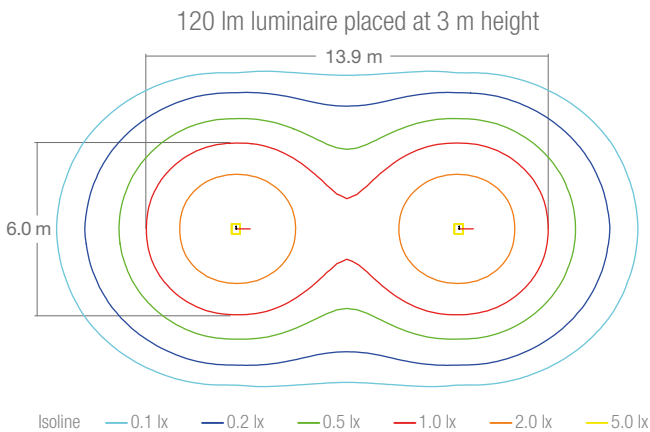
SPACING TABLE



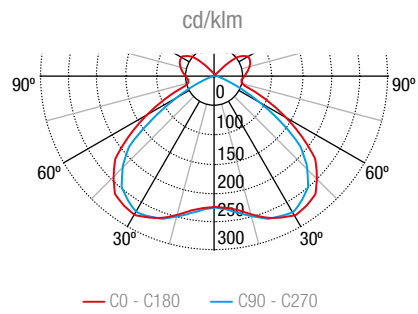
Spacing table calculated with 1 lux minimum illuminance

Height (H)	Spacing Data (d)
	120 lm
2.5 m	7.7 m
3 m	8.3 m
4 m	9.0 m
5 m	9.1 m
6 m	6.5 m

ISOLUX CURVE



PHOTOMETRIC GUIDE



ACCESSORIES

It is supplied with a complete set of green pictograms



For other pictograms, please see part numbers below



Included



Under request



Under request



Under request



KONS

SPECIFICATION



Polycarbonate body

IP

IP42

IK

IK04



Duration: 1 - 3 h · Battery: LiFePO₄



Charging time: 12 h



Supply: 230 V - 50 Hz

LED

LED temperature: 4000 °K



Working temperature: 0 °C to +40 °C



AutoTest



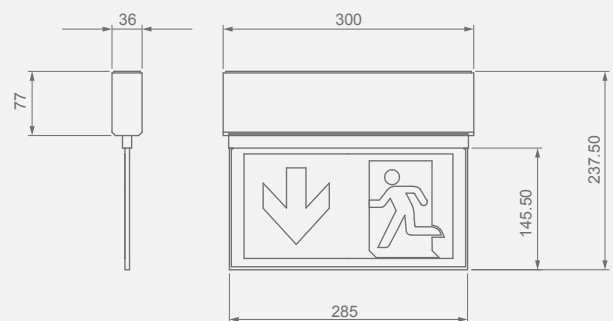
SmartZ®



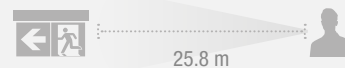
AutoTest, SmartZ®
& DALI-2 Lithium



DIMENSIONS (mm)



VIEWING DISTANCE




STANDARDS COMPLIANCE

EN-60598-2-22
Pictographs: EN ISO7010
AutoTest: EN-62034
DALI-2: EN 62386
Wireless SmartZ®: ETSI EN 303 447-1

CERTIFICATIONS



RANGE

	Type*	Dur.	Battery	Part number
AutoTest	M	1 h	3.2V 1.0A/h LiFePO ₄	LKS3070LXP
	M	3 h	3.2V 1.5A/h LiFePO ₄	LKS3070LXP3
	M	1 h	3.2V 1.0A/h LiFePO ₄	LKS9070LAP
	M	3 h	3.2V 1.5A/h LiFePO ₄	LKS9070LAP3
Wireless SmartZ®	M	1 h	3.2V 1.0A/h LiFePO ₄	LKS3070LWP
	M	3 h	3.2V 1.5A/h LiFePO ₄	LKS3070LWP3

*M: Maintained.

ACCESSORIES

It is supplied with a complete set of pictograms



1 unit



2 units



1 unit





Please refer to range table for part numbers

SPAZIO SIGN

SPECIFICATION



Polycarbonate body

IP

IP40

IK

IK04



Duration: 1 - 3 h · Battery: LiFePO₄



Charging time: 12 h



Supply: 230 V - 50 Hz

LED

LED temperature: 4000 °K



Working temperature: 0 °C to +40 °C



AutoTest



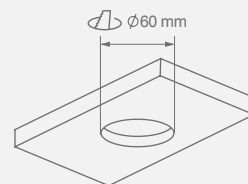
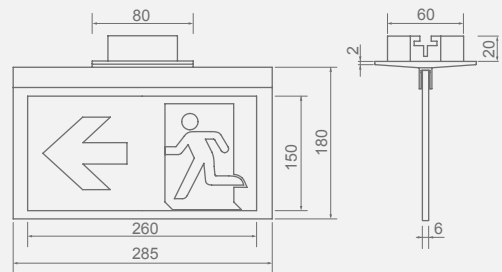
STANDARDS COMPLIANCE

EN-60598-2-22
 Pictographs: EN ISO7010
 AutoTest: EN-62034
 DALI-2: EN 62386

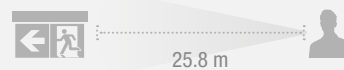
AutoTest, SmartZ[®]
 & DALI-2 Lithium



DIMENSIONS (mm)



VIEWING DISTANCE



CERTIFICATIONS



RANGE

	Type*	Pictogram	Dur.	Battery	Part number
AutoTest	M	Right / Left	1 h	3.2V 1.0A/h LiFePO ₄	LSS3045LXP
	M	Up / Down	1 h	3.2V 1.0A/h LiFePO ₄	LSS3046LXP
	M	Right / Left	3 h	3.2V 1.5A/h LiFePO ₄	LSS3045LXP3
	M	Up / Down	3 h	3.2V 1.5A/h LiFePO ₄	LSS3046LXP3
	M	Right / Left	1 h	3.2V 1.0A/h LiFePO ₄	LSS3045LAP
	M	Up / Down	1 h	3.2V 1.0A/h LiFePO ₄	LSS3046LAP
	M	Right / Left	3 h	3.2V 1.5A/h LiFePO ₄	LSS3045LAP3
	M	Up / Down	3 h	3.2V 1.5A/h LiFePO ₄	LSS3046LAP3

*M: Maintained.

















SPAC10

IP54 IK04

SPECIFICATION

-  Polycarbonate body
-  Available with 5 different lens
-  IP54
-  IK04
-  250 lm - 470 lm
-  Duration: 1 - 3 h · Battery: LiFePO₄
-  Charging time: 12 h / 24 h (Cold)
-  Supply: 230 V - 50 Hz
-  LED temperature: 4000 °K
-  Working temperature: 0 °C to +40 °C
-  AutoTest
-  SmartZ[®]

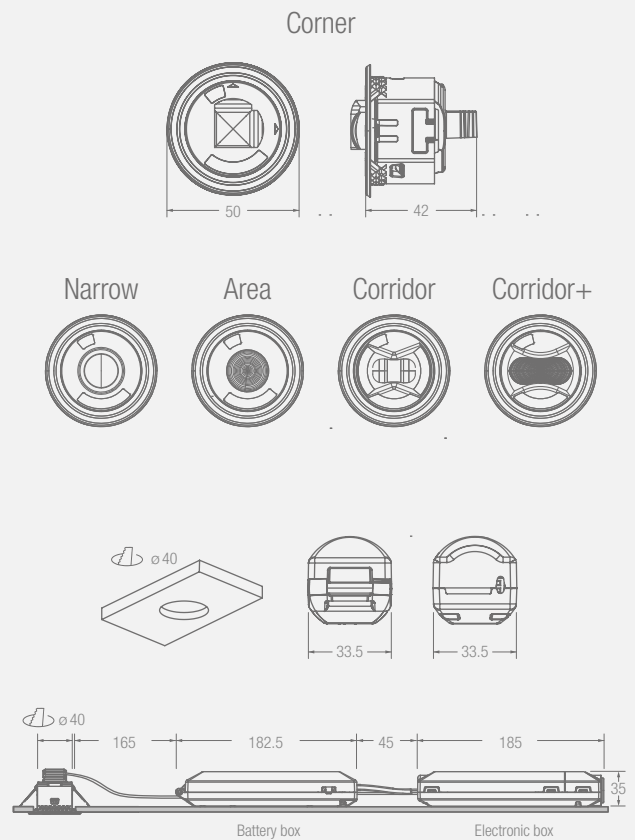


STANDARDS COMPLIANCE

EN-60598-2-22
 DALI-2: EN 62386
 Wireless SmartZ[®]: ETSI EN 303 447-1



DIMENSIONS (mm)




CERTIFICATIONS



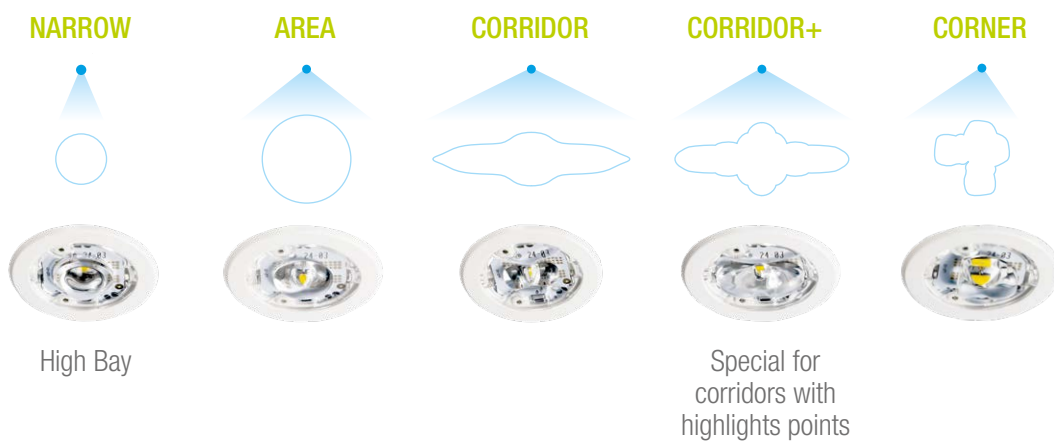


RANGE

	Emergency	Dur.	LED	Battery	Lens	Part number
	290 lm	1 h	3 W	6.4V 1.5A/h LiFePo ₄	Area	LSLX3300LA
	420 lm	1 h	10 W	6.4V 1.5A/h LiFePo ₄	Narrow	LSLX3404LA
	420 lm	1 h	10 W	6.4V 1.5A/h LiFePo ₄	Corner	LSLX3403LA
	440 lm	1 h	10 W	6.4V 1.5A/h LiFePo ₄	Corridor+	LSLX3402LA
	470 lm	1 h	10 W	6.4V 1.5A/h LiFePo ₄	Area	LSLX3500LA
	250 lm	3 h	3 W	6.4V 3.0A/h LiFePo ₄	Corridor	LSLX3251LA3
	290 lm	3 h	3 W	6.4V 3.0A/h LiFePo ₄	Area	LSLX3300LA3
	400 lm	3 h	10 W	6.4V 4.0A/h LiFePo ₄	Corner	LSLX3403LA3
	400 lm	3 h	10 W	6.4V 4.0A/h LiFePo ₄	Narrow	LSLX3404LA3
	420 lm	3 h	10 W	6.4V 4.0A/h LiFePo ₄	Corridor+	LSLX3402LA3
450 lm	3 h	10 W	6.4V 4.0A/h LiFePo ₄	Area	LSLX3500LA3	
Wireless SmartZ®	250 lm	1 h	3 W	6.4V 1.5A/h LiFePo ₄	Corridor	LSLX3251LW
	290 lm	1 h	3 W	6.4V 1.5A/h LiFePo ₄	Area	LSLX3300LW
	420 lm	1 h	10 W	6.4V 1.5A/h LiFePo ₄	Narrow	LSLX3404LW
	420 lm	1 h	10 W	6.4V 1.5A/h LiFePo ₄	Corner	LSLX3403LW
	440 lm	1 h	10 W	6.4V 1.5A/h LiFePo ₄	Corridor+	LSLX3402LW
	470 lm	1 h	10 W	6.4V 1.5A/h LiFePo ₄	Area	LSLX3500LW
	250 lm	3 h	3 W	6.4V 3.0A/h LiFePo ₄	Corridor	LSLX3251LW3
	290 lm	3 h	3 W	6.4V 3.0A/h LiFePo ₄	Area	LSLX3300LW3
	400 lm	3 h	10 W	6.4V 4.0A/h LiFePo ₄	Corner	LSLX3403LW3
	400 lm	3 h	10 W	6.4V 4.0A/h LiFePo ₄	Narrow	LSLX3404LW3
	420 lm	3 h	10 W	6.4V 4.0A/h LiFePo ₄	Corridor+	LSLX3402LW3
	450 lm	3 h	10 W	6.4V 4.0A/h LiFePo ₄	Area	LSLX3500LW3

Non Maintained

5 lens options:

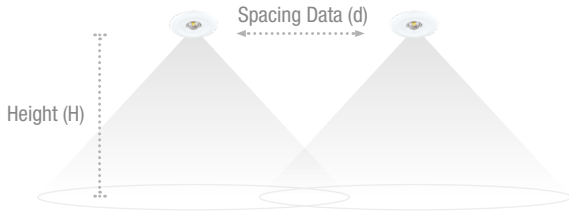


SPAC10

ZEMPER

SPACING TABLE

Spacing table calculated with 1 lux minimum illuminance



NARROW



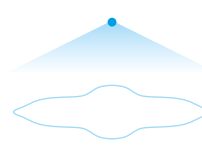
Height (H)	Spacing Data (d)
	420 lm
6 m	9.4 m
8 m	11.2 m
10 m	13.3 m
12 m	14.9 m
14 m	16.2 m

AREA



Height (H)	Spacing Data (d)	
	290 lm	470 lm
2.5 m	13.0 m	14.9 m
3 m	14.6 m	16.7 m
4 m	17.2 m	19.3 m
5 m	16.7 m	21.6 m
6 m	11.2 m	20.3 m

CORRIDOR



Height (H)	Spacing Data (d)
	250 lm
2.5 m	24.8 m
3 m	27.1 m
4 m	31.1 m
5 m	33.4 m
6 m	18.2 m

CORRIDOR+



Height (H)	Spacing Data (d)
	440 lm
2.5 m	23.6 m
3 m	26.7 m
4 m	32.2 m
5 m	35.4 m
6 m	35.5 m

CORNER

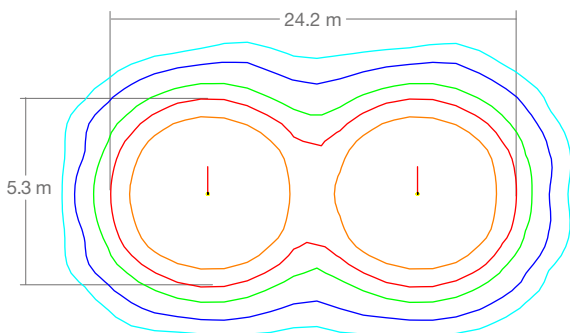


Height (H)	Spacing Data (d)
	420 lm
2.5 m	13.7 m
3 m	15.4 m
4 m	18.3 m
5 m	20.6 m
6 m	22.3 m

ISOLUX CURVE

NARROW

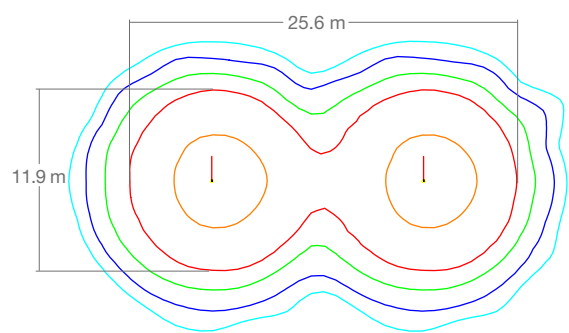
420 lm luminaire placed at 10 m height



Isoline — 0.1 lx — 0.2 lx — 0.5 lx — 1.0 lx — 2.0 lx — 5.0 lx

AREA

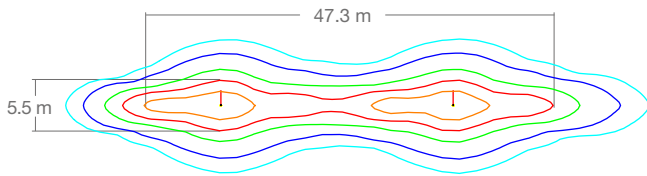
290 lm luminaire placed at 3 m height



Isoline — 0.1 lx — 0.2 lx — 0.5 lx — 1.0 lx — 2.0 lx — 5.0 lx

CORRIDOR

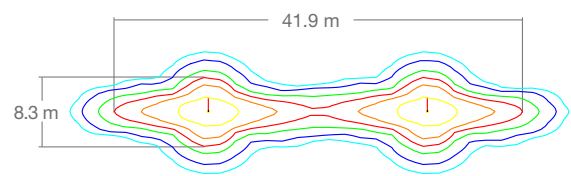
250 lm luminaire placed at 3 m height



Isoline — 0.1 lx — 0.2 lx — 0.5 lx — 1.0 lx — 2.0 lx — 5.0 lx

CORRIDOR+

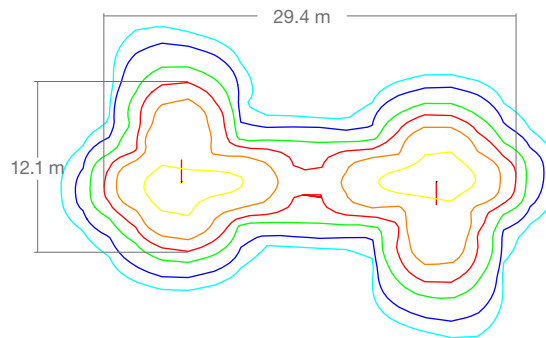
440 lm luminaire placed at 3 m height



Isoline — 0.1 lx — 0.2 lx — 0.5 lx — 1.0 lx — 2.0 lx — 5.0 lx

CORNER

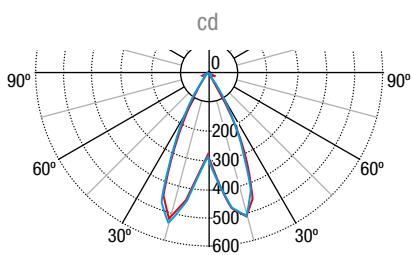
420 lm luminaire placed at 3 m height



Isoline — 0.1 lx — 0.2 lx — 0.5 lx — 1.0 lx — 2.0 lx — 5.0 lx

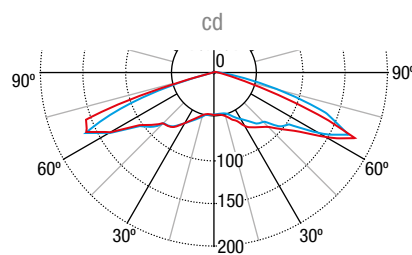
PHOTOMETRIC GUIDE

NARROW



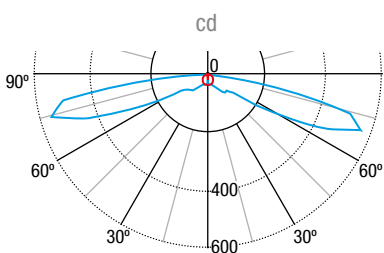
— C0 - C180 — C90 - C270

AREA



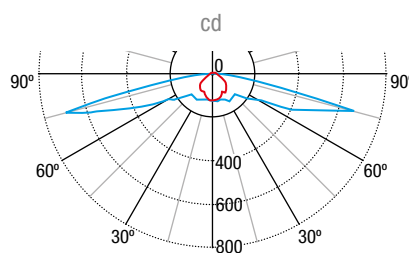
— C0 - C180 — C90 - C270

CORRIDOR



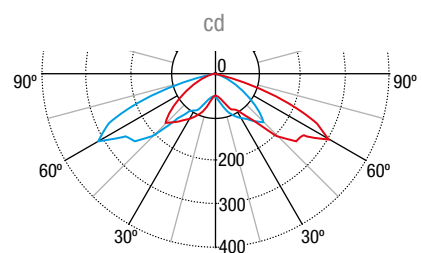
— C0 - C180 — C90 - C270

CORRIDOR+



— C0 - C180 — C90 - C270

CORNER



— C0 - C180 — C90 - C270

Spazio

VS

Spazio Mini
Spazio Nano

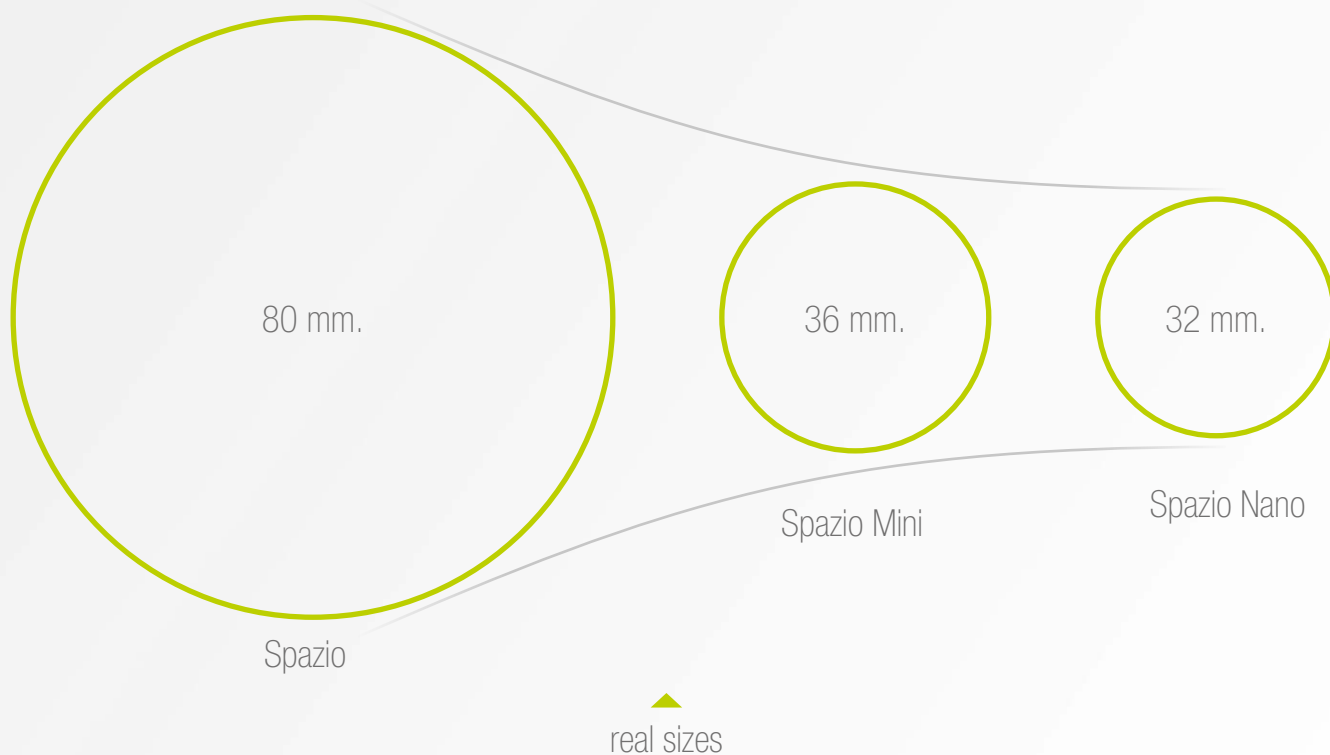


ZEMPER

THE EMERGENCY LIGHTING SPECIALIST

AMAZING

as powerful as any
the smallest luminaire
we have **ever** made





Real size



SPAZIO MINI

Patent Pending

SPECIFICATION



Polyamide body



Escape route lens - D
Anti-panic lens - R

IP

IP42

IK

IK04

lm

165 - 250 lm



Duration: 1 - 3 h · Battery: LiFePO₄



Charging time: 12 h



Supply: 230 V - 50 Hz

LED

LED temperature: 4000 °K



Working temperature: 0 °C to +40 °C



AutoTest



SmartZ[®]

AutoTest, SmartZ[®]
& DALI-2 Lithium

WARRANTY
5
YEAR



STANDARDS COMPLIANCE

EN-60598-2-22

AutoTest: EN-62034

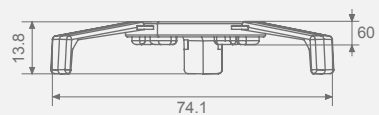
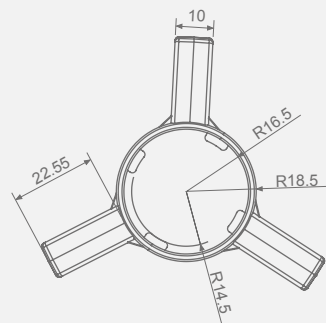
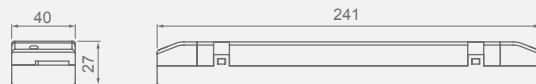
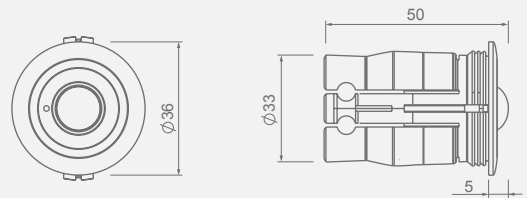
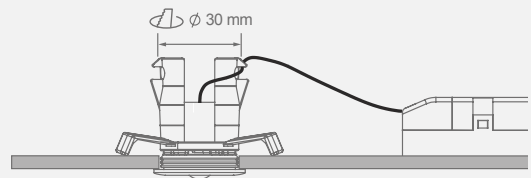
DALI-2: EN 62386

Wireless SmartZ[®]: ETSI EN 303 447-1

CERTIFICATIONS




DIMENSIONS (mm)



Fixing system that allows mounting on any thickness of suspended ceiling, including metal ceilings with a thickness less than 6 mm.

RANGE

	Emergency	Mains	Type*	Lens**	Dur.	Battery	Ref.
AutoTest	250 lm		NM	R	1 h	3.2V 1.5A/h LiFePO ₄	LMR9250LX
	250 lm		NM	D	1 h	3.2V 1.5A/h LiFePO ₄	LMR9251LX
	250 lm	150 lm	M/NM	R	1 h	3.2V 1.5A/h LiFePO ₄	LMR9250LXP
	250 lm	150 lm	M/NM	D	1 h	3.2V 1.5A/h LiFePO ₄	LMR9251LXP
	250 lm	150 lm	M/NM	R	1 h	3.2V 1.5A/h LiFePO ₄	LMR9250LAP
	250 lm	150 lm	M/NM	D	1 h	3.2V 1.5A/h LiFePO ₄	LMR9251LAP
	165 lm	100 lm	M/NM	R	3 h	3.2V 1.8A/h LiFePO ₄	LMR9170LAP3
	165 lm	100 lm	M/NM	D	3 h	3.2V 1.8A/h LiFePO ₄	LMR9171LAP3
Wireless SmartZ®	250 lm	150 lm	M/NM	R	1 h	3.2V 1.5A/h LiFePO ₄	LMR9250LWP
	250 lm	150 lm	M/NM	D	1 h	3.2V 1.5A/h LiFePO ₄	LMR9251LWP
	165 lm	100 lm	M/NM	R	3 h	3.2V 1.8A/h LiFePO ₄	LMR9170LWP3
	165 lm	100 lm	M/NM	D	3 h	3.2V 1.8A/h LiFePO ₄	LMR9171LWP3

*NM: Non Maintained. The luminaire operates from emergency supply only upon failure of the normal mains supply.

*M/NM: Maintained/Non Maintained. With a third terminal which allows to switch off/on the Maintained mode when connected to mains supply.

**R: Round Lens (Anti-panic) / D: Directional Lens (Escape route)

For version in black colour, add an 'N' at the end of the reference.

SPACING TABLE

ESCAPE ROUTE LENS

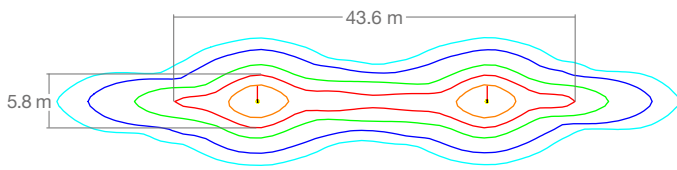
Spacing table calculated with 1 lux minimum illuminance and 0.9 maintenance factor



Height (H)	Spacing Data (d)	
	165 lm	250 lm
2.5 m	22.1 m	25.9 m
3 m	22.9 m	27.1 m
4 m	16.1 m	26.4 m
5 m	9.9 m	18.7 m
6 m	5.9 m	12.7 m

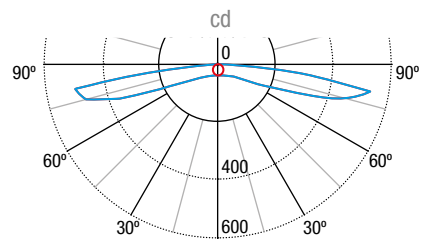
ISOLUX CURVE

250 lm luminaire placed at 3 m height



Isoline — 0.1 lx — 0.2 lx — 0.5 lx — 1.0 lx — 2.0 lx — 5.0 lx

PHOTOMETRIC GUIDE



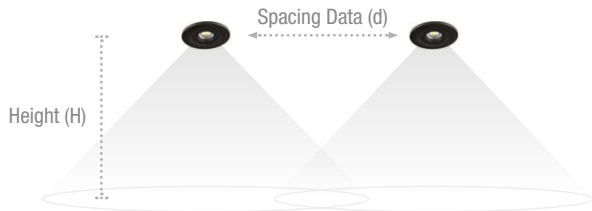
— C0 - C180 — C90 - C270

SPAZIO MINI

ZEMPER

ANTI-PANIC LENS

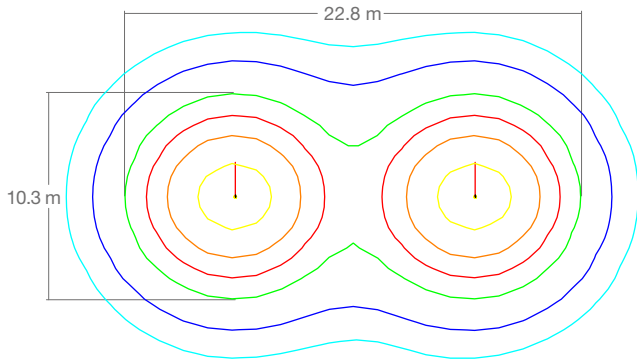
Spacing table calculated with 0.5 lux minimum illuminance and 0.9 maintenance factor



Height (H)	Spacing Data (d)	
	165 lm	250 lm
2.5 m	10.4 m	11.7 m
3 m	11.2 m	12.7 m
4 m	12.5 m	14.3 m
5 m	13.4 m	15.5 m
6 m	13.9 m	16.4 m

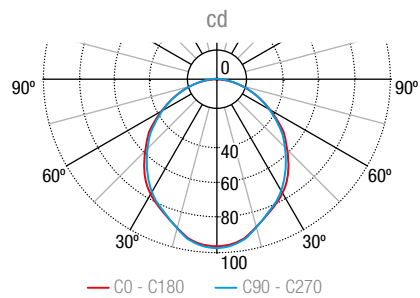
ISOLUX CURVE

250 lm luminaire placed at 3 m height

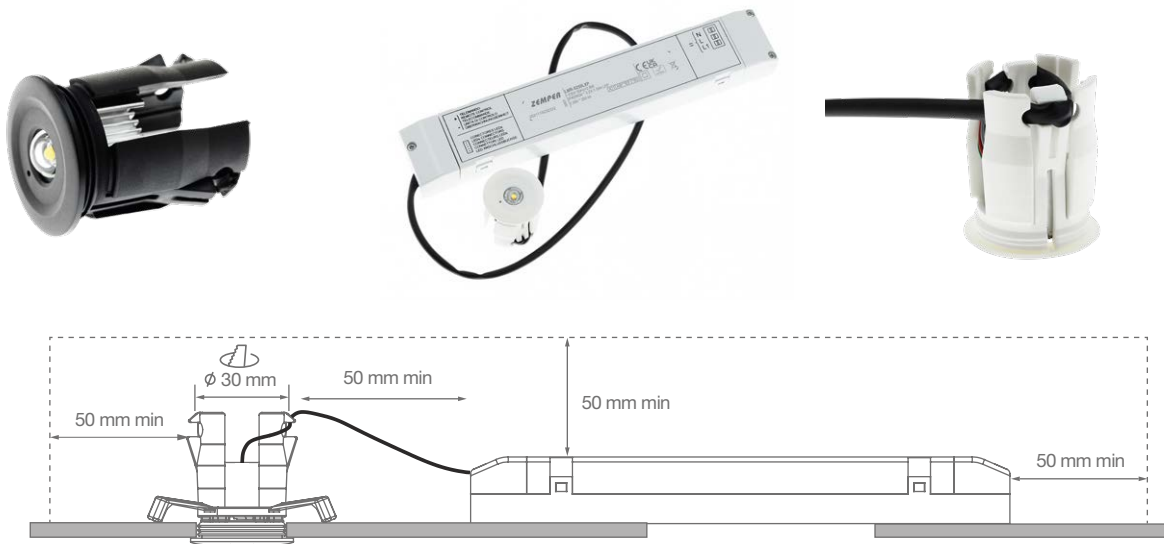


Isoline — 0.1 lx — 0.2 lx — 0.5 lx — 1.0 lx — 2.0 lx — 5.0 lx

PHOTOMETRIC GUIDE



DIMENSIONS



The installation aperture for the product head is 30 mm. Please note, the control and battery casing is 40 mm wide and will require another access point or aperture to install above the ceiling.

Emergency luminaire for suspended ceilings





Real size



SPAZIO NANO

SPECIFICATION



Polycarbonate body



Escape route lens - D
Anti-panic lens - R

IP

IP42 (IP20 installed in slatted ceilings)

IK

IK04

lm

165 - 250 lm



Duration: 1 - 3 h · Battery: LiFePO₄



Charging time: 12 h



Supply: 230 V - 50 Hz

LED

LED temperature: 4000 °K



Working temperature: 0 °C to +40 °C



AutoTest



SmartZ®

AutoTest, SmartZ®
& DALI-2 Lithium

WARRANTY
5
YEAR



STANDARDS COMPLIANCE

EN-60598-2-22

AutoTest: EN-62034

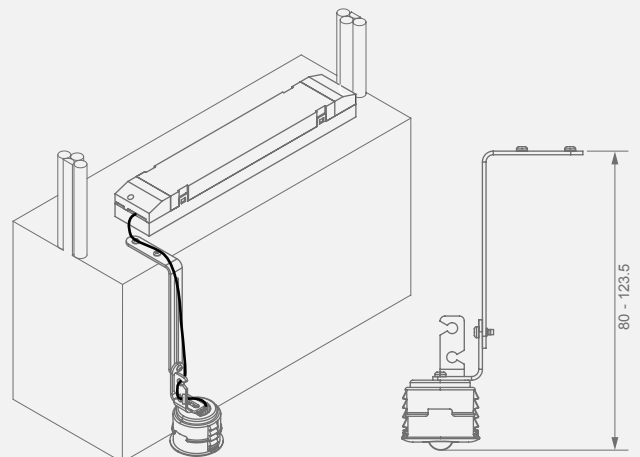
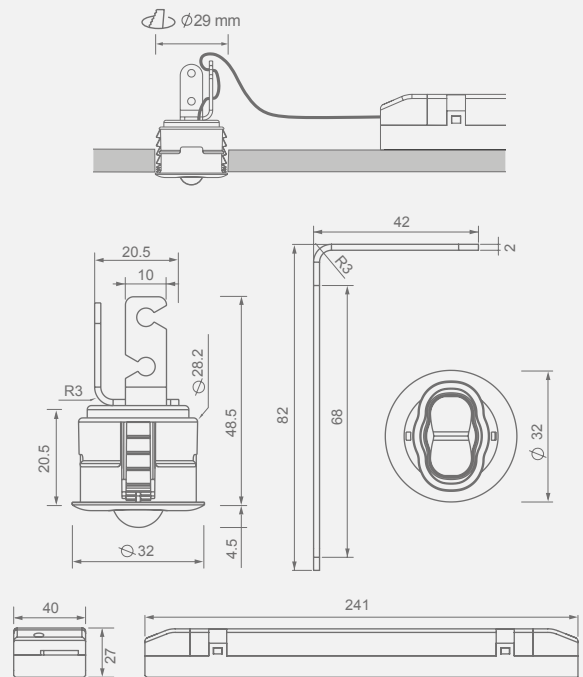
DALI-2: EN 62386

Wireless SmartZ®: ETSI EN 303 447-1


CERTIFICATIONS



DIMENSIONS (mm)



RANGE

	Emergency	Mains	Type*	Lens**	Dur.	Battery	Ref.
AutoTest	250 lm		NM	R	1 h	3.2V 1.5A/h LiFePO ₄	LML9250LX
	250 lm		NM	D	1 h	3.2V 1.5A/h LiFePO ₄	LML9251LX
	250 lm	150 lm	M/NM	R	1 h	3.2V 1.5A/h LiFePO ₄	LML9250LXP
	250 lm	150 lm	M/NM	D	1 h	3.2V 1.5A/h LiFePO ₄	LML9251LXP
	250 lm	150 lm	M/NM	R	1 h	3.2V 1.5A/h LiFePO ₄	LML9250LAP
	250 lm	150 lm	M/NM	D	1 h	3.2V 1.5A/h LiFePO ₄	LML9251LAP
	165 lm	100 lm	M/NM	R	3 h	3.2V 1.8A/h LiFePO ₄	LML9170LAP3
	165 lm	100 lm	M/NM	D	3 h	3.2V 1.8A/h LiFePO ₄	LML9171LAP3
Wireless SmartZ®	250 lm	150 lm	M/NM	R	1 h	3.2V 1.5A/h LiFePO ₄	LML9250LWP
	250 lm	150 lm	M/NM	D	1 h	3.2V 1.5A/h LiFePO ₄	LML9251LWP
	165 lm	100 lm	M/NM	R	3 h	3.2V 1.8A/h LiFePO ₄	LML9170LWP3
	165 lm	100 lm	M/NM	D	3 h	3.2V 1.8A/h LiFePO ₄	LML9171LWP3

*NM: Non Maintained. The luminaire operates from emergency supply only upon failure of the normal mains supply.

*M/NM: Maintained/Non Maintained. With a third terminal which allows to switch off/on the Maintained mode when connected to mains supply.

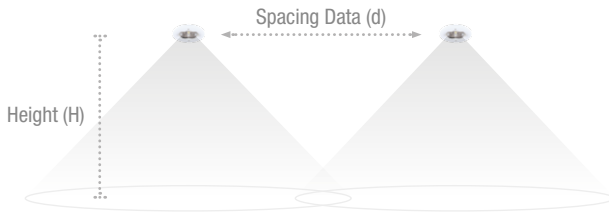
**R: Round Lens (Anti-panic) / D: Directional Lens (Escape route)

For version in black colour, add an 'N' at the end of the reference.

SPACING TABLE

ESCAPE ROUTE LENS

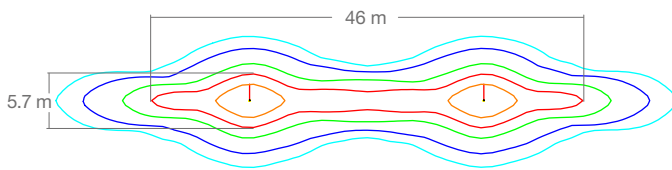
Spacing table calculated with 1 lux minimum illuminance



Height (H)	Spacing Data (d)	
	165 lm	250 lm
2.5 m	22.6 m	25.7 m
3 m	24.2 m	27.5 m
4 m	21.3 m	30.5 m
5 m	12.0 m	25.8 m
6 m	6.3 m	15.2 m

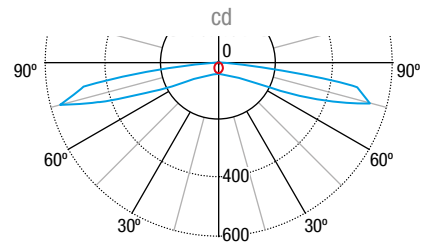
ISOLUX CURVE

250 lm luminaire placed at 3 m height



Isoline — 0.1 lx — 0.2 lx — 0.5 lx — 1.0 lx — 2.0 lx — 5.0 lx

PHOTOMETRIC GUIDE



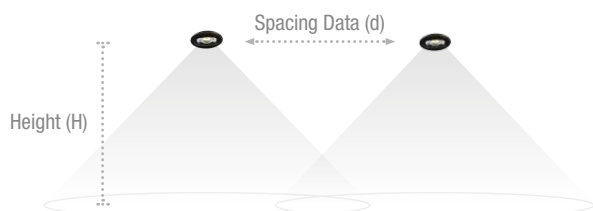
— C0 - C180 — C90 - C270

SPAZIO NANO

ZEMPER

ANTI-PANIC LENS

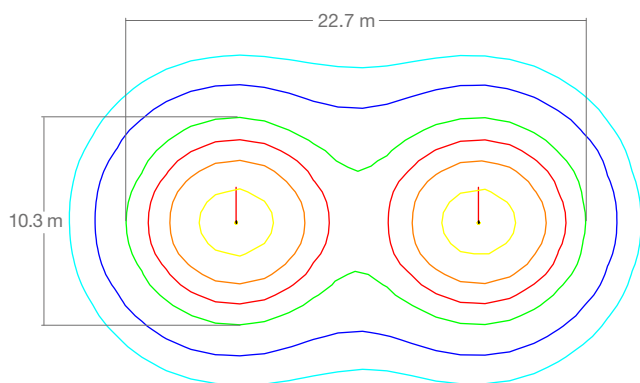
Spacing table calculated with 0.5 lux minimum illuminance and 0.9 maintenance factor



Height (H)	Spacing Data (d)	
	165 lm	250 lm
2.5 m	10.4 m	11.6 m
3 m	11.2 m	12.6 m
4 m	12.5 m	14.3 m
5 m	13.4 m	15.5 m
6 m	14.0 m	16.4 m

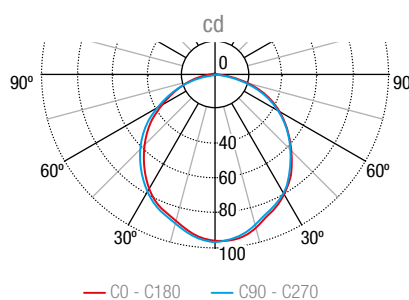
ISOLUX CURVE

250 lm luminaire placed at 3 m height

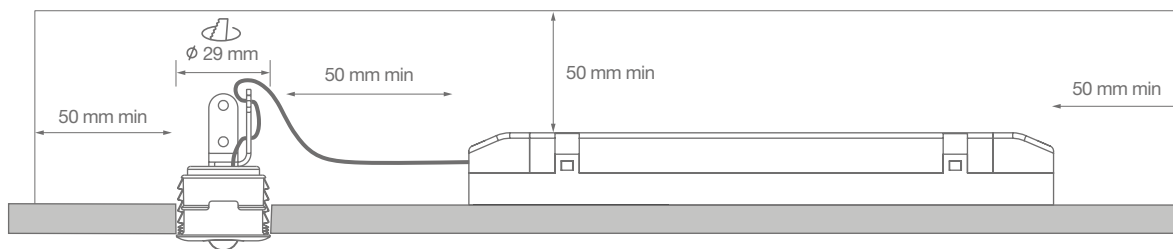


Isoline — 0.1 lx — 0.2 lx — 0.5 lx — 1.0 lx — 2.0 lx — 5.0 lx

PHOTOMETRIC GUIDE

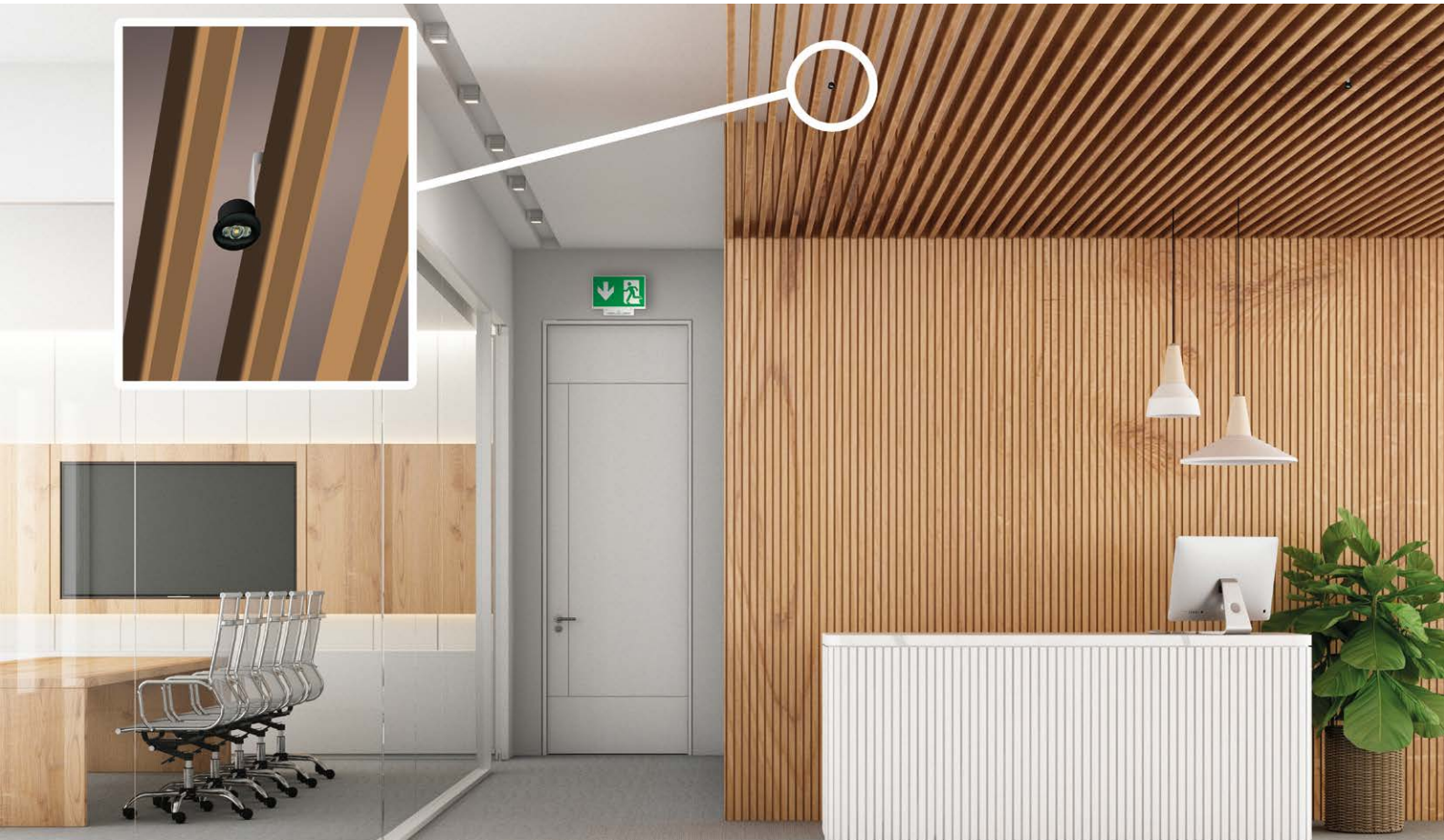


— C0 - C180 — C90 - C270



Important Note: The installation aperture for the product head is 29 mm. Please note, the control and battery casing is 40 mm wide and will require another access point or aperture to install above the ceiling. This luminaire is designed for slatted ceilings and for continuous luminaires.

Luminaire recommended for slatted ceilings



and for continuous luminaires

PERFECT INTEGRATION





Real size



SPAZIO R

SPECIFICATION



Polycarbonate body



Escape route lens - D
Anti-panic lens - R

IP

IP42

IK

IK04

lm

165 lm - 250 lm



Duration: 1 - 3 h · Battery: LiFePO₄



Charging time: 12 h



Supply: 230 V - 50 Hz

LED

LED temperature: 4000 °K



Working temperature: 0 °C to +40 °C



AutoTest



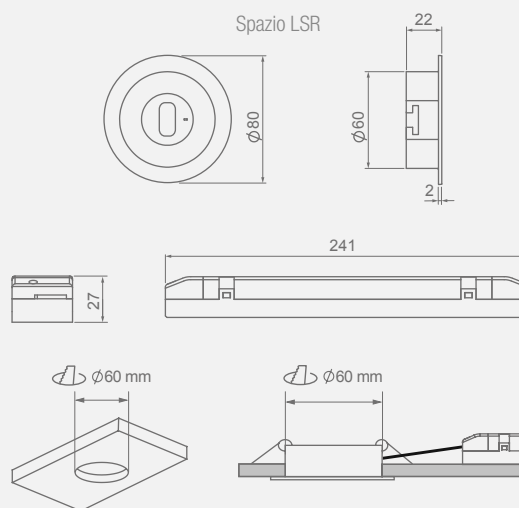
SmartZ®



AutoTest, SmartZ®
& DALI-2 Lithium



DIMENSIONS (mm)



STANDARDS COMPLIANCE

EN-60598-2-22
AutoTest: EN-62034
DALI-2: EN 62386
Wireless SmartZ®: ETSI EN 303 447-1

CERTIFICATIONS





Real size



SPAZIO Q

SPECIFICATION



Polycarbonate body



Escape route lens - D
Anti-panic lens - R

IP

IP42

IK

IK04

lm

165 lm - 250 lm



Duration: 1 - 3 h · Battery: LiFePO₄



Charging time: 12 h



Supply: 230 V - 50 Hz

LED

LED temperature: 4000 °K



Working temperature: 0 °C to +40 °C



AutoTest



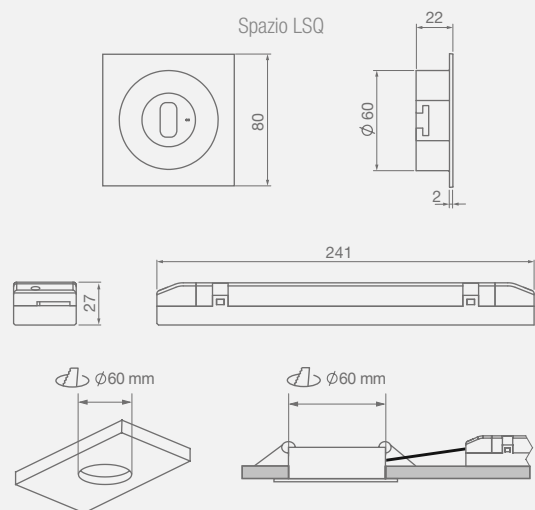
SmartZ®



AutoTest, SmartZ®
& DALI-2 Lithium



DIMENSIONS (mm)



STANDARDS COMPLIANCE

EN-60598-2-22
AutoTest: EN-62034
DALI-2: EN 62386
Wireless SmartZ®: ETSI EN 303 447-1

CERTIFICATIONS




SPAZIO Q/R

ZEMPER

RANGE




SPAZIO R - Round

	Emergency	Mains	Type*	Lens**	Dur.	Battery	Part number
AutoTest	250 lm		NM	R	1 h	3.2V 1.5A/h LiFePO ₄	LSR3250LX
	250 lm		NM	D	1 h	3.2V 1.5A/h LiFePO ₄	LSR3251LX
	165 lm		NM	R	3 h	3.2V 1.8A/h LiFePO ₄	LSR3170LX3
	165 lm		NM	D	3 h	3.2V 1.8A/h LiFePO ₄	LSR3171LX3
	250 lm	150 lm	M/NM	R	1 h	3.2V 1.5A/h LiFePO ₄	LSR9250LAP
	250 lm	150 lm	M/NM	D	1 h	3.2V 1.5A/h LiFePO ₄	LSR9251LAP
	165 lm	100 lm	M/NM	R	3 h	3.2V 1.8A/h LiFePO ₄	LSR9170LAP3
	165 lm	100 lm	M/NM	D	3 h	3.2V 1.8A/h LiFePO ₄	LSR9171LAP3
Wireless SmartZ®	250 lm	150 lm	M/NM	R	1 h	3.2V 1.5A/h LiFePO ₄	LSR9250LWP
	250 lm	150 lm	M/NM	D	1 h	3.2V 1.5A/h LiFePO ₄	LSR9251LWP
	165 lm	100 lm	M/NM	R	3 h	3.2V 1.8A/h LiFePO ₄	LSR9170LWP3
	165 lm	100 lm	M/NM	D	3 h	3.2V 1.8A/h LiFePO ₄	LSR9171LWP3



SPAZIO Q - Square

	Emergency	Mains	Type*	Lens**	Dur.	Battery	Part number
AutoTest	250 lm		NM	R	1 h	3.2V 1.5A/h LiFePO ₄	LSQ3250LX
	250 lm		NM	D	1 h	3.2V 1.5A/h LiFePO ₄	LSQ3251LX
	165 lm		NM	R	3 h	3.2V 1.8A/h LiFePO ₄	LSQ3170LX3
	165 lm		NM	D	3 h	3.2V 1.8A/h LiFePO ₄	LSQ3171LX3
	250 lm	150 lm	M/NM	R	1 h	3.2V 1.5A/h LiFePO ₄	LSQ9250LAP
	250 lm	150 lm	M/NM	D	1 h	3.2V 1.5A/h LiFePO ₄	LSQ9251LAP
	165 lm	100 lm	M/NM	R	3 h	3.2V 1.8A/h LiFePO ₄	LSQ9170LAP3
	165 lm	100 lm	M/NM	D	3 h	3.2V 1.8A/h LiFePO ₄	LSQ9171LAP3
Wireless SmartZ®	250 lm	150 lm	M/NM	R	1 h	3.2V 1.5A/h LiFePO ₄	LSQ9250LWP
	250 lm	150 lm	M/NM	D	1 h	3.2V 1.5A/h LiFePO ₄	LSQ9251LWP
	165 lm	100 lm	M/NM	R	3 h	3.2V 1.8A/h LiFePO ₄	LSQ9170LWP3
	165 lm	100 lm	M/NM	D	3 h	3.2V 1.8A/h LiFePO ₄	LSQ9171LWP3

*NM: Non Maintained. The luminaire operates from emergency supply only upon failure of the normal mains supply.

*M/NM: Maintained/Non Maintained. With a third terminal which allows to switch off/on the Maintained mode when connected to mains supply.

**R: Round Lens (Anti-panic)

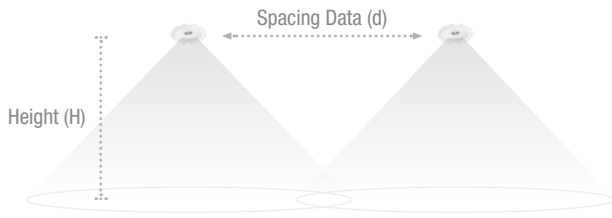
**D: Directional Lens (Escape route)

For version in black colour, add an 'N' at the end of the part number.

SPACING TABLE

ESCAPE ROUTE LENS

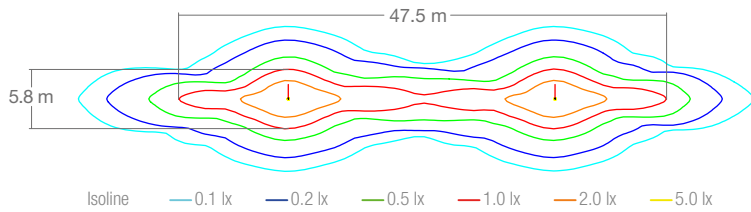
Spacing table calculated with 1 lux minimum illuminance



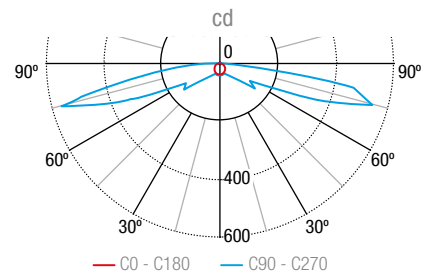
Height (H)	Spacing Data (d)	
	165 lm	250 lm
2.5 m	20.0 m	24.6 m
3 m	23.9 m	26.8 m
4 m	21.1 m	27.3 m
5 m	12.3 m	25.5 m
6 m	5.2 m	17.2 m

ISOLUX CURVE

250 lm luminaire placed at 3 m height



PHOTOMETRIC GUIDE



ANTI-PANIC LENS

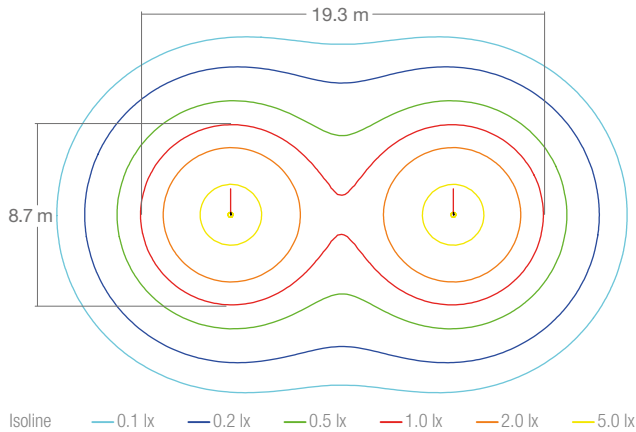
Spacing table calculated with 0.5 lux minimum illuminance



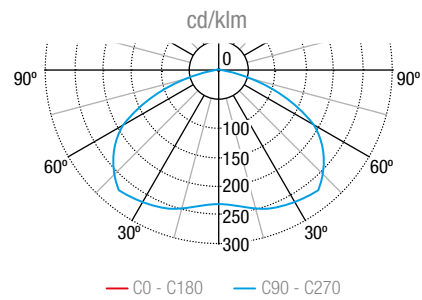
Height (H)	Spacing Data (d)	
	165 lm	250 lm
2.5 m	11.2 m	12.5 m
3 m	12.2 m	13.7 m
4 m	13.8 m	15.6 m
5 m	14.7 m	17.1 m
6 m	15.3 m	18.0 m

ISOLUX CURVE

250 lm luminaire placed at 3 m height



PHOTOMETRIC GUIDE



ACCESSORIES



Screen printed methacrylate and fixing accessory (Spazio Q/R)

- ABX1741
- ABX1741
- ABX1841
- ABX1941



AMU8002 Universal frame (from 6W to Spazio Q/R)



Real size



SPAZIO ON

SPECIFICATION



Polycarbonate body



Escape route lens - D
Anti-panic lens - R
Asymmetrical wall lens - W

IP

IP42

IK

IK04

lm

165 lm - 250 lm



Duration: 1 - 3 h · Battery: LiFePO₄



Charging time: 12 h



Supply: 230 V - 50 Hz

LED

LED temperature: 4000 °K



Working temperature: 0 °C to +40 °C



AutoTest



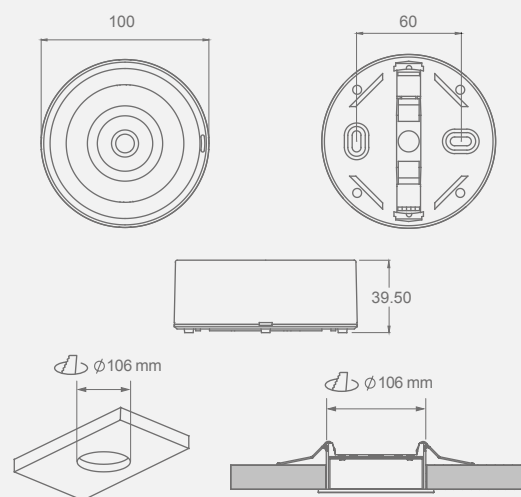
SmartZ®



AutoTest, SmartZ®
& DALI-2 Lithium



DIMENSIONS (mm)




STANDARDS COMPLIANCE

EN-60598-2-22
AutoTest: EN-62034
DALI-2: EN 62386
Wireless SmartZ®: ETSI EN 303 447-1

CERTIFICATIONS



RANGE

	Emergency	Mains	Type*	Lens**	Dur.	Battery	Part number
AutoTest	250 lm	150 lm	M/NM	R	1 h	3.2V 1.5A/h LiFePO ₄	LSM3250LXP
	250 lm	150 lm	M/NM	D	1 h	3.2V 1.5A/h LiFePO ₄	LSM3251LXP
	250 lm	150 lm	M/NM	W	1 h	3.2V 1.5A/h LiFePO ₄	LSM3252LXP
	165 lm	100 lm	M/NM	R	3 h	3.2V 1.8A/h LiFePO ₄	LSM3170LXP3
	165 lm	100 lm	M/NM	D	3 h	3.2V 1.8A/h LiFePO ₄	LSM3171LXP3
	165 lm	100 lm	M/NM	W	3 h	3.2V 1.8A/h LiFePO ₄	LSM3172LXP3
	250 lm	150 lm	M/NM	R	1 h	3.2V 1.5A/h LiFePO ₄	LSM3250LAP
	250 lm	150 lm	M/NM	D	1 h	3.2V 1.5A/h LiFePO ₄	LSM3251LAP
	250 lm	150 lm	M/NM	W	1 h	3.2V 1.5A/h LiFePO ₄	LSM3252LAP
	165 lm	100 lm	M/NM	R	3 h	3.2V 1.8A/h LiFePO ₄	LSM3170LAP3
	165 lm	100 lm	M/NM	D	3 h	3.2V 1.8A/h LiFePO ₄	LSM3171LAP3
	165 lm	100 lm	M/NM	W	3 h	3.2V 1.8A/h LiFePO ₄	LSM3172LAP3
Wireless SmartZ®	250 lm	150 lm	M/NM	R	1 h	3.2V 1.5A/h LiFePO ₄	LSM3250LWP
	250 lm	150 lm	M/NM	D	1 h	3.2V 1.5A/h LiFePO ₄	LSM3251LWP
	250 lm	150 lm	M/NM	W	1 h	3.2V 1.5A/h LiFePO ₄	LSM3252LWP
	165 lm	100 lm	M/NM	R	3 h	3.2V 1.8A/h LiFePO ₄	LSM3170LWP3
	165 lm	100 lm	M/NM	D	3 h	3.2V 1.8A/h LiFePO ₄	LSM3171LWP3
	165 lm	100 lm	M/NM	W	3 h	3.2V 1.8A/h LiFePO ₄	LSM3172LWP3

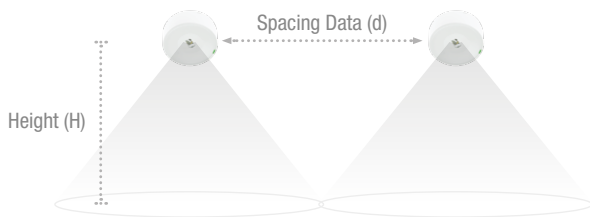
*M/NM: Maintained/Non Maintained. With a third terminal which allows to switch off/on the Maintained mode when connected to mains supply.

** D: Escape route lens / R: Anti-panic lens / W: Asymmetrical wall lens

For version in black colour, add an 'N' at the end of the part number.

SPACING TABLE

ESCAPE ROUTE LENS

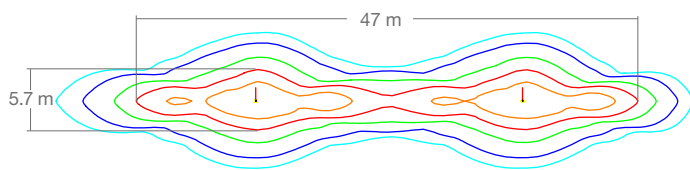


Spacing table calculated with 1 lux minimum illuminance

Height (H)	Spacing Data (d)	
	165 lm	250 lm
2.5 m	21.4 m	22.2 m
3 m	23.8 m	25.9 m
4 m	22.3 m	30.7 m
5 m	18.9 m	27.5 m
6 m	7.5 m	24.0 m

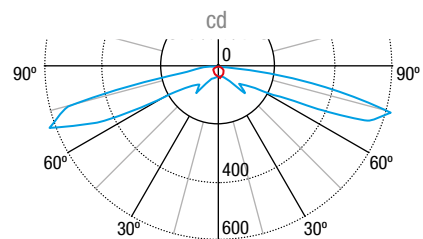
ISOLUX CURVE

250 lm luminaire placed at 3 m height



Isoline — 0.1 lx — 0.2 lx — 0.5 lx — 1.0 lx — 2.0 lx — 5.0 lx

PHOTOMETRIC GUIDE

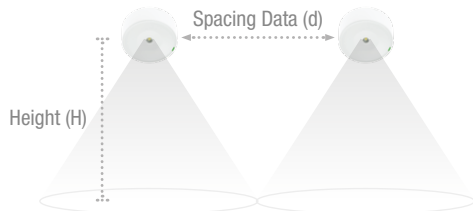


— C0 - C180 — C90 - C270

SPACING TABLE

ANTI-PANIC LENS

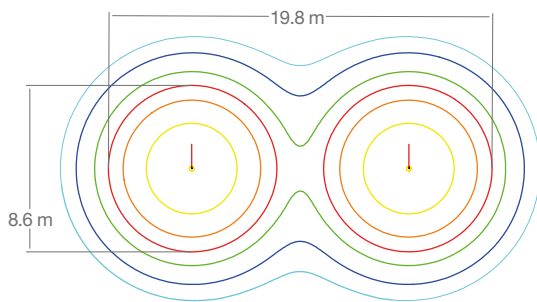
Spacing table calculated with 0.5 lux minimum illuminance



Height (H)	Spacing Data (d)	
	165 lm	250 lm
2.5 m	9.7 m	10.4 m
3 m	10.8 m	11.7 m
4 m	12.9 m	14.0 m
5 m	14.6 m	16.0 m
6 m	15.9 m	17.7 m

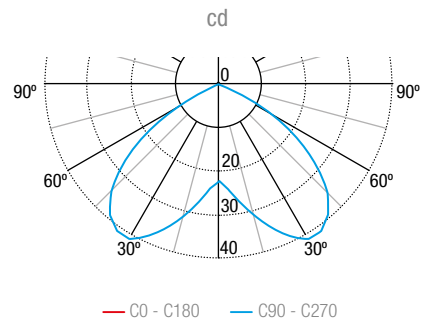
ISOLUX CURVE

250 lm luminaire placed at 3 m height



Isoline — 0.1 lx — 0.2 lx — 0.5 lx — 1.0 lx — 2.0 lx — 5.0 lx

PHOTOMETRIC GUIDE



ASYMMETRICAL WALL LENS

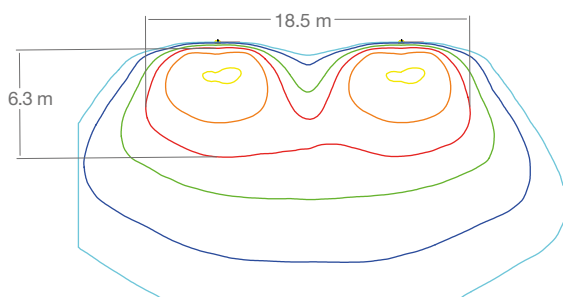
Spacing table calculated with 1 lux minimum illuminance



Height (H)	Spacing Data (d)	
	165 lm	250 lm
2.5 m	9.0 m	10.1 m
3 m	9.7 m	11.0 m
3.5 m	10.2 m	11.7 m
4 m	10.6 m	12.3 m
4.5 m	10.9 m	12.8 m

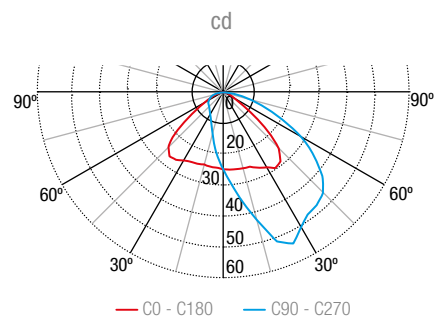
ISOLUX CURVE

250 lm luminaire placed at 3 m height



Isoline — 0.1 lx — 0.2 lx — 0.5 lx — 1.0 lx — 2.0 lx — 5.0 lx

PHOTOMETRIC GUIDE

















Real size



SPAZIO PLUS



SPECIFICATION

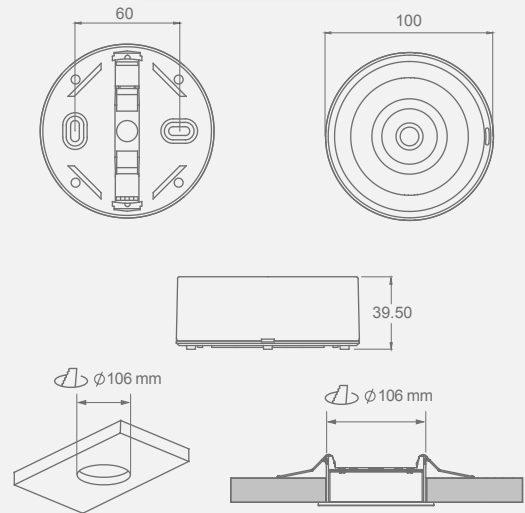
-  Polycarbonate body
-  Escape route lens
Anti-panic lens
Asymmetrical wall lens
-  IP42
-  IK04
-  50 lm - 250 lm
-  Duration: 1 - 3 - 8 h · Battery: LiFePO₄
-  Charging time: 12 h
-  Supply: 230 V - 50 Hz
-  LED temperature: 4000 °K
-  Working temperature: 0 °C to +40 °C
-  AutoTest
-  SmartZ[®]



AutoTest, SmartZ[®]
& DALI-2 Lithium



DIMENSIONS (mm)




STANDARDS COMPLIANCE

- EN-60598-2-22
- AutoTest: EN-62034
- DALI-2: EN 62386
- Wireless SmartZ[®]: ETSI EN 303 447-1

CERTIFICATIONS



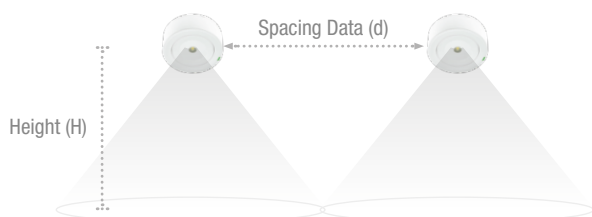
RANGE

	Emergency	Mains	Type*	Dur.	Battery	Part number
AutoTest	250 lm	150 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LSP3255LXP
	165 lm	100 lm	M/NM	3 h	3.2V 1.8A/h LiFePO ₄	LSP3175LXP3
	250 lm	150 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LSP3255LAP
	165 lm	100 lm	M/NM	3 h	3.2V 1.8A/h LiFePO ₄	LSP3175LAP3
Wireless SmartZ®	250 lm	150 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LSP3255LWP
	165 lm	100 lm	M/NM	3 h	3.2V 1.8A/h LiFePO ₄	LSP3175LWP3
	50 lm		NM	8 h	3.2V 1.8A/h LiFePO ₄	LSP3050LW8

*M/NM: Maintained/Non Maintained. With a third terminal which allows to switch off/on the Maintained mode when connected to mains supply.
 All part numbers are supplied with antipanic and evacuation lens. For Asymmetrical wall lens, please request accessory ALP0012.
 For version in black colour, add an 'N' at the end of the part number.

SPACING TABLE

ESCAPE ROUTE LENS

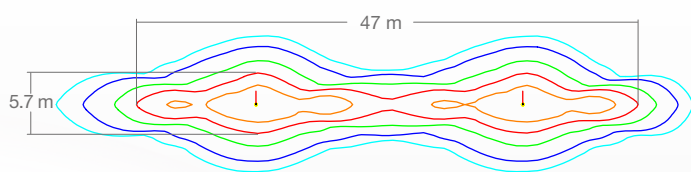


Spacing table calculated with 1 lux minimum illuminance

Height (H)	Spacing Data (d)	
	165 lm	250 lm
2.5 m	21.4 m	22.2 m
3 m	23.8 m	25.9 m
4 m	22.3 m	30.7 m
5 m	18.9 m	27.5 m
6 m	7.5 m	24.0 m

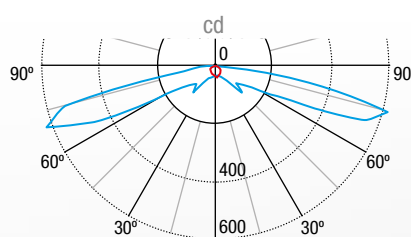
ISOLUX CURVE

250 lm luminaire placed at 3 m height



Isoline — 0.1 lx — 0.2 lx — 0.5 lx — 1.0 lx — 2.0 lx — 5.0 lx

PHOTOMETRIC GUIDE



— C0 - C180 — C90 - C270

SPAZIO PLUS

ZEMPER

ANTI-PANIC LENS

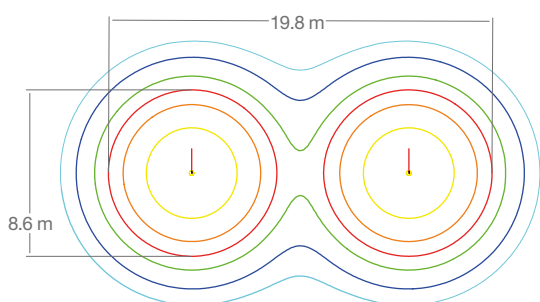
Spacing table calculated with 0.5 lux minimum illuminance



Height (H)	Spacing Data (d)	
	165 lm	250 lm
2.5 m	9.7 m	10.4 m
3 m	10.8 m	11.7 m
4 m	12.9 m	14.0 m
5 m	14.6 m	16.0 m
6 m	15.9 m	17.7 m

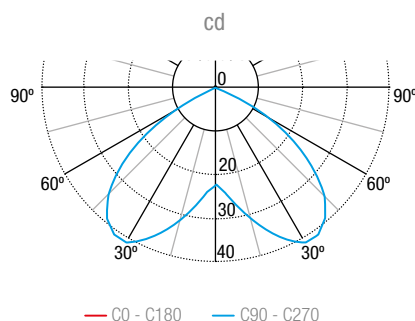
ISOLUX CURVE

250 lm luminaire placed at 3 m height



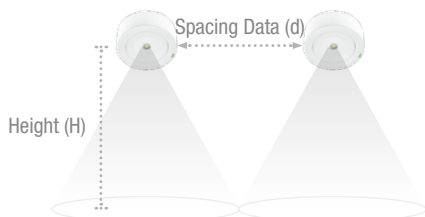
Isoline — 0.1 lx — 0.2 lx — 0.5 lx — 1.0 lx — 2.0 lx — 5.0 lx

PHOTOMETRIC GUIDE



ASYMMETRICAL WALL LENS

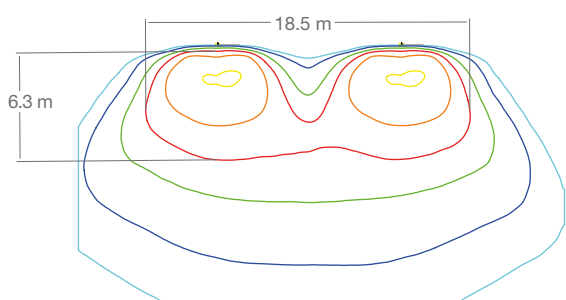
Spacing table calculated with 1 lux minimum illuminance



Height (H)	Spacing Data (d)	
	165 lm	250 lm
2.5 m	9.0 m	10.1 m
3 m	9.7 m	11.0 m
3.5 m	10.2 m	11.7 m
4 m	10.6 m	12.3 m
4.5 m	10.9 m	12.8 m

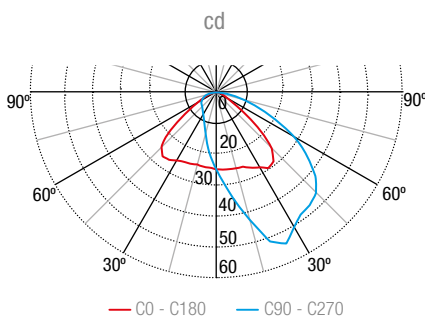
ISOLUX CURVE

250 lm luminaire placed at 3 m height



Isoline — 0.1 lx — 0.2 lx — 0.5 lx — 1.0 lx — 2.0 lx — 5.0 lx

PHOTOMETRIC GUIDE





ACCESSORIES

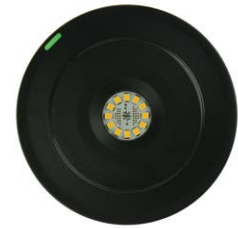
INTERCHANGEABLE LENS



Supplied with luminaire
ANTI-PANIC LENS and ESCAPE ROUTE LENS










ALP0012
ASYMMETRICAL WALL LENS



Real size

SPAZIO LUZ

SPECIFICATION

-  Polycarbonate body
-  Diffuser: Transparent Polycarbonate
-  IP42
-  IK04
-  90 lm - 425 lm
-  Duration: 1 - 3 h · Battery: Ni-CD / LiFePO₄
-  Charging time: 24 h (Ni-Cd) / 12 h (LiFePO₄)
-  Supply: 230 V - 50 Hz
-  LED temperature: 4000 °K
-  Working temperature: 0 °C to +40 °C
-  Standard
-  AutoTest
-  SmartZ[®]



AutoTest, SmartZ[®] & DALI-2 Lithium

WARRANTY

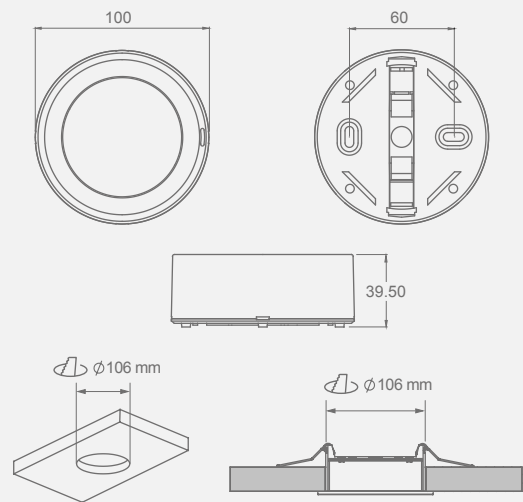
5 YEAR

EVOLIO

WARRANTY

10 YEAR

DIMENSIONS (mm)



STANDARDS COMPLIANCE

EN-60598-2-22
 AutoTest: EN-62034
 DALI-2: EN 62386
 Wireless SmartZ[®]: ETSI EN 303 447-1

CERTIFICATIONS



RANGE

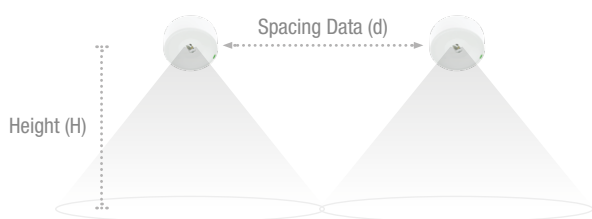
	Emergency	Mains	Type*	Dur.	Battery	Part number
Standard	90 lm		NM	1 h	3.6V 0.3 NiCd	LUZ4050C
	230 lm		NM	1 h	3.6V 0.8 NiCd	LUZ4200C
	300 lm		NM	1 h	3.6V 1.1 NiCd	LUZ4300C
	425 lm	250 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LUZ4400LCP
	170 lm	100 lm	M/NM	3 h	3.2V 1.5A/h LiFePO ₄	LUZ4150LCP3
AutoTest	90 lm		NM	1 h	3.6V 0.3 NiCd	LUZ4050X
	230 lm		NM	1 h	3.6V 0.8 NiCd	LUZ4200X
	300 lm		NM	1 h	3.6V 1.1 NiCd	LUZ4300X
	425 lm	250 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LUZ4400LXP
	150 lm	90 lm	M/NM	3 h	3.2V 1.5A/h LiFePO ₄	LUZ4150LXP3
DALI	425 lm	250 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LUZ4400LAP
	150 lm	90 lm	M/NM	3 h	3.2V 1.5A/h LiFePO ₄	LUZ4150LAP3
Wireless SmartZ®	425 lm	250 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LUZ4400LWP
	150 lm	90 lm	M/NM	3 h	3.2V 1.5A/h LiFePO ₄	LUZ4150LWP3

*NM: Non Maintained. The luminaire operates from emergency supply only upon failure of the normal mains supply.

*M/NM: Maintained/Non Maintained. With a third terminal which allows to switch off/on the Maintained mode when connected to mains supply.

For version in black colour, add an 'N' at the end of the part number.

SPACING TABLE

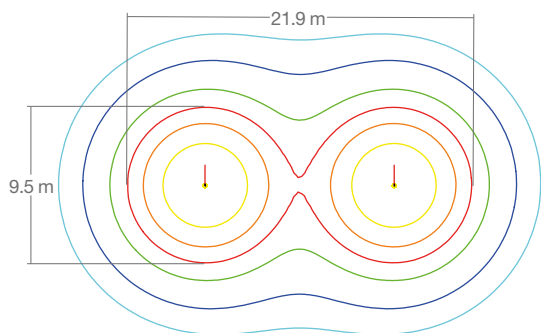


Spacing table calculated with 1 lux minimum illuminance

Height (H)	Spacing Data (d)			
	90 lm	230 lm	300 lm	425 lm
2.5 m	6.9 m	9.3 m	10.0 m	11.0 m
3 m	7.3 m	10.0 m	10.8 m	11.9 m
4 m	7.8 m	11.1 m	12.1 m	13.4 m
5 m	7.7 m	11.8 m	13.0 m	14.6 m
6 m	7.2 m	12.3 m	13.7 m	15.5 m

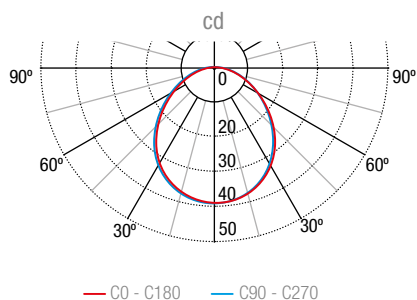
ISOLUX CURVE

425 lm luminaire placed at 3 m height



Isoline — 0.1 lx — 0.2 lx — 0.5 lx — 1.0 lx — 2.0 lx — 5.0 lx

PHOTOMETRIC GUIDE





ACCESSORIES SPAZIO ON, PLUS AND LUZ



ALP0012
Asymmetric



ALQ0011
Square recessed frame



ALC0011
Round recessed frame



ALE0065
Kit IP65



ALB0011*
Ceiling signalling with
recessed round frame



ALX0011*
Ceiling signalling with
recessed square frame



ALT0011
Flexible input kit
for surface pipe



ALS0011*
Signalling surface ceiling



ALP0011*
Signalling surface wall

* Set of pictographs included



2 units





2 units



1 unit















IP 65
1 2 3 4 5 6
 Ingress Protection
 Protection from Solids (dust, dirt...)
 Protection from Liquids (water...)


IK 10
00 01 02 03 04 05 06 07 08 09 10
 Impact Rating
 Impact Protection

SPAZIO HIGH BAY

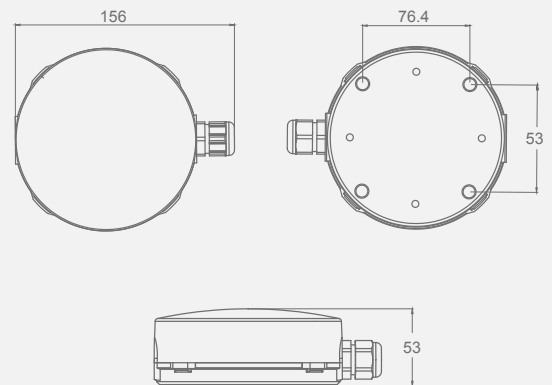
SPECIFICATION

-  Polycarbonate body
-  Diffuser: Transparent Polycarbonate
-  IP65
-  IK10
-  680 lm
-  Duration: 1 h · Battery: LiFePO₄
-  Charging time: 24 h.
-  Supply: 230 V - 50 Hz
-  LED temperature: 4000 °K
-  Working temperature: 0 °C to +40 °C
-  AutoTest

AutoTest, SmartZ[®]
& DALI-2 Lithium



DIMENSIONS (mm)



STANDARDS COMPLIANCE

EN-60598-2-22
AutoTest: EN-62034

CERTIFICATIONS

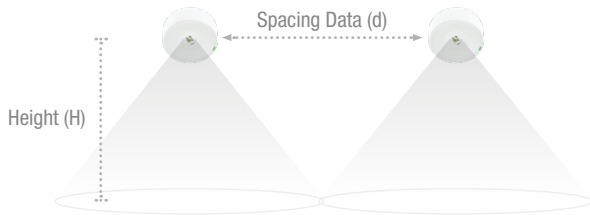


RANGE

Emergency	Type*	Dur.	Battery	Part number
AutoTest	680 lm	NM	1 h 6.4V 1.5A/h LiFePO ₄	LUE4700LX

*NM: Non Maintained. The luminaire operates from emergency supply only upon failure of the normal mains supply.
For version in black colour, add an 'N' at the end of the part number.

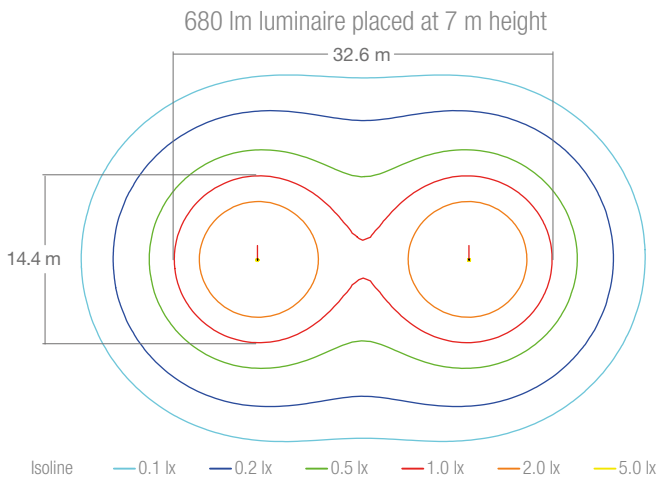
SPACING TABLE



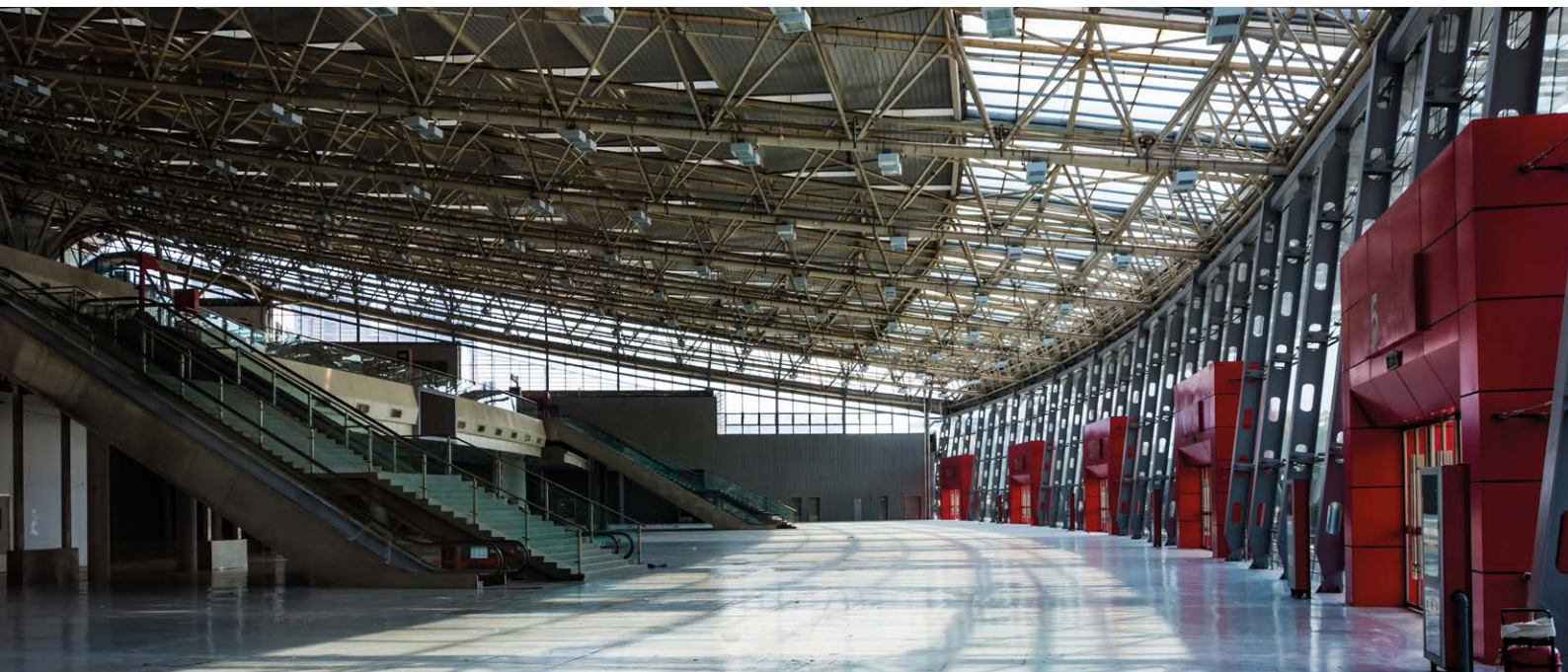
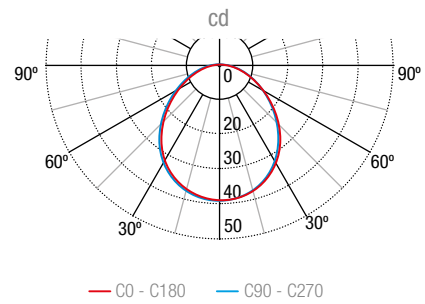
Spacing table calculated with 1 lux minimum illuminance

Height (H)	Spacing Data (d)
	680 lm
6 m	18.2 m
8 m	19.9 m
10 m	21.0 m
12 m	21.4 m
14 m	21.1 m

ISOLUX CURVE



PHOTOMETRIC GUIDE





IP 65

1	2	3	4	5	6	1	2	3	4	5	6	7	8	9
Ingress Protection						Protection from Solids (dust, dirt...)						Protection from Liquids (water...)		

IK 10

00	01	02	03	04	05	06	07	08	09	10
Impact Rating										
Impact Protection										

SPAZIO OUTDOOR



SPECIFICATION

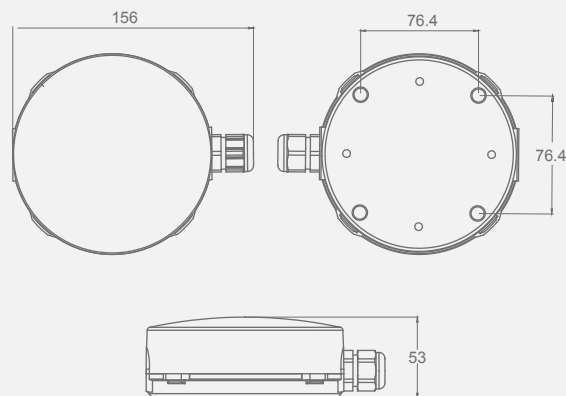
- Polycarbonate body
- Diffuser: Transparent Polycarbonate
- IP65
- IK10
- 170 lm - 425 lm
- Duration: 1 h · Battery: LiFePO₄
- Charging time: 24 h.
- Supply: 230 V - 50 Hz
- LED temperature: 4000 °K
- Working temperature: -10 °C to +40 °C
- AutoTest
- SmartZ[®]



AutoTest, SmartZ[®]
& DALI-2 Lithium



DIMENSIONS (mm)



STANDARDS COMPLIANCE

EN-60598-2-22
AutoTest: EN-62034
DALI-2: EN 62386
Wireless SmartZ[®]: ETSI EN 303 447-1

CERTIFICATIONS



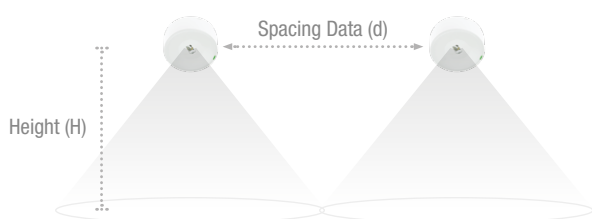
RANGE



	Emergency	Mains	Type*	Dur.	Battery	Part number
AutoTest	425 lm	250 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LUT3400LXP
	170 lm	100 lm	M/NM	3 h	3.2V 1.5A/h LiFePO ₄	LUT4170LXP3
DALI 2	250 lm	150 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LUT3252LAP
	425 lm	250 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LUT3400LAP
	170 lm	100 lm	M/NM	3 h	3.2V 1.5A/h LiFePO ₄	LUT4170LAP3
Wireless SmartZ®	425 lm	250 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LUT3400LWP
	170 lm	100 lm	M/NM	3 h	3.2V 1.5A/h LiFePO ₄	LUT4170LWP3

*M/NM: Maintained/Non Maintained. With a third terminal which allows to switch off/on the Maintained mode when connected to mains supply. For version in black colour, add an 'N' at the end of the part number.

SPACING TABLE

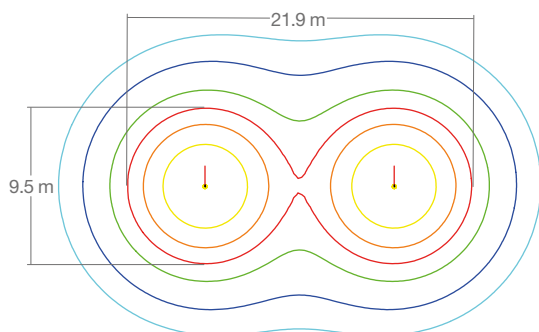


Spacing table calculated with 1 lux minimum illuminance

Height (H)	Spacing Data (d)	
	170 lm	425 lm
2.5 m	8.5 m	11.0 m
3 m	9.1 m	11.9 m
4 m	10.0 m	13.4 m
5 m	10.5 m	14.6 m
6 m	10.7 m	15.5 m

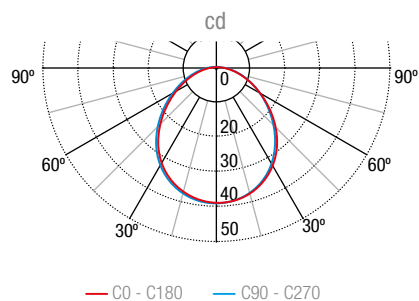
ISOLUX CURVE

425 lm luminaire placed at 3 m height



Isoline — 0.1 lx — 0.2 lx — 0.5 lx — 1.0 lx — 2.0 lx — 5.0 lx

PHOTOMETRIC GUIDE



Please contact us for optical information on part number LUT3252LAP (asymmetrical wall lens).





Escape route lens



Anti-panic lens



Asymmetrical wall lens

SPAZIO T·LED.

SPECIFICATION



Polycarbonate body



Escape route lens - D
Anti-panic lens - R
Asymmetrical wall lens - W

IP

IP42 (ceiling mounting)
IP40 (wall mounting)

IK

IK04

lm

280 lm - 500 lm



Duration: 1 - 3 h · Battery: LiFePO₄



Charging time: 12 h



Supply: 230 V - 50 Hz

LED

LED temperature: 4000 °K



Working temperature: 0 °C to +40 °C



AutoTest

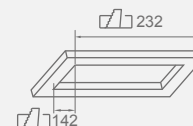
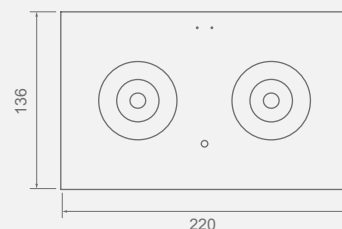


SmartZ®

AutoTest, SmartZ®
& DALI-2 Lithium

WARRANTY
5
YEAR

DIMENSIONS (mm)



STANDARDS COMPLIANCE

EN-60598-2-22
AutoTest: EN-62034
Wireless SmartZ®: ETSI EN 303 447-1

CERTIFICATIONS



RANGE

	Emergency	Mains	Type*	Lens**	Dur.	Battery	Part number
AutoTest	500 lm	300 lm	M/NM	R	1 h	3.2V 3.0A/h LiFePO ₄	LST3500LXP
	500 lm	300 lm	M/NM	D	1 h	3.2V 3.0A/h LiFePO ₄	LST3501LXP
	500 lm	300 lm	M/NM	W	1 h	3.2V 3.0A/h LiFePO ₄	LST3502LXP
	280 lm	170 lm	M/NM	R	3 h	3.2V 3.0A/h LiFePO ₄	LST3300LXP3
	280 lm	170 lm	M/NM	D	3 h	3.2V 3.0A/h LiFePO ₄	LST3301LXP3
	280 lm	170 lm	M/NM	W	3 h	3.2V 3.0A/h LiFePO ₄	LST3302LXP3
Wireless SmartZ®	500 lm	300 lm	M/NM	R	1 h	3.2V 3.0A/h LiFePO ₄	LST3500LWP
	500 lm	300 lm	M/NM	D	1 h	3.2V 3.0A/h LiFePO ₄	LST3501LWP
	500 lm	300 lm	M/NM	W	1 h	3.2V 3.0A/h LiFePO ₄	LST3502LWP
	280 lm	170 lm	M/NM	R	3 h	3.2V 3.0A/h LiFePO ₄	LST3300LWP3
	280 lm	170 lm	M/NM	D	3 h	3.2V 3.0A/h LiFePO ₄	LST3301LWP3
	280 lm	170 lm	M/NM	W	3 h	3.2V 3.0A/h LiFePO ₄	LST3302LWP3

*M/NM: Maintained/Non Maintained. With a third terminal which allows to switch off/on the Maintained mode when connected to mains supply.

**R: Round Lens (Anti-panic) / D: Directional Lens (Escape route) / W: Asimetric - Wall Mounted

For version in black colour, add an 'N' at the end of the part number.

ACCESSORIES



Surface support with screen-printed blade



ABT1781



ABT1781



ABT1881



ABT1981



White recessed ceiling accessory and screen-printed blade



ABX1761



ABX1761



ABX1861



ABX1961



AMT0061
White ceiling recessed accessory



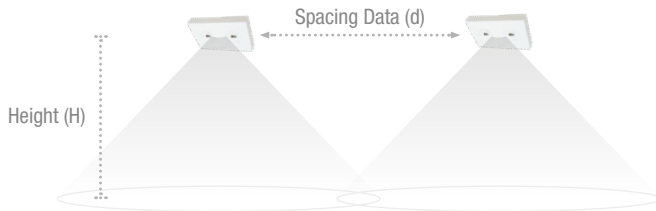
SPAZIO T·LED·

ZEMPER

SPACING TABLE

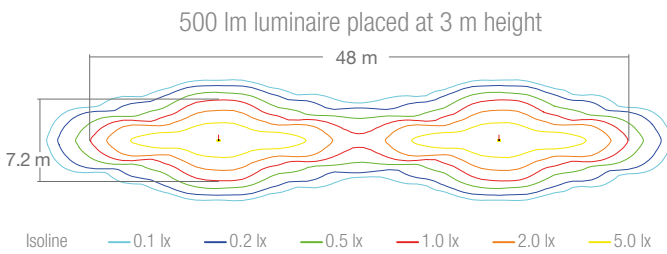
ESCAPE ROUTE LENS

Spacing table calculated with 1 lux minimum illuminance

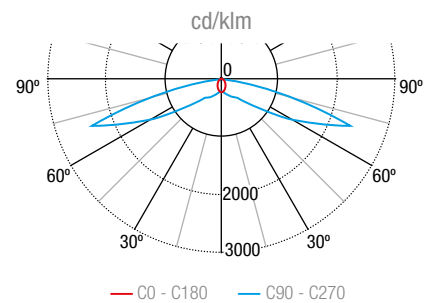


Height (H)	Spacing Data (d)	
	280 lm	500 lm
2.5 m	21.2 m	23.0 m
3 m	24.0 m	26.2 m
4 m	28.8 m	32.0 m
5 m	32.8 m	37.0 m
6 m	36.2 m	41.2 m

ISOLUX CURVE

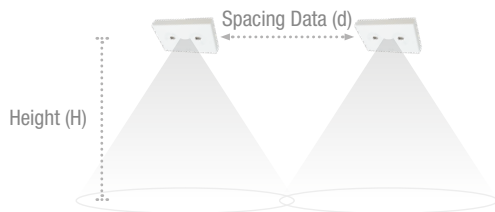


PHOTOMETRIC GUIDE



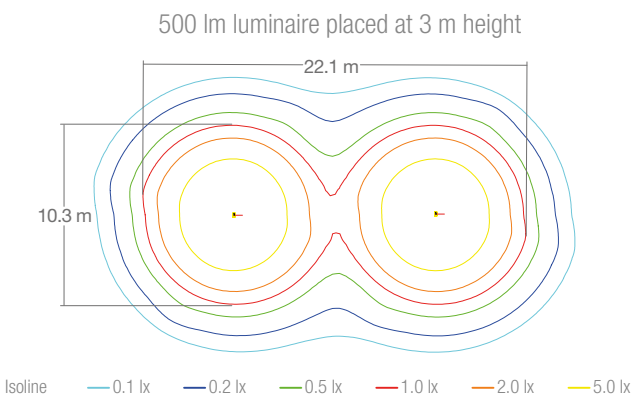
ANTI-PANIC LENS

Spacing table calculated with 0.5 lux minimum illuminance

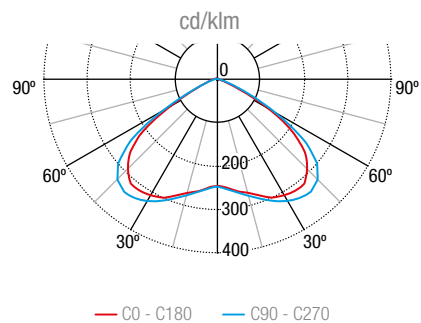


Height (H)	Spacing Data (d)	
	280 lm	500 lm
2.5 m	10.9 m	12.2 m
3 m	12.3 m	13.6 m
4 m	14.8 m	16.4 m
5 m	16.9 m	19.0 m
6 m	18.8 m	21.3 m

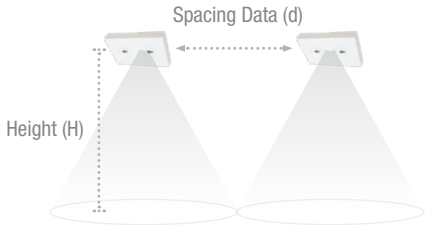
ISOLUX CURVE



PHOTOMETRIC GUIDE



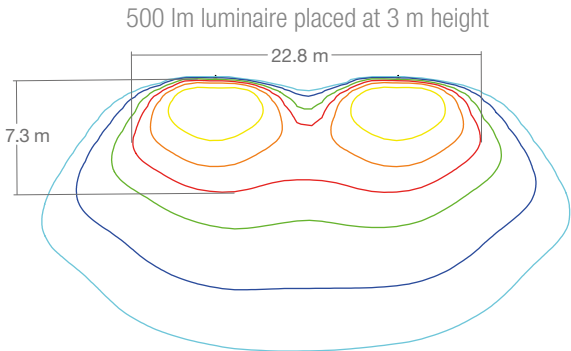
ASYMMETRICAL WALL LENS



Spacing table calculated with 1 lux minimum illuminance

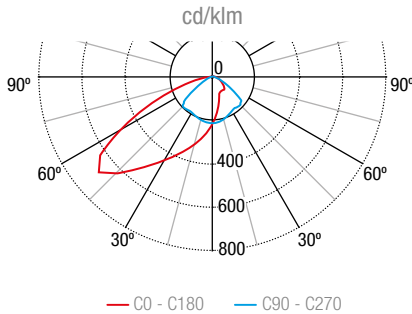
Height (H)	Spacing Data (d)	
	280 lm	500 lm
2.5 m	9.9 m	11.5 m
3 m	10.8 m	12.6 m
3.5 m	11.6 m	13.5 m
4 m	12.2 m	14.4 m
4.5 m	12.4 m	15.2 m

ISOLUX CURVE



Isoline: 0.1 lx, 0.2 lx, 0.5 lx, 1.0 lx, 2.0 lx, 5.0 lx





PHOTOMETRIC GUIDE





T·LED·

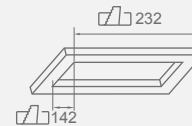
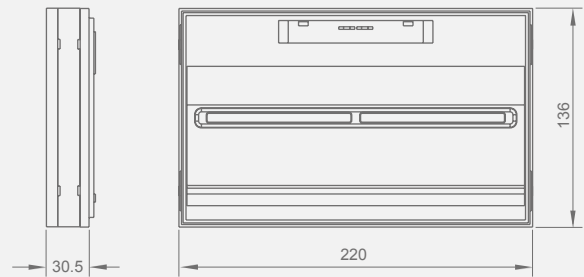
SPECIFICATION

-  Polycarbonate body
-  Diffuser: Transparent Polycarbonate
- IP** IP42
- IK** IK04
- lm** 100 lm - 800 lm
-  Duration: 1 - 3 h · Battery: LiFePO₄
-  Charging time: 12 h
-  Supply: 230 V - 50 Hz
- LED** LED temperature: 4000 °K
-  Working temperature: 0 °C to +40 °C
-  AutoTest
-  SmartZ®

AutoTest, SmartZ®
& DALI-2 Lithium



DIMENSIONS (mm)



STANDARDS COMPLIANCE

EN-60598-2-22
AutoTest: EN-62034
Wireless SmartZ®: ETSI EN 303 447-1

CERTIFICATIONS

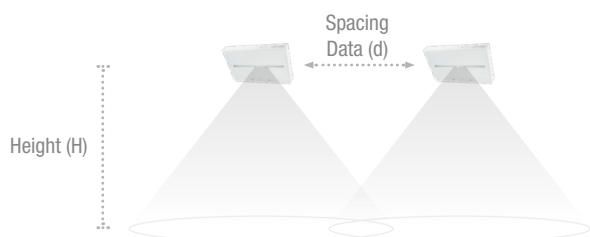


RANGE

	Emergency	Mains	Type*	Dur.	Battery	Part number
AutoTest	100 lm	60 lm	M/NM	1 h	3.2V 0.5A/h LiFePO ₄	LTS4100LXP
	440 lm	260 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LTS4400LXP
	800 lm	400 lm	M/NM	1 h	6.4V 1.5A/h LiFePO ₄	LTS4800LXP
	250 lm	150 lm	M/NM	3 h	3.2V 3.0A/h LiFePO ₄	LTS4300LXP3
Wireless SmartZ®	100 lm	60 lm	M/NM	1 h	3.2V 0.5A/h LiFePO ₄	LTS4100LWP
	440 lm	260 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LTS4400LWP
	800 lm	400 lm	M/NM	1 h	6.4V 1.5A/h LiFePO ₄	LTS4800LWP
	250 lm	150 lm	M/NM	3 h	3.2V 3.0A/h LiFePO ₄	LTS4300LWP3

*M/NM: Maintained/Non Maintained. Same working as Maintained luminaire, with a third terminal which allows to switch off/on the Maintained mode when connected to mains supply.
For version in black colour, add an 'N' at the end of the part number.

SPACING TABLE

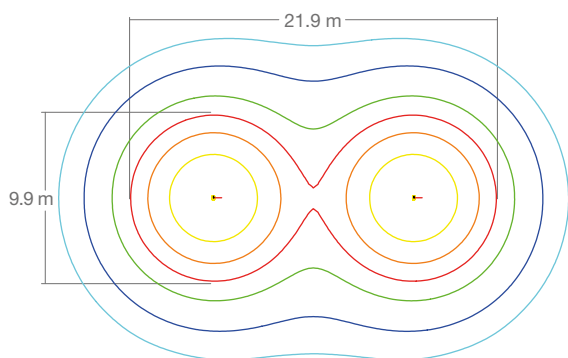


Spacing table calculated with 1 lux minimum illuminance

Height (H)	Spacing Data (d)		
	100 lm	440 lm	800 lm
2.5 m	7.5 m	11.6 m	
3 m	7.9 m	12.5 m	
4 m	8.3 m	14.1 m	
5 m	8.2 m	15.4 m	
6 m	7.7 m	16.3 m	19.9 m
8 m			21.9 m
10 m			23.1 m
12 m			23.5 m
14 m			23.3 m

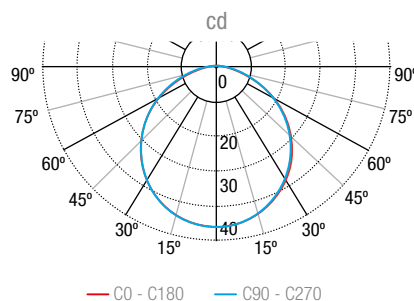
ISOLUX CURVE

440 lm luminaire placed at 3 m height



Isoline — 0.1 lx — 0.2 lx — 0.5 lx — 1.0 lx — 2.0 lx — 5.0 lx

PHOTOMETRIC GUIDE



ACCESSORIES



Digital printed legend panel kit for surface ceiling mounted.

- ABT1781
- ABT1781
- ABT1881
- ABT1981

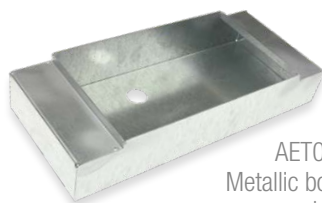


Accessories for recessed mounted into ceiling (while colour) and digital printed legend panel

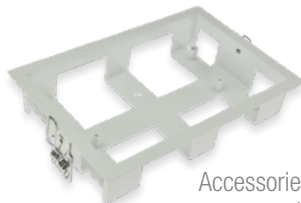
- ABX1781
- ABX1781
- ABX1881
- ABX1981



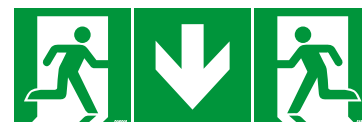
AGT000 Protective grille



AET0081 Metallic box for wall recessed mounted



AMT0081 Accessories for ceiling recessed mounted (white colour)



APT316 Multi-direction adhesive pictograph

*For wall recess option it is necessary to order AET0081+AMT00(x)1



50 - 95 lm Emergency
















150 - 225 lm Emergency



350 - 850 lm Emergency

XENA FLAT

SPECIFICATION

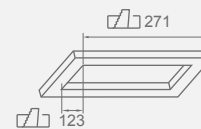
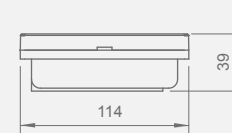
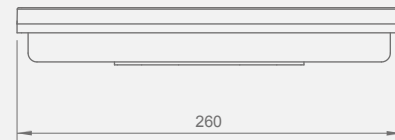
-  Polycarbonate body
-  Diffuser: Transparent Polycarbonate
-  IP44
-  IK07
-  50 lm - 850 lm
-  Duration: 1 - 3 h · Battery: Ni-CD / LiFePO₄
-  Charging time: 24 h (Ni-Cd) / 12 h (LiFePO₄)
-  Supply: 230 V - 50 Hz
-  LED temperature: 4000 °K
-  Working temperature: 0 °C to +40 °C
-  Standard
-  AutoTest
-  SmartZ[®]



AutoTest, SmartZ[®]
& DALI-2 Lithium



DIMENSIONS (mm)




STANDARDS COMPLIANCE

- EN-60598-2-22
- AutoTest: EN-62034
- DALI-2: EN 62386
- Wireless SmartZ[®]: ETSI EN 303 447-1

CERTIFICATIONS



RANGE

	Emergency	Mains	Type*	Dur.	Battery	Part number
Standard	50 lm		NM	1 h	3.6V 0.3 NiCd	LXF9050CT
	70 lm		NM	1 h	3.6V 0.3 NiCd	LXF9070CT
	95 lm		NM	1 h	3.6V 0.3 NiCd	LXF9100CT
	150 lm		NM	1 h	3.6V 0.8 NiCd	LXF9150CT
	225 lm		NM	1 h	3.6V 0.8 NiCd	LXF9200CT
	350 lm		NM	1 h	3.6V 1.6 NiCd	LXF9300CT
	450 lm		NM	1 h	3.6V 1.6 NiCd	LXF9500CT
	600 lm		NM	1 h	4.8V 1.6 NiCd	LXF9600CT
	850 lm		NM	1 h	6.0V 1.6 NiCd	LXF9800CT
	150 lm		NM	3 h	3.6V 1.6 NiCd	LXF9150C3T
AutoTest	50 lm		NM	1 h	3.6V 0.3 NiCd	LXF9050XT
	70 lm		NM	1 h	3.6V 0.3 NiCd	LXF9070XT
	95 lm		NM	1 h	3.6V 0.3 NiCd	LXF9100XT
	150 lm		NM	1 h	3.6V 0.8 NiCd	LXF9150XT
	225 lm		NM	1 h	3.6V 0.8 NiCd	LXF9200XT
	350 lm		NM	1 h	3.6V 1.6 NiCd	LXF9300XT
	390 lm		NM	1 h	3.2V 1.5A/h LiFePO ₄	LXF9400LXT
	390 lm	250 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LXF9400LXPT
	450 lm		NM	1 h	3.6V 1.6 NiCd	LXF9500XT
	600 lm		NM	1 h	4.8V 1.6 NiCd	LXF9600XT
	800 lm		NM	1 h	6.0V 1.6 NiCd	LXF9800XT
	800 lm		NM	1 h	6.4V 1.5A/h LiFePO ₄	LXF9800LXT
	800 lm	400 lm	M/NM	1 h	6.4V 1.5A/h LiFePO ₄	LXF9800LXPT
	150 lm		NM	3 h	3.6V 1.6 NiCd	LXF9150X3T
	150 lm		NM	3 h	3.2V 1.5A/h LiFePO ₄	LXF9150LX3T
150 lm	90 lm	M/NM	3 h	3.2V 1.5A/h LiFePO ₄	LXF9150LXP3T	
	390 lm	250 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LXF9400LAPT
	800 lm	400 lm	M/NM	1 h	6.4V 1.5A/h LiFePO ₄	LXF9800LAPT
	150 lm	90 lm	M/NM	3 h	3.2V 1.5A/h LiFePO ₄	LXF9150LAP3T
Wireless SmartZ®	390 lm	250 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LXF9400LWPT
	800 lm	400 lm	M/NM	1 h	6.4V 1.5A/h LiFePO ₄	LXF9800LWPT
	150 lm	90 lm	M/NM	3 h	3.2V 1.5A/h LiFePO ₄	LXF9150LWP3T

*NM: Non Maintained. The luminaire operates from emergency supply only upon failure of the normal mains supply.

*M/NM: Maintained/Non Maintained. With a switch which allows to select Maintained or Non Maintained mode function.

For version in black colour, add an 'N' at the end of the part number.

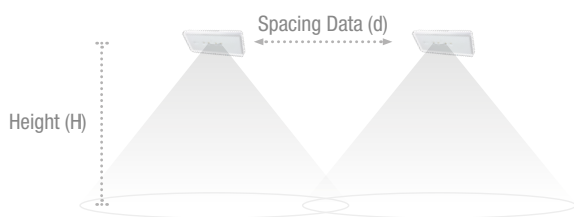
XENA FLAT

ZEMPER

SPACING TABLE

Spacing table calculated with 1 lux minimum illuminance

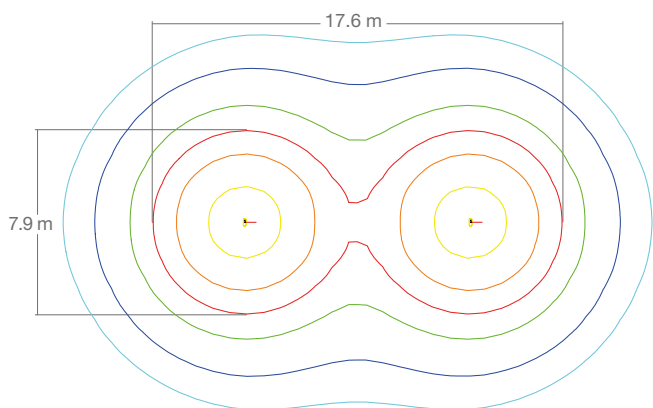
Height (H)	Spacing Data (d)								
	50 lm	70 lm	95 lm	150 lm	225 lm	350 lm	420 lm	450 lm	
2.5 m	5.7 m	6.6 m	7.3 m	7.8 m	8.8 m	9.9 m	11.5 m	11.7 m	
3 m	5.8 m	6.8 m	7.7 m	9.1 m	10.4 m	11.9 m	12.5 m	12.7 m	
4 m	5.5 m	6.9 m	8.0 m	9.8 m	11.4 m	13.3 m	14.1 m	14.4 m	
5 m	3.7 m	6.3 m	7.9 m	10.1 m	12.1 m	14.3 m	15.2 m	15.6 m	
6 m	3.2 m	4.2 m	7.2 m	10.0 m	12.3 m	14.9 m	16.0 m	16.4 m	



Height (H)	Spacing Data (d)	
	600 lm	850 lm
6 m	18.2 m	20.4 m
8 m	19.6 m	22.4 m
10 m	20.2 m	23.6 m
12 m	20.0 m	24.0 m
14 m	18.9 m	23.9 m

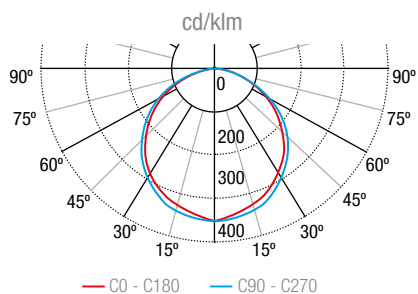
ISOLUX CURVE

225 lm luminaire placed at 3 m height



Isoline — 0.1 lx — 0.2 lx — 0.5 lx — 1.0 lx — 2.0 lx — 5.0 lx

PHOTOMETRIC GUIDE



ACCESSORIES



ABX4071
Accessories for ceiling recessed mounted (white colour) + transparent panel X6 (without digital printing)

Set of pictographs (not included)



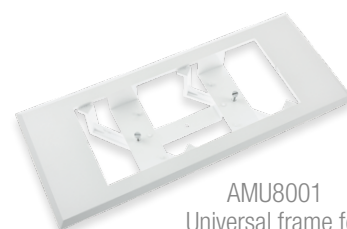
AED0071
Accessories for wall semi-recessed mounted (white colour)



AMD0041
Accessories for ceiling recessed mounted (white colour)



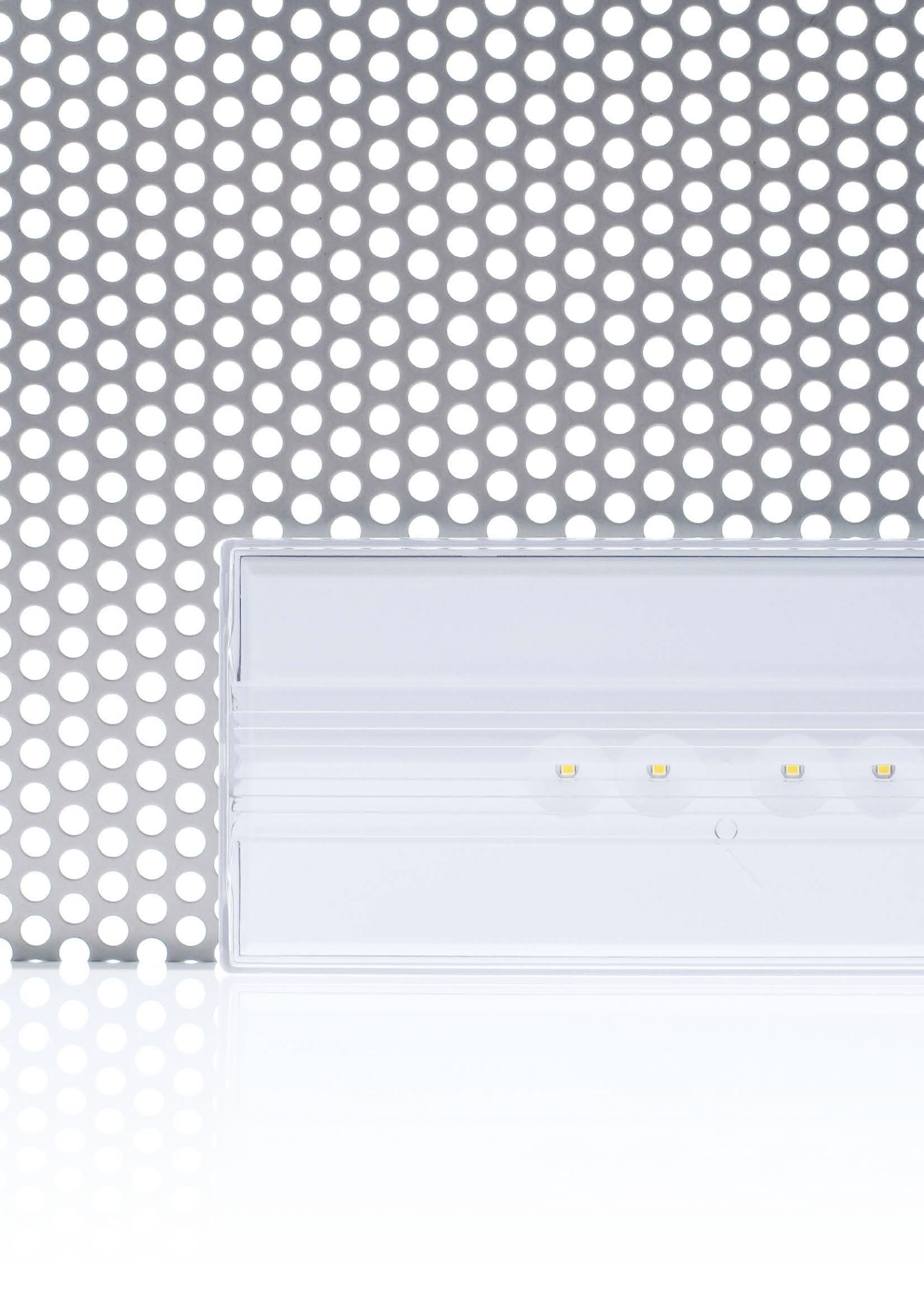
APT316
Modular self-adhesive signalling pictogram set with 4 arrows



AMU8001
Universal frame for holes with 8W to Diana/Xena









50 - 95 lm Emergency






100 - 225 lm Emergency



250 - 800 lm Emergency

DIANA FLAT

SPECIFICATION

-  Polycarbonate body
-  Diffuser: Transparent Polycarbonate
-  IP44
-  IK07
-  95 lm - 800 lm
-  Duration: 1 - 3 - 8 h · Battery: Ni-CD / LiFePO₄
-  Charging time: 24 h (Ni-Cd) / 12 h (LiFePO₄)
-  Supply: 230 V - 50 Hz
-  LED temperature: 4000 °K
-  Working temperature: 0 °C to +40 °C
-  Standard
-  AutoTest
-  SmartZ[®]



AutoTest, SmartZ[®] & DALI-2 Lithium

WARRANTY

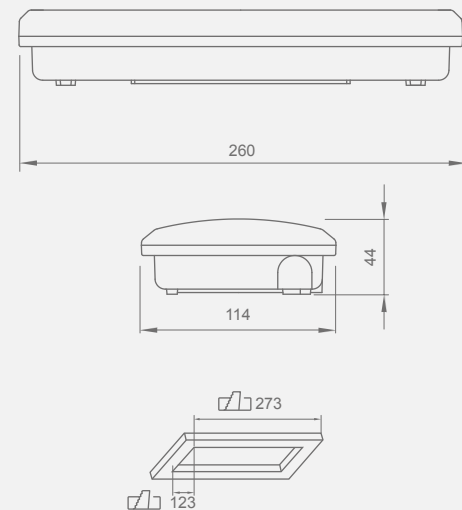
5 YEAR

EVOCIO

WARRANTY

10 YEAR

DIMENSIONS (mm)



STANDARDS COMPLIANCE

- EN-60598-2-22
- AutoTest: EN-62034
- DALI-2: EN 62386
- Wireless SmartZ[®]: ETSI EN 303 447-1

CERTIFICATIONS



RANGE

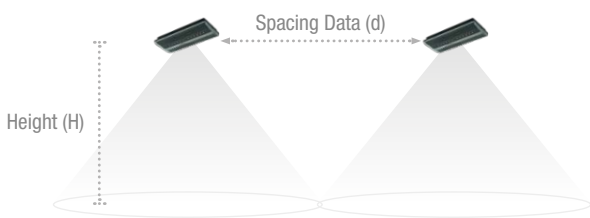
	Emergency	Mains	Type*	Dur.	Battery	Part number
Standard	95 lm		NM	1 h	3.6V 0.3 NiCd	LDF3100C
	225 lm		NM	1 h	3.6V 0.8 NiCd	LDF3200C
	450 lm		NM	1 h	3.6V 1.6 NiCd	LDF3500C
	600 lm		NM	1 h	4.8V 1.6 NiCd	LDF3600C
	800 lm		NM	1 h	6.0V 1.6 NiCd	LDF3800C
	150 lm		NM	3 h	3.6V 1.6 NiCd	LDF9150C3
AutoTest	95 lm		NM	1 h	3.6V 0.3 NiCd	LDF9100X
	225 lm		NM	1 h	3.6V 0.8 NiCd	LDF9200X
	390 lm		NM	1 h	3.2V 1.5A/h LiFePO ₄	LDF9400LX
	390 lm	250 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LDF9400LXP
	450 lm		NM	1 h	3.6V 1.6 NiCd	LDF9500X
	600 lm		NM	1 h	4.8V 1.6 NiCd	LDF9600X
	800 lm		NM	1 h	6.0V 1.6 NiCd	LDF9800X
	795 lm		NM	1 h	6.4V 1.5A/h LiFePO ₄	LDF9800LX
	795 lm	400 lm	M/NM	1 h	6.4V 1.5A/h LiFePO ₄	LDF9800LXP
	150 lm		NM	3 h	3.6V 1.6 NiCd	LDF9150X3
	150 lm		NM	3 h	3.2V 1.5A/h LiFePO ₄	LDF9150LX3
	150 lm	90 lm	M/NM	3 h	3.2V 1.5A/h LiFePO ₄	LDF9150LXP3
DALI	390 lm	250 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LDF9400LAP
	795 lm	400 lm	M/NM	1 h	6.4V 1.5A/h LiFePO ₄	LDF9800LAP
	150 lm	90 lm	M/NM	3 h	3.2V 1.5A/h LiFePO ₄	LDF9150LAP3
Wireless SmartZ®	390 lm	250 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LDF9400LWP
	795 lm	400 lm	M/NM	1 h	6.4V 1.5A/h LiFePO ₄	LDF9800LWP
	150 lm	90 lm	M/NM	3 h	3.2V 1.5A/h LiFePO ₄	LDF9150LWP3
	100 lm	60 lm	M/NM	8 h	3.2V 3.0A/h LiFePO ₄	LDF9100LWP8

*NM: Non Maintained. The luminaire operates from emergency supply only upon failure of the normal mains supply.
 *M/NM: Maintained/Non Maintained. With a switch which allows to select Maintained or Non Maintained mode function.

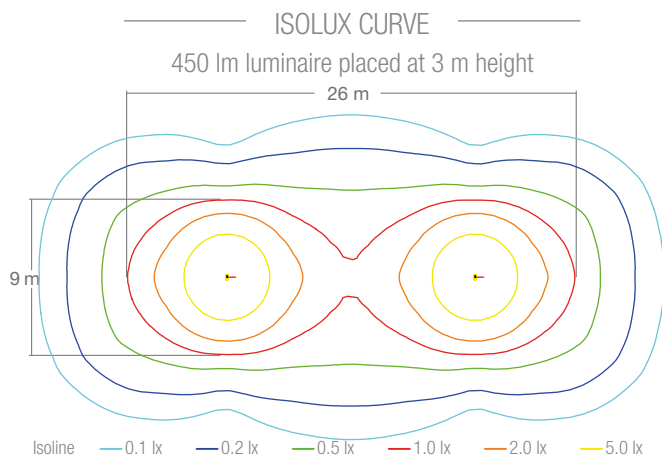
For version in black colour, add an 'N' at the end of the part number.

SPACING TABLE

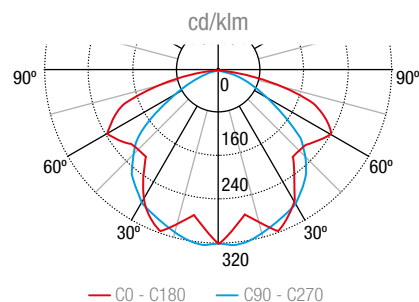
Spacing table calculated with 1 lux minimum illuminance



Height (H)	Spacing Data (d)				
	95 lm	225 lm	450 lm	600 lm	800 lm
2.5 m	8.2 m	11.3 m	14.0 m		
3 m	7.3 m	12.0 m	15.0 m		
4 m	7.8 m	12.7 m	16.7 m		
5 m	7.6 m	12.1 m	17.7 m		
6 m	6.7 m	11.9 m	17.8 m	20.7 m	23.0 m
8 m				19.9 m	23.8 m
10 m				18.5 m	22.4 m
12 m				17.9 m	21.0 m
14 m				17.4 m	20.6 m



PHOTOMETRIC GUIDE



DIANA FLAT

ZEMPER

ACCESSORIES



CDD008
Opal diffuser (-20% lumen output)



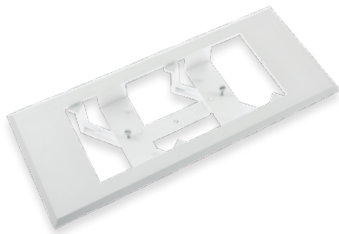
AED0071
Accessories for wall semi-recessed mounted (white colour)



AGV120
Protective Grille



AIF001
Slope accessory
47° Flat



AMU8001
Universal frame for holes with 8W to Diana/Xena



AMD0051
Accessories for wall recessed mounted (white colour)



AKF001
IK10 accessory
Diana Flat



KEYC
Cylindrical housing IP65



APE0065
IP66 weatherproof kit



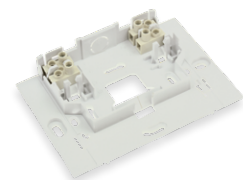
APE144
IP44 weatherproof kit, specially indicated for parking areas



90091NMF
Accessories for ceiling recessed mounted (white colour) + transparent panel D6 (without digital printing)



APT316
Modular self-adhesive signalling pictogram set with 4 arrows



YPD0030
Diana connection mounting plate

Set of pictographs (not included)



APV616

APV617

APV618

APV619





IP 66
1 2 3 4 5 6 1 2 3 4 5 6 7 8 9
 Ingress Protection Protection from Solids (dust, dirt...) Protection from Liquids (water...)

IK 10
00 01 02 03 04 05 06 07 08 09 10
 Impact Rating Impact Protection

DIANA IP66

SPECIFICATION

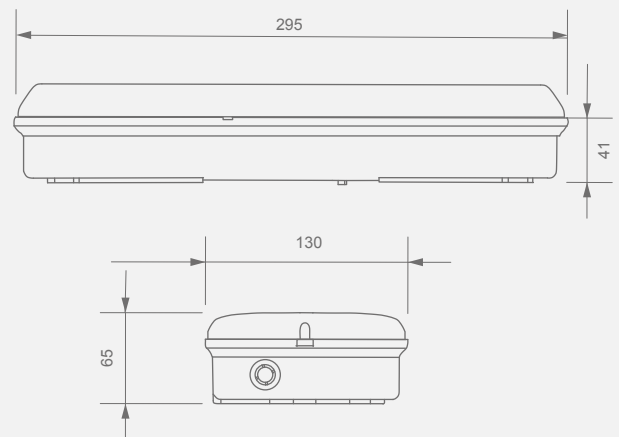
- Transparent Polycarbonate body
- Diffuser: Transparent Polycarbonate
- IP66
- IK10
- 95 lm - 800 lm
- Duration: 1 - 3 h · Battery: Ni-CD / LiFePO₄
- Charging time: 24 h (Ni-Cd) / 12 h (LiFePO₄)
- Supply: 230 V - 50 Hz
- LED temperature: 4000 °K
- Working temperature: 0 °C to +40 °C
- Standard
- AutoTest
- SmartZ®
- DALI 2

AutoTest, SmartZ® & DALI-2 Lithium

WARRANTY
5 YEAR

EVCI0
WARRANTY
10 YEAR

DIMENSIONS (mm)



STANDARDS COMPLIANCE

EN-60598-2-22
 AutoTest: EN-62034
 DALI-2: EN 62386
 Wireless SmartZ®: ETSI EN 303 447-1

CERTIFICATIONS



RANGE

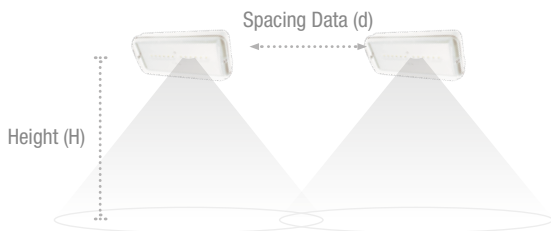
	Emergency	Mains	Type*	Dur.	Battery	Part number
Standard	95 lm		NM	1 h	3.6V 0.3 NiCd	LXE3100C
	225 lm		NM	1 h	3.6V 0.8 NiCd	LXE3200C
	450 lm		NM	1 h	3.6V 1.6 NiCd	LXE3500C
	600 lm		NM	1 h	4.8V 1.6 NiCd	LXE3600C
	800 lm		NM	1 h	6.0V 1.6 NiCd	LXE3800C
	150 lm		NM	3 h	3.6V 1.6 NiCd	LXE3150C3
AutoTest	95 lm		NM	1 h	3.6V 0.3 NiCd	LXE9100X
	225 lm		NM	1 h	3.6V 0.8 NiCd	LXE9200X
	390 lm		NM	1 h	3.2V 1.5A/h LiFePO ₄	LXE9400LX
	390 lm	250 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LXE9400LXP
	450 lm		NM	1 h	3.6V 1.6 NiCd	LXE9500X
	600 lm		NM	1 h	4.8V 1.6 NiCd	LXE9600X
	800 lm		NM	1 h	6.0V 1.6 NiCd	LXE9800X
	800 lm		NM	1 h	6.4V 1.5A/h LiFePO ₄	LXE9800LX
	800 lm	400 lm	M/NM	1 h	6.4V 1.5A/h LiFePO ₄	LXE9800LXP
	150 lm		NM	3 h	3.6V 1.6 NiCd	LXE9150X3
	150 lm		NM	3 h	3.2V 1.5A/h LiFePO ₄	LXE9150LX3
	150 lm	90 lm	M/NM	3 h	3.2V 1.5A/h LiFePO ₄	LXE9150LXP3
BALI	390 lm	250 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LXE9400LAP
	800 lm	400 lm	M/NM	1 h	6.4V 1.5A/h LiFePO ₄	LXE9800LAP
	150 lm	90 lm	M/NM	3 h	3.2V 1.5A/h LiFePO ₄	LXE9150LAP3
	300 lm	180 lm	M/NM	3 h	6.4V 1.5A/h LiFePO ₄	LXE9300LAP3
Wireless SmartZ®	390 lm	250 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LXE9400LWP
	800 lm	400 lm	M/NM	1 h	6.4V 1.5A/h LiFePO ₄	LXE9800LWP
	150 lm	90 lm	M/NM	3 h	3.2V 1.5A/h LiFePO ₄	LXE9150LWP3

*NM: Non Maintained. The luminaire operates from emergency supply only upon failure of the normal mains supply.

*M/NM: Maintained/Non Maintained. With a switch which allows to select Maintained or Non Maintained mode function.

SPACING TABLE

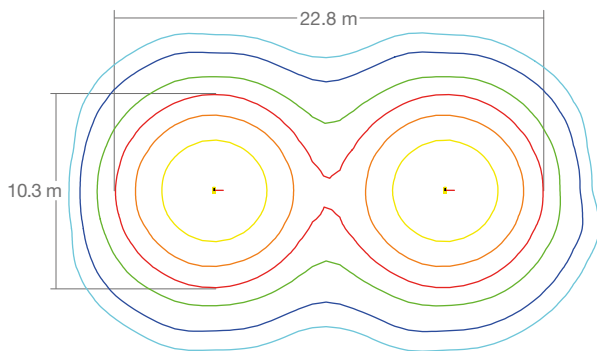
Spacing table calculated with 1 lux minimum illuminance



Height (H)	Spacing Data (d)				
	95 lm	225 lm	450 lm	600 lm	800 lm
2.5 m	7.7 m	9.8 m	11.4 m		
3 m	8.1 m	10.8 m	12.8 m		
4 m	8.4 m	12.0 m	14.8 m		
5 m	8.2 m	12.5 m	16.3 m		
6 m	7.6 m	12.8 m	17.1 m	19.1 m	20.9 m
8 m				20.4 m	23.1 m
10 m				21.0 m	23.8 m
12 m				20.9 m	24.3 m
14 m				20.0 m	24.1 m

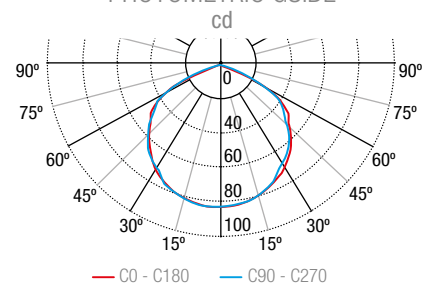
ISOLUX CURVE

450 lm luminaire placed at 3 m height



Isoline — 0.1 lx — 0.2 lx — 0.5 lx — 1.0 lx — 2.0 lx — 5.0 lx

PHOTOMETRIC GUIDE



ACCESSORIES

You may place arrow and running man in the direction you need:

And place it inside the Diana IP66 luminaire:



APF600
(Under request)







IP 65
1 2 3 4 5 6 1 2 3 4 5 6 7 8 9
 Ingress Protection Protection from Solids (dust, dirt...) Protection from Liquids (water...)

IK 10
00 01 02 03 04 05 06 07 08 09 10
 Impact Rating Impact Protection

ARIAN

IP65

IK10

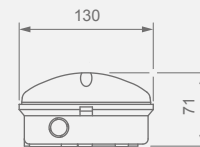
+25°C
 -30°C

SPECIFICATION

- Polycarbonate body
- Diffuser: Opal Polycarbonate
- IP** IP65
- IK** IK10
- Im** 150 lm - 1 000 lm
- Duration: 1 - 3 - 8 h · Battery: LiFePO₄
- Charging time: 12 h / 24 h (Cold)
- Supply: 230 V - 50 Hz
- LED** LED temperature: 4000 °K
- Working temperature: 0 °C to +40 °C / -30 °C to +25 °C
- AutoTest
- SmartZ®



DIMENSIONS (mm)




STANDARDS COMPLIANCE

EN-60598-2-22
 AutoTest: EN-62034
 DALI-2: EN 62386
 Wireless SmartZ®: ETSI EN 303 447-1

CERTIFICATIONS




RANGE

	Emergency	Mains	Type*	Dur.	Battery	Part number
AutoTest	390 lm		NM	1 h	3.2V 1.5A/h LiFePO ₄	LAE9400LX
	390 lm	230 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LAE9400LXP
	795 lm	400 lm	M/NM	1 h	6.4V 1.5A/h LiFePO ₄	LAE9800LXP
	1 000 lm	400 lm	M/NM	1 h	6.4V 3.0A/h LiFePO ₄	LAE9990LXP
	150 lm		NM	3 h	3.2V 1.5A/h LiFePO ₄	LAE9150LX3
	390 lm	230 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LAE9400LAP
	795 lm	400 lm	M/NM	1 h	6.4V 1.5A/h LiFePO ₄	LAE9800LAP
	1 000 lm	400 lm	M/NM	1 h	6.4V 3.0A/h LiFePO ₄	LAE9990LAP
	150 lm	90 lm	M/NM	3 h	3.2V 1.5A/h LiFePO ₄	LAE9150LAP3
Wireless SmartZ®	390 lm	230 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LAE9400LWP
	795 lm	400 lm	M/NM	1 h	6.4V 1.5A/h LiFePO ₄	LAE9800LWP
	1 000 lm	400 lm	M/NM	1 h	6.4V 3.0A/h LiFePO ₄	LAE9990LWP
	150 lm	90 lm	M/NM	3 h	3.2V 1.5A/h LiFePO ₄	LAE9150LWP3



ARIAN COLD**



	Emergency	Mains	Type*	Dur.	Battery	Part number
AutoTest	390 lm		NM	1 h	3.2V 1.5A/h LiFePO ₄	LAC9400LX
	390 lm	230 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LAC9400LXP
	700 lm		NM	1 h	6.4V 1.5A/h LiFePO ₄	LAC9700LX
	390 lm	230 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LAC9400LAP
Wireless SmartZ®	390 lm	230 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LAC9400LWP
	700 lm		NM	1 h	6.4V 1.5A/h LiFePO ₄	LAC9700LW
	100 lm		NM	8 h	3.2V 3.0A/h LiFePO ₄	LAC9100L8W

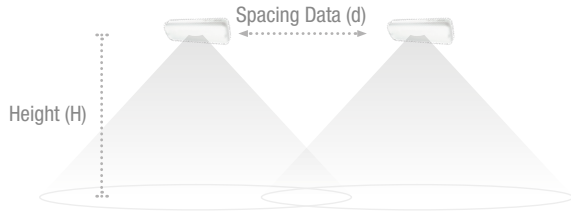
*NM: Non Maintained. The luminaire operates from emergency supply only upon failure of the normal mains supply.

*M/NM: Maintained/Non Maintained. With a third terminal which allows to switch off/on the Maintained mode when connected to mains supply.

** Special part numbers for cold storage rooms.

SPACING TABLE

Spacing table calculated with 1 lux minimum illuminance



Height (H) Spacing Data (d)

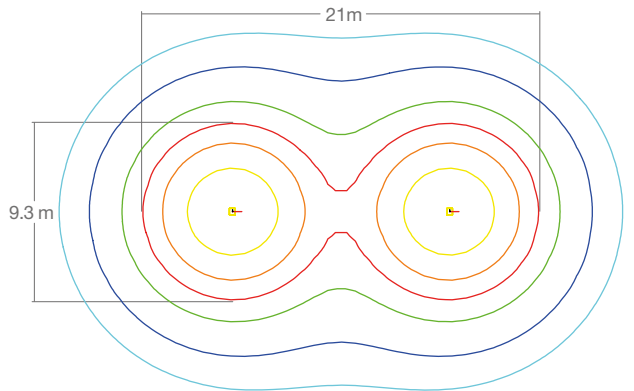
Height (H)	Spacing Data (d)
	390 lm
2.5 m	11.0 m
3 m	13.3 m
4 m	14.4 m
5 m	15.1 m
6 m	15.6 m

Height (H) Spacing Data (d)

Height (H)	Spacing Data (d)	
	800 lm	1 000 lm
6 m	19.4 m	20.9 m
8 m	21.3 m	23.0 m
10 m	22.3 m	24.4 m
12 m	22.5 m	25.1 m
14 m	22.2 m	25.2 m

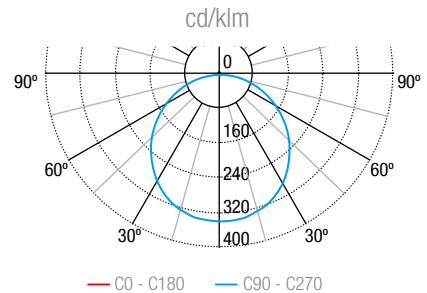
ISOLUX CURVE

390 lm luminaire placed at 3m height



Isoline — 0.1 lx — 0.2 lx — 0.5 lx — 1.0 lx — 2.0 lx — 5.0 lx

PHOTOMETRIC GUIDE



— C0 - C180 — C90 - C270

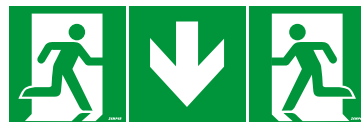
ACCESSORIES



AGA230
Protection grille



ATE27101
White ceiling recessed
accessory



APT316
Modular self-adhesive signalling
pictogram set with 4 arrows



ADBA008
Diffuser + exit sign kit for Arian weatherproof

Set of pictographs (not included)



APV616 APV617 APV618 APV619





OUTLIGHT

IP65 IK10

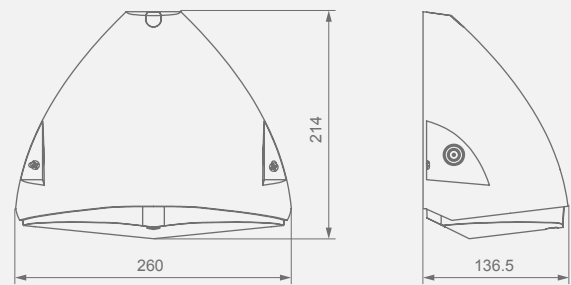
SPECIFICATION

-  Die-casting aluminum
-  Diffuser: Polycarbonate
-  IP65
-  IK10
-  300 lm
-  Duration: 1 h · Battery: LiFePO₄
-  Charging time: 24 h
-  Supply: 220 - 240 V - 50 / 60 Hz
-  LED temperature: 3000 °K / 4000 °K
-  Working temperature:
0 °C to +40 °C
-  AutoTest

AutoTest, SmartZ[®]
& DALI-2 Lithium

WARRANTY
5
YEAR

DIMENSIONS (mm)



STANDARDS COMPLIANCE

EN-60598-2-22
EN-60598-1

CERTIFICATIONS

CE

RANGE

Emergency	Type*	Dur.	Battery	Part number
AutoTest	300 lm	M/NM	1 h 3.2V 1.5Ah LiFePO ₄	LOE3300LXP

*M/NM: Maintained/Non Maintained. With a third terminal which allows to switch off/on the Maintained mode when connected to mains supply.

SPACING TABLE

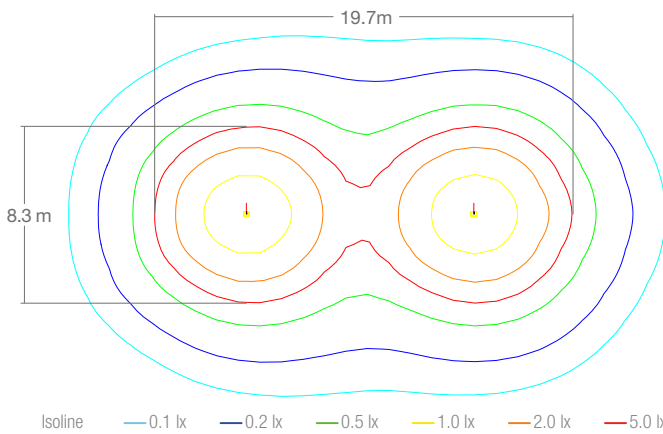
Spacing table calculated with 1 lux minimum illuminance



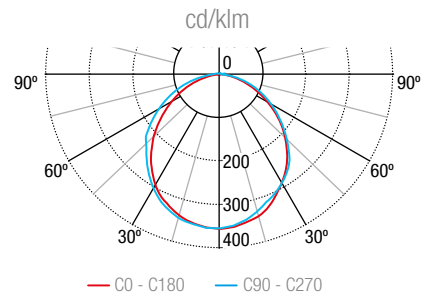
Height (H)	Spacing Data (d)
	300 lm
2.5 m	10.36 m
3 m	11.15 m
4 m	12.39 m
5 m	13.25 m
6 m	13.76 m

ISOLUX CURVE

300 lm luminaire placed at 3m height



PHOTOMETRIC GUIDE





NEPTUNO

IP67 IK07 INOX



+25°C
-30°C

SPECIFICATION



Stainless steel body



Diffuser: Opal Polycarbonate

IP

IP67

IK

IK07

lm

350 lm - 950 lm



Duration: 1 h · Battery: LiFePO₄



Charging time: 12 h / 24 h (Cold)



Supply: 230 V - 50 Hz

LED

LED temperature: 4000 °K



Working temperature:
0 °C to +40 °C / -30 °C to +25 °C

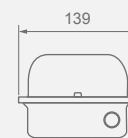


AutoTest

AutoTest, SmartZ[®]
& DALI-2 Lithium

WARRANTY
5
YEAR

DIMENSIONS (mm)



STANDARDS COMPLIANCE

EN-60598-2-22
AutoTest: EN-62034

CERTIFICATIONS



RANGE

	Emergency	Mains	Type*	Dur.	Battery	Part number
AutoTest	350 lm	210 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LNE9300LXP
	580 lm	350 lm	M/NM	1 h	6.4V 1.5A/h LiFePO ₄	LNE9500LXP
	950 lm	400 lm	M/NM	1 h	6.4V 3.0A/h LiFePO ₄	LNE9990LXP

NEPTUNO COLD

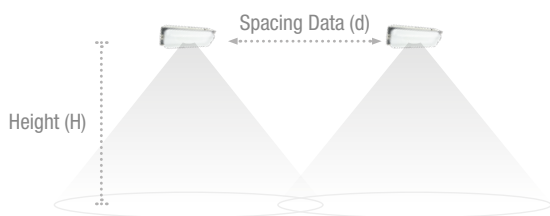


	Emergency	Mains	Type*	Dur.	Battery	Part number
AutoTest	350 lm	210 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LNC9300LXP

*M/NM: Maintained/Non Maintained. With a third terminal which allows to switch off/on the Maintained mode when connected to mains supply.

SPACING TABLE

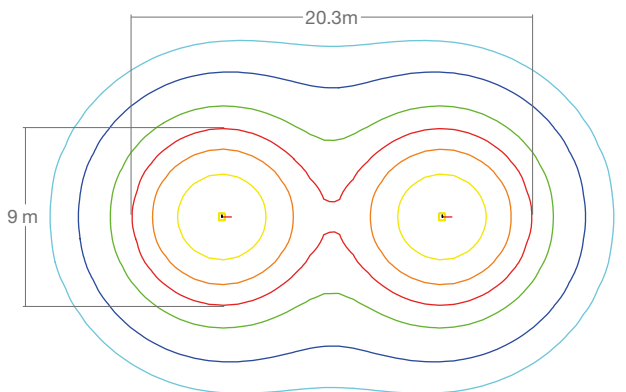
Spacing table calculated with 1 lux minimum illuminance



Height (H)	Spacing Data (d)		
	350 lm	580 lm	950 lm
2.5 m	10.7 m		
3 m	11.6 m		
4 m	12.9 m		
5 m	13.7 m		
6 m	14.3 m	17.4 m	20.6 m
8 m		18.6 m	22.5 m
10 m		19.4 m	23.6 m
12 m		19.3 m	24.6 m
14 m		17.7 m	24.9 m

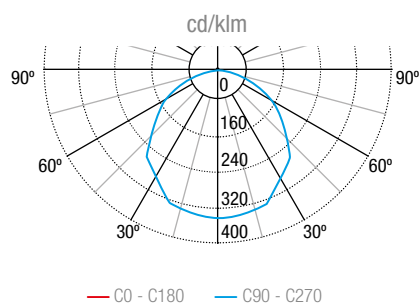
ISOLUX CURVE

350 lm luminaire placed at 3m height



Isoline — 0.1 lx — 0.2 lx — 0.5 lx — 1.0 lx — 2.0 lx — 5.0 lx

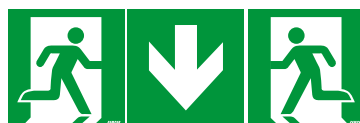
PHOTOMETRIC GUIDE



ACCESSORIES



AGA230
Protection
grille



APT316
Modular self-adhesive
signalling pictogram
set with 4 arrows





We continue to evolve towards sustainability while maintaining our focus on facilitating the work of our installers.

Sustainability

50% smaller pcb - 100% recycled plastic materials used



Directional spotlight

MAXILUM EVO

IP65



+25°C
-30°C

SPECIFICATION



Polycarbonate body



2x LED 10w / 20w

IP

IP65

IK

IK07 / IK10 (protection grille)

lm

1 500 lm - 3 300 lm



Duration: 1 - 3 · Battery: LiFePO₄



Charging time: 12 h / 24 h (Cold)



Supply: 230 V - 50 Hz

LED

LED temperature: 4000 °K



Working temperature:
0 °C to +40 °C / -30 °C to +25 °C



AutoTest

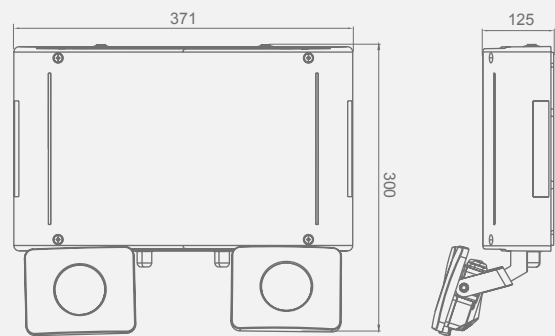


SmartZ®

AutoTest, SmartZ®
& DALI-2 Lithium



DIMENSIONS (mm)




STANDARDS COMPLIANCE

EN-60598-1
EN-60598-2-22
AutoTest: EN-62034
DALI-2: EN 62386
Wireless SmartZ®: ETSI EN 303 447-1

CERTIFICATIONS




RANGE

	Emergency	Type*	Dur.	Battery (Units/Ah)	Part number
AutoTest	1 500 lm	NM	1 h	12.8V 3.0A/h LiFePO ₄	PMV1500LX
	3 300 lm	NM	1 h	2 x 12.8V 3.0A/h LiFePO ₄	PMV3000LX
	1 500 lm	NM	3 h	2 x 12.8V 3.0A/h LiFePO ₄	PMV1500LX3
	1 500 lm	NM	1 h	12.8V 3.0A/h LiFePO ₄	PMV1500LA
	3 300 lm	NM	1 h	2 x 12.8V 3.0A/h LiFePO ₄	PMV3000LA
	1 500 lm	NM	3 h	2 x 12.8V 3.0A/h LiFePO ₄	PMV1500LA3
Wireless SmartZ®	1 500 lm	NM	1 h	12.8V 3.0A/h LiFePO ₄	PMV1500LW
	3 300 lm	NM	1 h	2 x 12.8V 3.0A/h LiFePO ₄	PMV3000LW
	1 500 lm	NM	3 h	2 x 12.8V 3.0A/h LiFePO ₄	PMV1500LW3

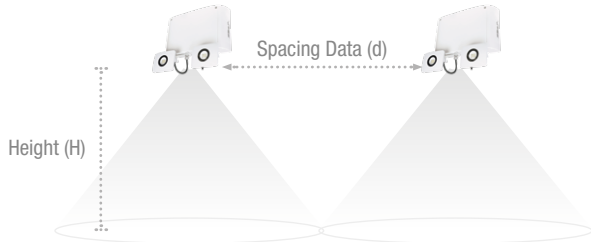
MAXILUM EVO COLD



	Emergency	Type*	Dur.	Battery (Units/Ah)	Part number
AutoTest	1 500 lm	NM	1 h	12.8V 3.0A/h LiFePO ₄	PMV1500LXF
	3 300 lm	NM	1 h	2 x 12.8V 3.0A/h LiFePO ₄	PMV3000LXF
	1 500 lm	NM	3 h	2 x 12.8V 3.0A/h LiFePO ₄	PMV1500LX3F
	3 300 lm	NM	1 h	2 x 12.8V 3.0A/h LiFePO ₄	PMV3000LAF
	1 500 lm	NM	3 h	2 x 12.8V 3.0A/h LiFePO ₄	PMV1500LAF3
	1 500 lm	NM	3 h	2 x 12.8V 3.0A/h LiFePO ₄	PMV1500LW3F
Wireless SmartZ®	1 500 lm	NM	1 h	12.8V 3.0A/h LiFePO ₄	PMV1500LWF
	3 300 lm	NM	1 h	2 x 12.8V 3.0A/h LiFePO ₄	PMV3000LWF
	1 500 lm	NM	3 h	2 x 12.8V 3.0A/h LiFePO ₄	PMV1500LW3F

*NM: Non Maintained. The luminaire operates from emergency supply only upon failure of the normal mains supply.

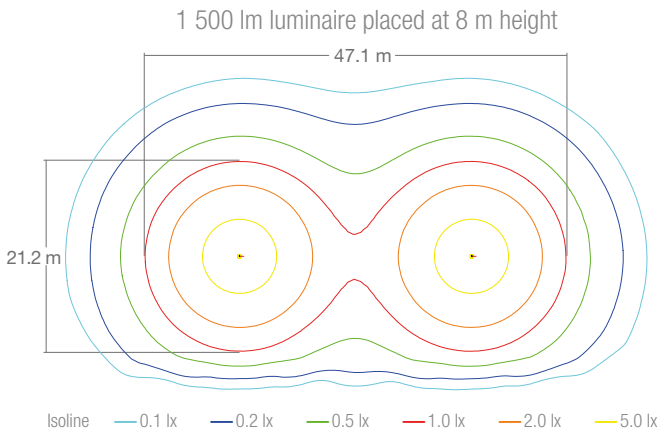
SPACING TABLE



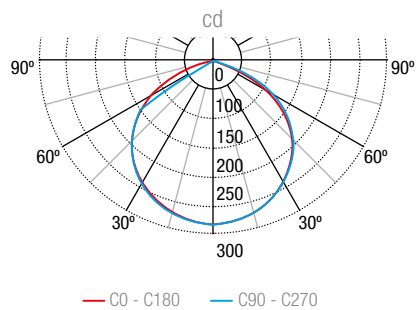
Spacing table calculated with 1 lux minimum illuminance

Height (H)	Spacing Data (d)	
	1 500 lm	3 300 lm
6 m	23.9 m	28.5 m
8 m	27.5 m	33.5 m
10 m	29.8 m	37.6 m
12 m	31.6 m	40.9 m
14 m	32.7 m	43.3 m

ISOLUX CURVE



PHOTOMETRIC GUIDE



ACCESSORIES



AGM160
Protection grille
IK10







ALYA TRACK

SPECIFICATION



Polycarbonate body



Optics: Circular Lens + Hall Lens

IP

IP20

IK

IK04

lm

300 lm - 390 lm



Duration: 1 - 3 h · Battery: LiFePO₄



Charging time: 12 h



Supply: 230 V - 50 Hz

LED

LED temperature: 4000 °K



Working temperature: 0 °C to +40 °C



AutoTest



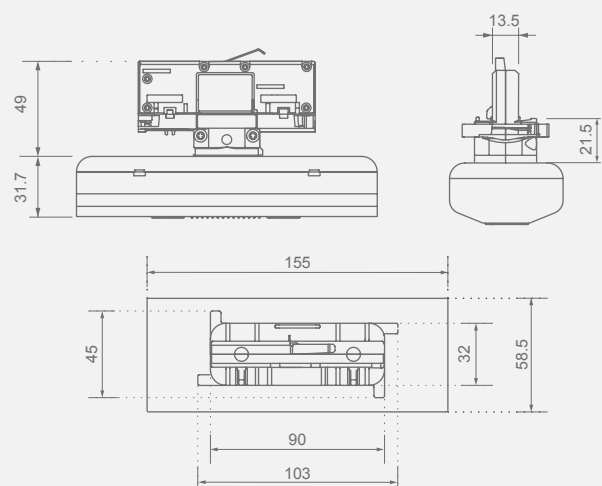
SmartZ[®]



AutoTest, SmartZ[®]
& DALI-2 Lithium



DIMENSIONS (mm)




STANDARDS COMPLIANCE

EN-60598-2-22
AutoTest: EN-62034
DALI-2: EN 62386
Wireless SmartZ[®]: ETSI EN 303 447-1

CERTIFICATIONS



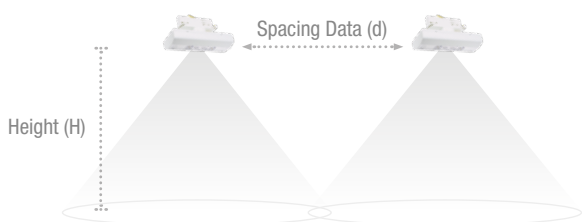
RANGE

	Emergency	Mains	Type*	Dur.	Battery	Part number
AutoTest	390 lm	235 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LYA6400LXP
	300 lm	180 lm	M/NM	3 h	3.2V 3.0A/h LiFePO ₄	LYA6300LXP3
	390 lm	235 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LYA6400LAP
	300 lm	180 lm	M/NM	3 h	3.2V 3.0A/h LiFePO ₄	LYA6300LAP3
Wireless SmartZ®	390 lm	235 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LYA6400LWP
	300 lm	180 lm	M/NM	3 h	3.2V 1.5A/h LiFePO ₄	LYA6300LWP3

*M/NM: Maintained/Non Maintained. With a switch which allows to select Maintained or Non Maintained mode funtion.
For version in black colour, add an 'N' at the end of the part number.

SPACING TABLE

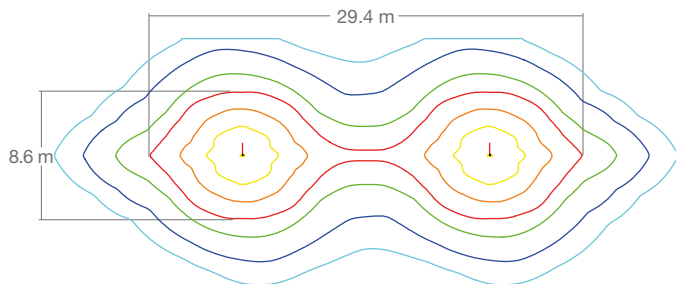
Spacing table calculated with 1 lux minimum illuminance



Height (H)	Spacing Data (d)	
	300 lm	390 lm
2.5 m	14.8 m	14.8 m
3 m	16.5 m	17.8 m
4 m	16.4 m	19.1 m
5 m	16.1 m	18.7 m
6 m	14.0 m	17.9 m

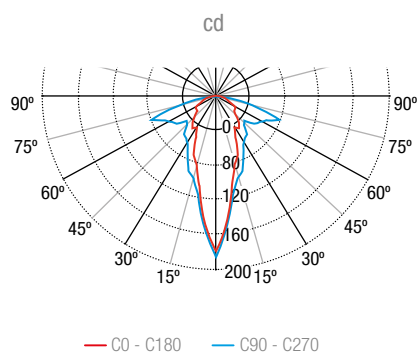
ISOLUX CURVE

390 lm luminaire placed at 3 m height



Isoline — 0.1 lx — 0.2 lx — 0.5 lx — 1.0 lx — 2.0 lx — 5.0 lx

PHOTOMETRIC GUIDE



— C0 - C180 — C90 - C270





EXITALYA TRACK

SPECIFICATION



Polycarbonate body

IP

IP20

IK

IK04



Duration: 1 - 3 h · Battery: LiFePO₄



Charging time: 12 h



Supply: 230 V - 50 Hz

LED

LED temperature: 4000 °K



Working temperature: 0 °C to +40 °C



AutoTest



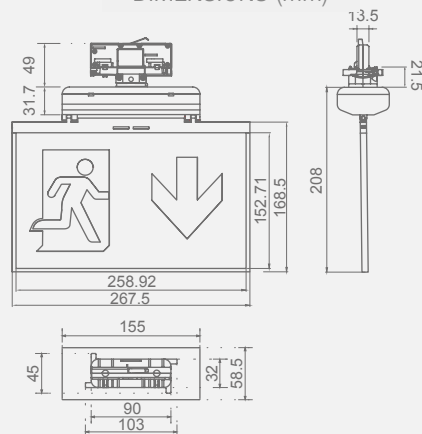
SmartZ®



AutoTest, SmartZ®
& DALI-2 Lithium



DIMENSIONS (mm)



VIEWING DISTANCE




STANDARDS COMPLIANCE

EN-60598-2-22
AutoTest: EN-62034
DALI-2: EN 62386
Wireless SmartZ®: ETSI EN 303 447-1

CERTIFICATIONS



RANGE

	Type*	Dur.	Battery	Part number
AutoTest	M	1 h	3.2V 1.0A/h LiFePO ₄	LYE6070LXP
	M	3 h	3.2V 1.5A/h LiFePO ₄	LYE6070LXP3
	M	1 h	3.2V 1.0A/h LiFePO ₄	LYE6070LAP
	M	3 h	3.2V 1.5A/h LiFePO ₄	LYE6070LAP3
Wireless SmartZ®	M	1 h	3.2V 1.0A/h LiFePO ₄	LYE6070LWP
	M	3 h	3.2V 1.5A/h LiFePO ₄	LYE6070LWP3

*M: Maintained.

For version in black colour, add an 'N' at the end of the part number.

It is supplied with a complete set of pictograms



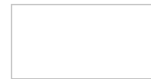
1 unit



1 unit



2 units



1 unit (white)





SPAZIO LUZ TRACK

SPECIFICATION



Polycarbonate body



Diffuser: Transparent Polycarbonate

IP

IP20

IK

IK04

lm

170 lm - 425 lm



Duration: 1 - 3 h · Battery: LiFePO₄



Charging time: 12 h



Supply: 230 V - 50 Hz

LED

LED temperature: 4000 °K



Working temperature: 0 °C to +40 °C



AutoTest



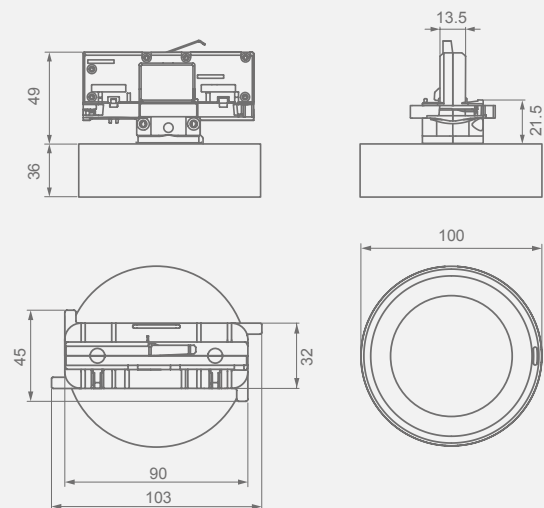
SmartZ®



AutoTest, SmartZ®
& DALI-2 Lithium



DIMENSIONS (mm)




STANDARDS COMPLIANCE

EN-60598-2-22
AutoTest: EN-62034
DALI-2: EN 62386
Wireless SmartZ®: ETSI EN 303 447-1

CERTIFICATIONS

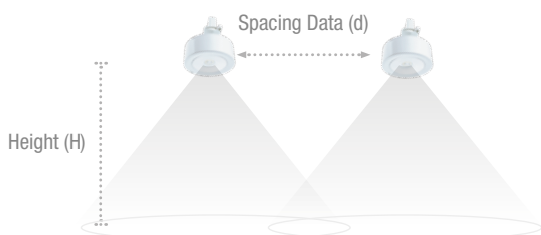


RANGE

	Emergency	Mains	Type*	Dur.	Battery	Part number
AutoTest	425 lm	250 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LUZ6400LXP
	170 lm	100 lm	M/NM	3 h	3.2V 1.5A/h LiFePO ₄	LUZ6170LXP3
	425 lm	250 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LUZ6400LAP
	170 lm	100 lm	M/NM	3 h	3.2V 1.5A/h LiFePO ₄	LUZ6170LAP3
Wireless SmartZ [®]	425 lm	250 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LUZ6400LWP
	170 lm	100 lm	M/NM	3 h	3.2V 1.5A/h LiFePO ₄	LUZ6170LWP3

*NM: Non Maintained. The luminaire operates from emergency supply only upon failure of the normal mains supply.
For version in black colour, add an 'N' at the end of the part number.

SPACING TABLE

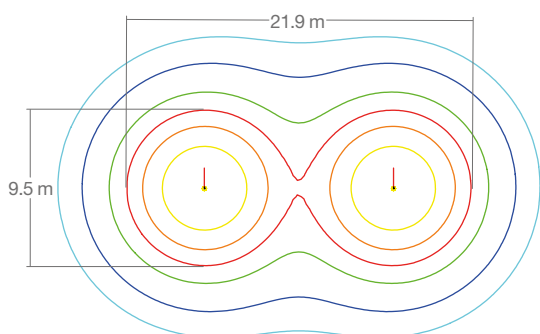


Spacing table calculated with 1 lux minimum illuminance

Height (H)	Spacing Data (d)	
	170 lm	425 lm
2.5 m	8.5 m	11.0 m
3 m	9.1 m	11.9 m
4 m	10.0 m	13.4 m
5 m	10.5 m	14.6 m
6 m	10.7 m	15.5 m

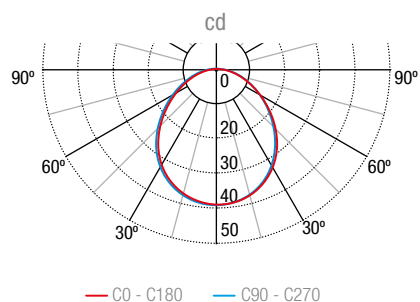
ISOLUX CURVE

425 lm luminaire placed at 3 m height



Isoline — 0.1 lx — 0.2 lx — 0.5 lx — 1.0 lx — 2.0 lx — 5.0 lx

PHOTOMETRIC GUIDE

















SPAZIO PLUS TRACK

Supplied with
ANTI-PANIC LENS and ESCAPE ROUTE LENS

SPECIFICATION

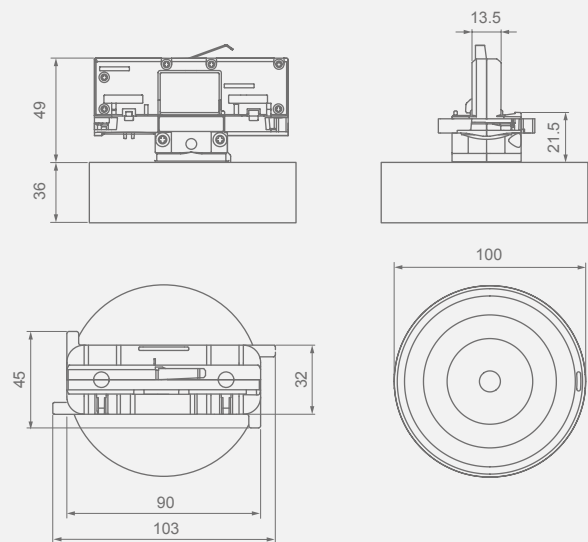
-  Polycarbonate body
-  Escape route lens - D
Anti-panic lens - R
-  IP20
-  IK04
-  165 lm - 250 lm
-  Duration: 1 - 3 h · Battery: LiFePO₄
-  Charging time: 12 h
-  Supply: 230 V - 50 Hz
-  LED temperature: 4000 °K
-  Working temperature: 0 °C to +40 °C
-  AutoTest
-  SmartZ®



AutoTest, SmartZ®
& DALI-2 Lithium



DIMENSIONS (mm)




STANDARDS COMPLIANCE

EN-60598-2-22
AutoTest: EN-62034
DALI-2: EN 62386
Wireless SmartZ®: ETSI EN 303 447-1

CERTIFICATIONS

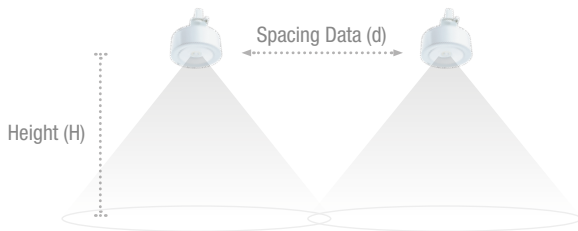


		RANGE					
	Emergency	Mains	Type*	Dur.	Battery	Part number	
AutoTest	250 lm	150 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LSP6255LXP	
	165 lm	100 lm	M/NM	3 h	3.2V 1.8A/h LiFePO ₄	LSP6175LXP3	
	250 lm	150 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LSP6255LAP	
	165 lm	100 lm	M/NM	3 h	3.2V 1.8A/h LiFePO ₄	LSP6175LAP3	
Wireless SmartZ [®]	250 lm	150 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LSP6255LWP	
	165 lm	100 lm	M/NM	3 h	3.2V 1.8A/h LiFePO ₄	LSP6175LWP3	

*M/NM: Maintained/Non Maintained. With a third terminal which allows to switch off/on the Maintained mode when connected to mains supply. For version in black colour, add an 'N' at the end of the part number.

ESCAPE ROUTE LENS

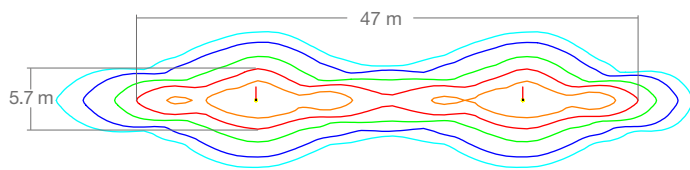
Spacing table calculated with 1 lux minimum illuminance



Height (H)	Spacing Data (d)	
	165 lm	250 lm
2.5 m	21.4 m	22.2 m
3 m	23.8 m	25.9 m
4 m	22.3 m	30.7 m
5 m	18.9 m	27.5 m
6 m	7.5 m	24.0 m

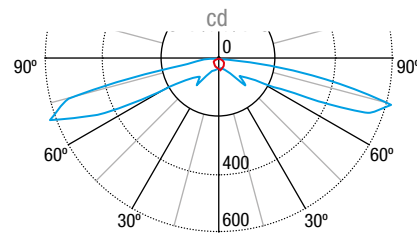
ISOLUX CURVE

250 lm luminaire placed at 3 m height



Isoline — 0.1 lx — 0.2 lx — 0.5 lx — 1.0 lx — 2.0 lx — 5.0 lx

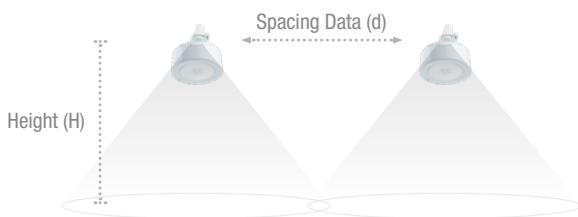
PHOTOMETRIC GUIDE



— C0 - C180 — C90 - C270

ANTI-PANIC LENS

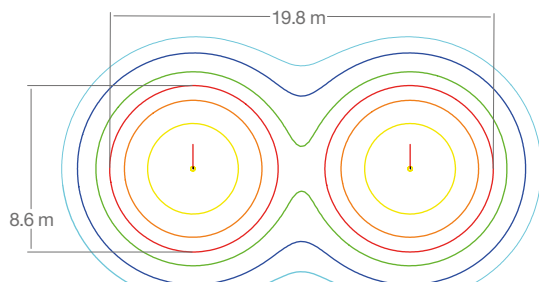
Spacing table calculated with 0.5 lux minimum illuminance



Height (H)	Spacing Data (d)	
	165 lm	250 lm
2.5 m	9.7 m	10.4 m
3 m	10.8 m	11.7 m
4 m	12.9 m	14.0 m
5 m	14.6 m	16.0 m
6 m	15.9 m	17.7 m

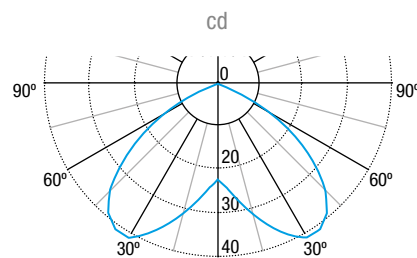
ISOLUX CURVE

250 lm luminaire placed at 3 m height



Isoline — 0.1 lx — 0.2 lx — 0.5 lx — 1.0 lx — 2.0 lx — 5.0 lx

PHOTOMETRIC GUIDE



— C0 - C180 — C90 - C270



SLAVE LUMINAIRES FOR CENTRAL BATTERY SYSTEMS

ZEMPER



SLAVE LUMINAIRES FOR CENTRAL BATTERY SYSTEMS

ZEMPER

ROUND SPAZIO



lm	Type	Lamp	Units/Box	Part number
200	24Vac/dc	Led R	12	LSR320024
200	24Vac/dc	Led D	12	LSR320124
200	230Vac/dc	Led R	12	LSR318023
200	230Vac/dc	Led D	12	LSR318123

SQUARED SPAZIO



lm	Type	Lamp	Units/Box	Part number
200	24Vac/dc	Led R	12	LSQ320024
200	24Vac/dc	Led D	12	LSQ320124
200	230Vac/dc	Led R	12	LSQ318023
200	230Vac/dc	Led D	12	LSQ318123

SPAZIO T·LED·



lm	Type	Lamp	Units/Box	Part number
200	230Vac/dc	Led R	12	LST318023
200	230Vac/dc	Led D	12	LST318123
200	24Vac/dc	Led R	12	LST320024
200	24Vac/dc	Led D	12	LST320124

SPAZIO LUZ (230Vac-48Vdc)



lm	230Vca	48Vcc	Model
45	2.3 VA	0.65 W	LUZ-0448/23
340	7.5 VA	3.5 W	LUZ-4048/23



T.LED. IP 44/65 (230Vac-48Vdc)



lm	230Vca	48Vcc	Part number
45	2.5 VA	0.7 W	LTS-0448/23
400	7.6 VA	4.0 W	LTS-4048/23
45	2.5 VA	0.7 W	LTE-0448/23
400	7.6 VA	4.0 W	LTE-4048/23

XENA (230Vac-48Vdc)



lm	230Vca	48Vcc	Part number
45	2.5 VA	0.7 W	LXF-0448/23
400	7.7 VA	4.1 W	LXF-4048/23

T·LED· IP42



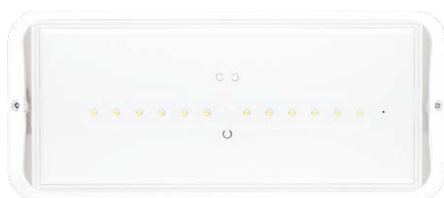
lm	Type	Lamp	Units/Box	Part number
70	230Vac/dc	LED	12	LTS407023
400	230Vac/dc	LED	12	LTS440023
70	24Vac/dc	LED	12	LTS407024
400	24Vac/dc	LED	12	LTS440024

DIANA FLAT



lm	Type	Lamp	Units/Box	Part number
70	230Vac/dc	LED	18	LDF307023
400	230Vac/dc	LED	18	LDF340023
70	24Vac/dc	LED	18	LDF307024
400	24Vac/dc	LED	18	LDF340024

DIANA IP66



lm	Type	Lamp	Units/Box	Part number
70	230Vac/dc	LED	12	LXE307023
400	230Vac/dc	LED	12	LXE340023
70	24Vac/dc	LED	12	LXE307024
400	24Vac/dc	LED	12	LXE340024

TMU - UNIVERSAL REMOTE CONTROL DEVICE

TMU-300



Description

Universal remote control device for standard and AutoTest luminaires (up to 300 luminaires)

Part number

TMU-300





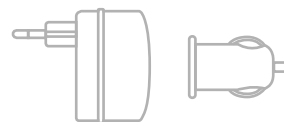
BAPI PORTABLE LAMP

LPORT03



Characteristics

- Light source:
10 LED x 0.5 W main lamp (emergency)
1 LED x 1 W Torch lamp
- Lumen output:
Main lamp: 800 lm
Torch lamp: 100 lm
- Diffuser: Polycarbonate
- Colour temperature: 6500 °K
- Working temperature: -10 °C to +40 °C
- Battery: 3.7 V – 4400 mAh Li-ion
- Supply:
AC/DC USB charger Input: 100 V - 240 V, 50 - 60 Hz
Output: 5 V DC 1000 mA
- Charging time: 5 hours
- Duration:
3 hours for main lamp
15 hours for torch lamp
- Working mode: Normal and Emergency



Supplied with AC / DC charger

IP54	IK07	LED 6500°K	Lm 800+100	3-15h. 	3.7V 4400mA	Li-ion	Alta Eficiencia 	4-5h. 	5VDC
Description			Battery (Units/Ah)		Part number				
Self Contained Portable Lamp			3.7V – 4400 mAh Li-ion		LPORT03				



Lamp



Torch



Multipositional hook



Belt clip



Stand for hands free use on flat surface



Magnet for metallic surface fixing



RENOVATION KIT

high compatibility
with market
measures



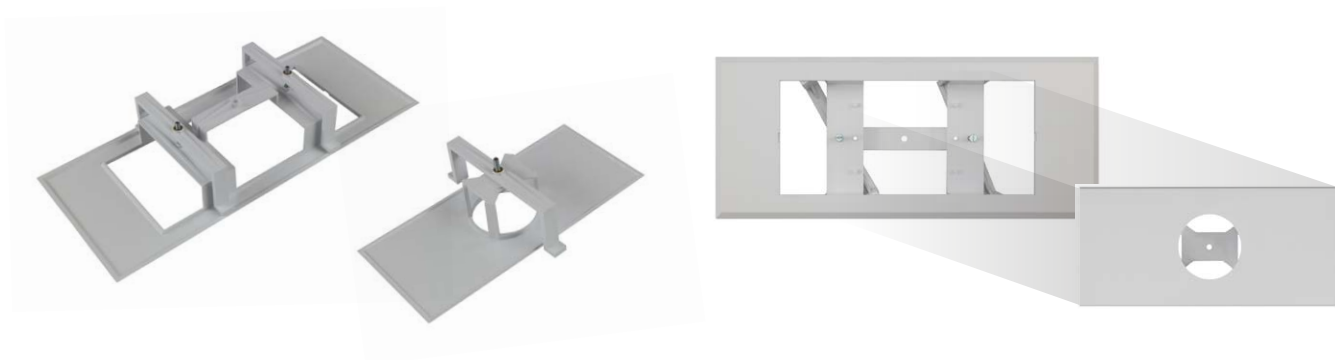
resistant
material



adaptable to
ceiling and wall



easy
mounting



UNIVERSAL FRAME XENA/DIANA
compatible frame for **8W**



Recommended for holes of max 365 x 132 mm

UNIVERSAL FRAME SPAZIO
compatible frame for **6W**



Recommended for holes of max 254 x 90 mm

**UNIVERSAL FRAME XENA/DIANA
+ SPAZIO LUMINAIRE**
compatible frame for **8W+SPAZIO**

With this option you can switch
from an 8W luminaire to a Spazio
range luminaire



Recommended for holes of max 365 x 132 mm

Description	Part number
UNIVERSAL FRAME XENA/DIANA	AMU8001
UNIVERSAL FRAME SPAZIO	AMU8002
UNIVERSAL FRAME XENA/DIANA + SPAZIO LUMINAIRE	AMU8003

Zemper emergency systems: Four levels of approach

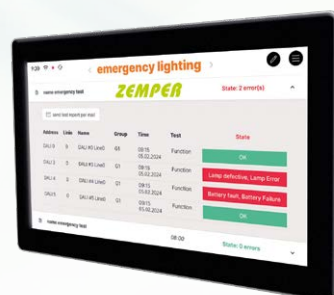
SmartZ[®]



Smart monitoring system with cutting edge technology. Self-testing emergency luminaires with integral battery for 1-3 hour emergency operation. Wireless communication and web connectivity for automatic scheduled testing, luminaire status and test history reporting.

DALI-2

Self-testing luminaires with DALI-2 certified standard communication.



AutoTest

Self-testing emergency luminaires with integral battery for 1-3 hour emergency operation. Weekly functional self-test and yearly duration self-test (battery) following EN-62034.

- Green ON: OK
- Orange ON: Incorrect battery or duration
- Both leds OFF: No power supply
- Orange blinking: Functional failure
- Green blinking: Test in progress



Standard

Emergency luminaires with integral battery for 1-3 hour emergency operation.





S m a r t ®

Smart monitoring system
for emergency lighting

Are you prepared for an emergency?

Regular monitoring and testing of emergency lighting installations are essential to safeguard the lives of building occupants during emergencies. To enhance visitor and user safety in emergency situations, it is imperative to consistently maintain and document the health of emergency lighting. As the owner or manager of the building, you bear legal responsibility and accountability for the emergency lighting setup.

In the era of the Internet of Things (IoT), digital connectivity is driving transformation and innovation. The push towards smarter, more efficient, and secure buildings is opening up a plethora of opportunities.



The wireless monitoring system with cutting edge technology suitable for projects of any size, ranging from small businesses to those with thousands of luminaires.

SmartZ[®] is designed to enable anyone, from building owners to maintenance operators, to easily maintain and test emergency lighting. There is no need to physically verify the luminaire's health as the system creates alerts.

**Benefit from the most up-to-date technological features,
and the highest level of cyber security.**

Easy to install, easy to maintain.

PLUG AND PLAY
Luminaires fully connected in minutes.
Intuitive and fast.

LOWER INSTALLATIONS COSTS
We are committed to helping our clients by
eliminating wires and installation hours.

EASY MONITORING
Monitor the system's status in real time,
whenever and wherever you are.

HIGHLY RELIABLE
Ultra reliable,
intelligent mesh network.

**SIMPLE INTEGRATION
WITH BMS**
Interconnectivity with
other systems or BMS.

**REDUCTION
OF CARBON FOOTPRINT**
Reduction of installation
and maintenance footprint.



1. FAST



2. LOWER COSTS



3. EASY



4. RELIABLE



5. SIMPLE

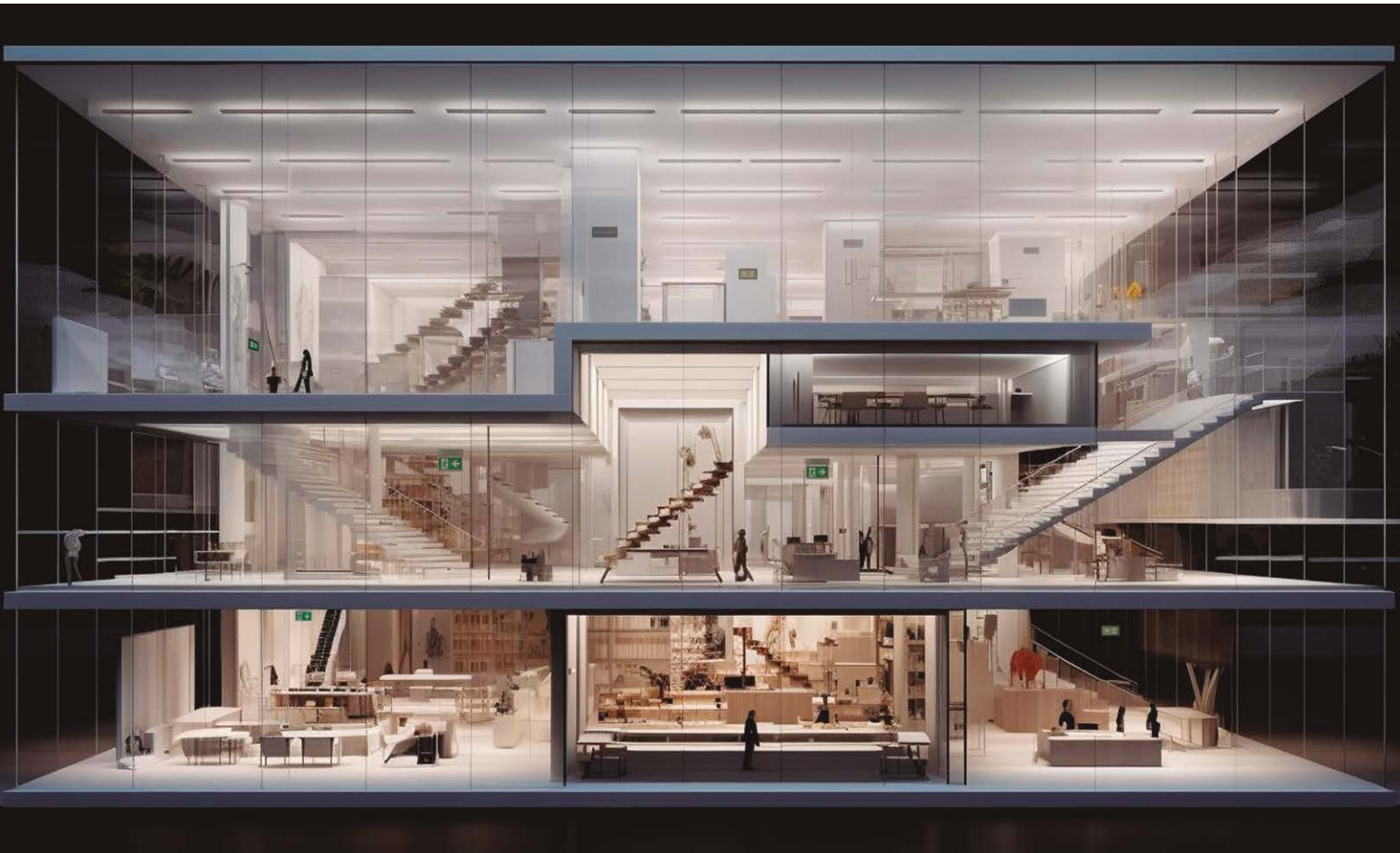


6. SUSTAINABLE



1. Plug and Play

Luminaires fully connected in minutes.
Intuitive and fast.



- Automatic luminaire recognition, automatic numbering.
- Luminares are connected with each other, every luminaire is emitting and receiving signals creating a dynamic mesh.
- The nodes of the mesh are connected quickly and securely. No interference, and communication is established immediately.
- No need for pre-loaded data bases.
- Set-up with unlimited number of luminaires. The mesh allows the connection of more than 10 000 luminaires to the same control unit.
- Simple and fast installation and commissioning. Immediate set up.

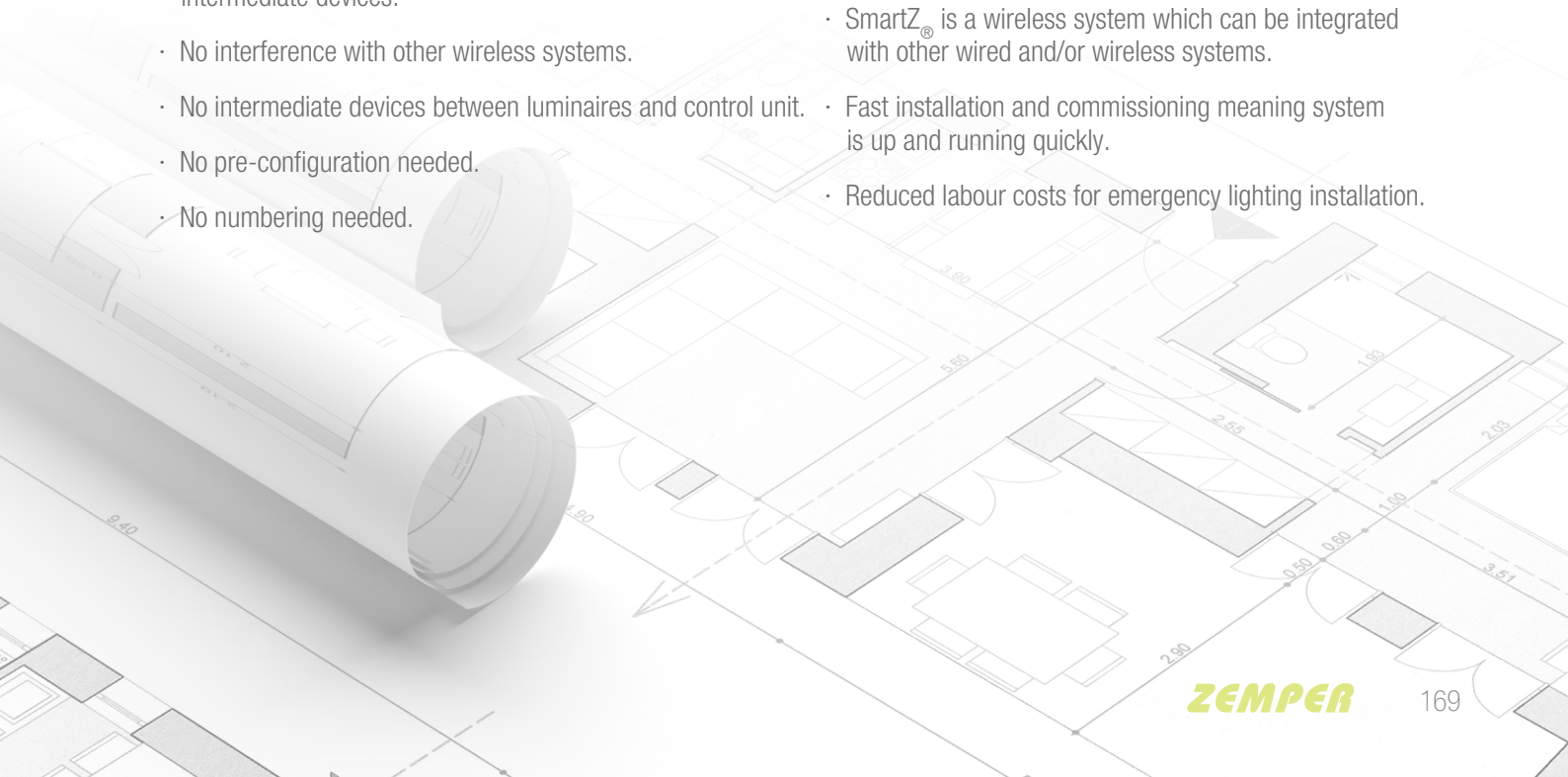


2. Lower Installation Costs

We are committed to helping our clients by eliminating wires and installation hours.



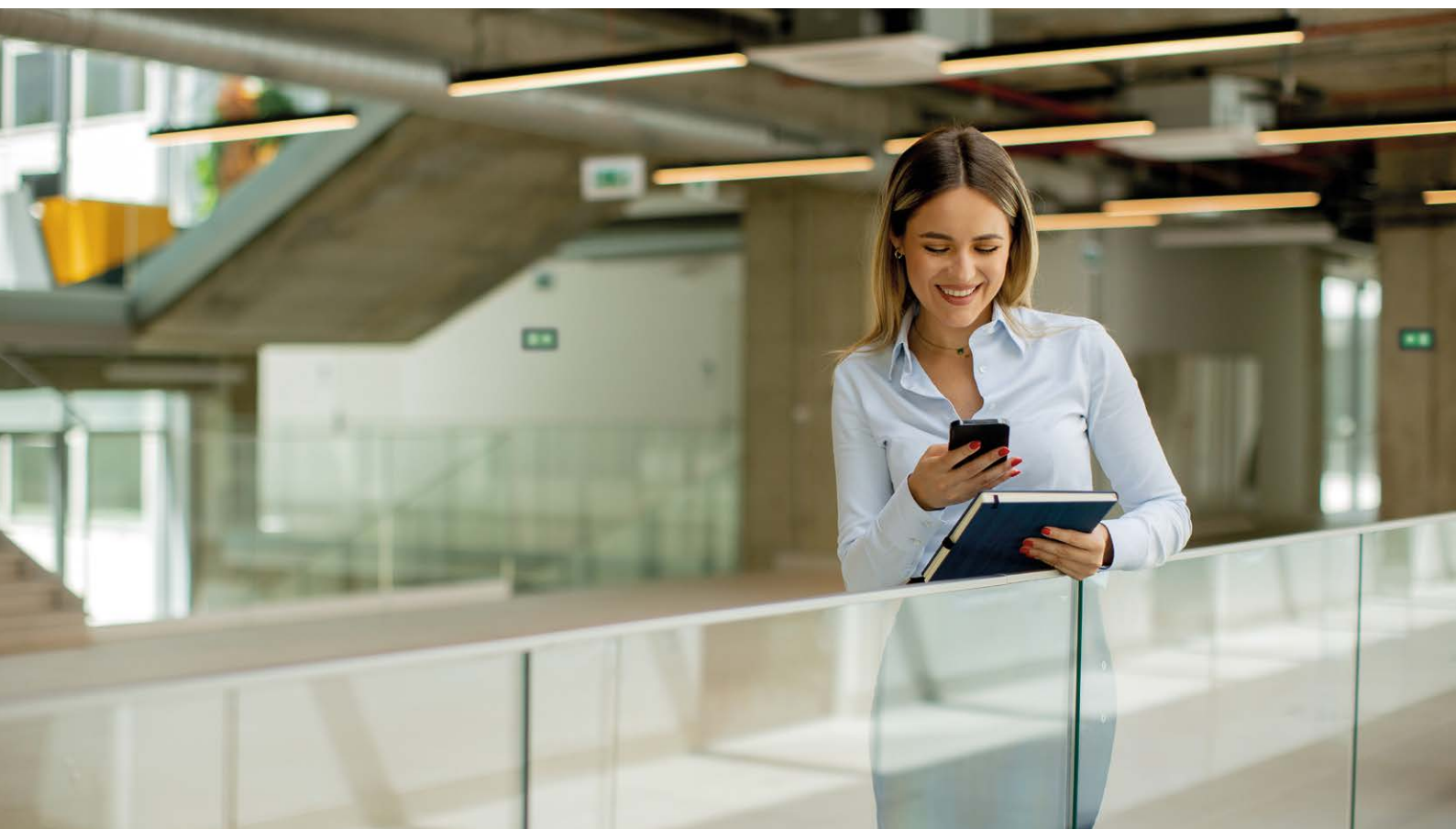
- True wireless system. No wiring needed from control unit to intermediate devices.
- No interference with other wireless systems.
- No intermediate devices between luminaires and control unit.
- No pre-configuration needed.
- No numbering needed.
- Only one control unit per 10 000 wireless luminaires.
- SmartZ[®] is a wireless system which can be integrated with other wired and/or wireless systems.
- Fast installation and commissioning meaning system is up and running quickly.
- Reduced labour costs for emergency lighting installation.





3. Easy Monitoring

Monitor the system's status in real time,
whenever and wherever you are.

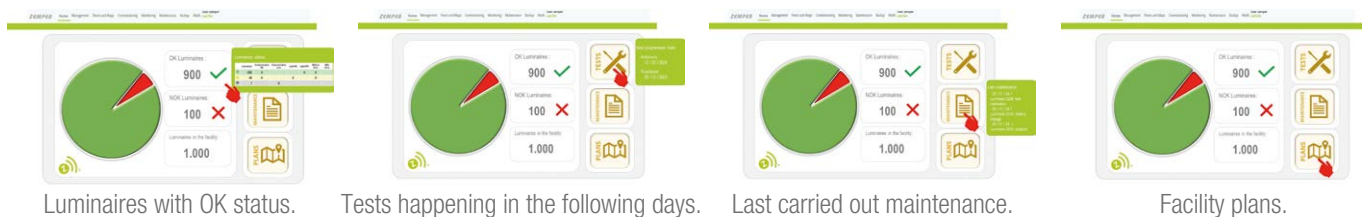


- User-friendly web based graphical user interface.
- Access from your mobile, laptop or tablet.
- No need to install any additional software. Our user interface works in any browser.
- Schedule functional and duration test and collect reports.
- Upload your building plans and see status and precise location of each emergency lighting luminaire in your building in real time.
- Share test results or status information with others.
- Easily updated or expanded.
- OTA software update. OTA (On The Air) technology allows firmware upgrades without the need of physical connections. Excellent for devices that are in remote or hard-to-reach locations.
- Real-time self-monitoring and maintenance alerts.

Easy to use and understand the status of the system devices. View the entire system's status at a glance.



For more detail, simply hover over.



Luminaires with OK status.

Tests happening in the following days.

Last carried out maintenance.

Facility plans.

Interactive 2D floor plan layout showing emergency lighting positioning.



- Easy to manage multiple facilities, areas and/or groups.
- List the luminaires with their main characteristics (filters, test management, ...).
- Test reports provide compliance with legal requirements.
- Maintenance logbook.



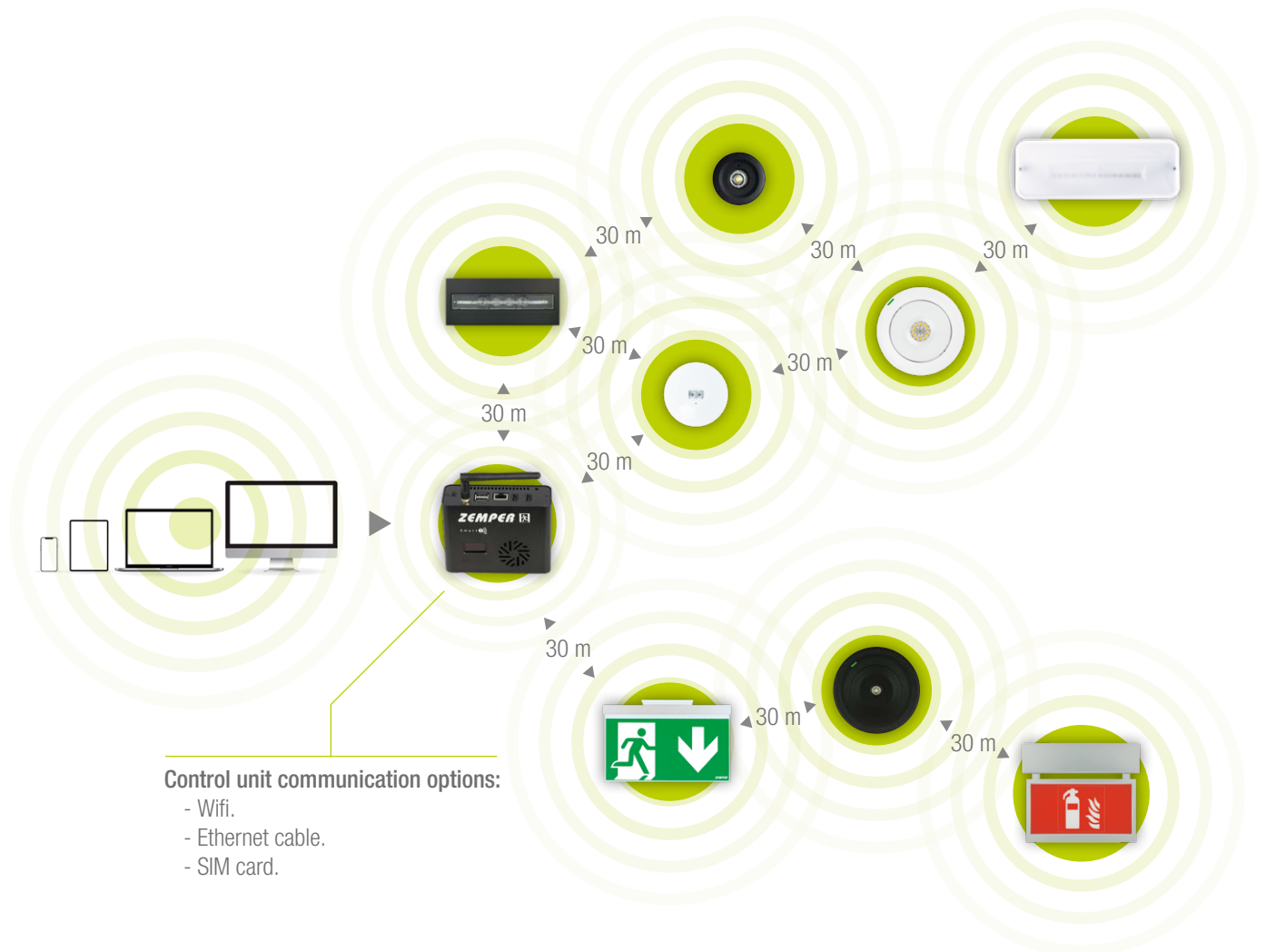
4. Highly Reliable

Ultra reliable, intelligent mesh network



- The dynamic mesh network is fully secure. It uses industry-standard AES128 encryption in all messaging.
- System communication uses ultra reinforced 2.4 GHz radio frequency band.
- 10 000 luminaire system capacity, per control unit.
- Management of the system is done via web interface, where 24-7, 365 access is possible.

High signal penetration.



- SmartZ[®] utilises cutting-edge technology to create a reliable mesh network.
- The system uses up to 40 channels to communicate without interference from other systems. Systems adapt automatically and allow large scale applications alongside other wireless systems.



5. Simple Integration with BMS

Interconnectivity with other systems or BMS.



- Communication with MODBUS and BACnet protocols are supported.
- Potential smart sensors integration.
- Utilising the mesh network created by the emergency luminaires it is possible to add other potential features such as asset tracking or indoor wayfinding.

The control unit allows communication with other system hubs and integration into BMS (Building Management Systems).



6. Reduction of Carbon Footprint

Reduction of installation and maintenance footprint.

Your emergency lighting monitoring system for a more sustainable world.



SmartZ[®] contributes to lowering greenhouse gases emissions and developing environments that enhance the well-being of people in both the short and long terms:

- Reduction of installation and maintenance footprint. The simple and fast installation, commissioning and maintenance ensure less people are required on site, lower energy consumption and less transport pollution.
- Eliminating the need for additional devices or cables helps conserve natural resources by reducing material consumption and minimising waste at the end of their lifecycle.
- Reports are easy to understand and share, no need for printing.
- The housing of SmartZ[®] control unit is made of aluminium. 100% recyclable.
- Ecodesign and energy consumption are always in our R&D team's minds. SmartZ[®] control unit has been designed as small and compact as possible.
- SmartZ[®] product identification has been printed using a laser on the control unit itself to avoid paper or plastic stickers.
- 100% recycled and recyclable packing.
- SmartZ[®] makes your building safer, saving lives in case of an emergency, creating a better world. Corporate Social Responsibility is also a big pillar of our Sustainability commitment with society.
- Our EVO10 range, our most durable and sustainable range, with 10 year warranty is also available with SmartZ[®].



[Download the EVO10 range brochure](#)

**Sustainability is more than just a buzzword for Zemper.
It's leading our entire business strategy.**



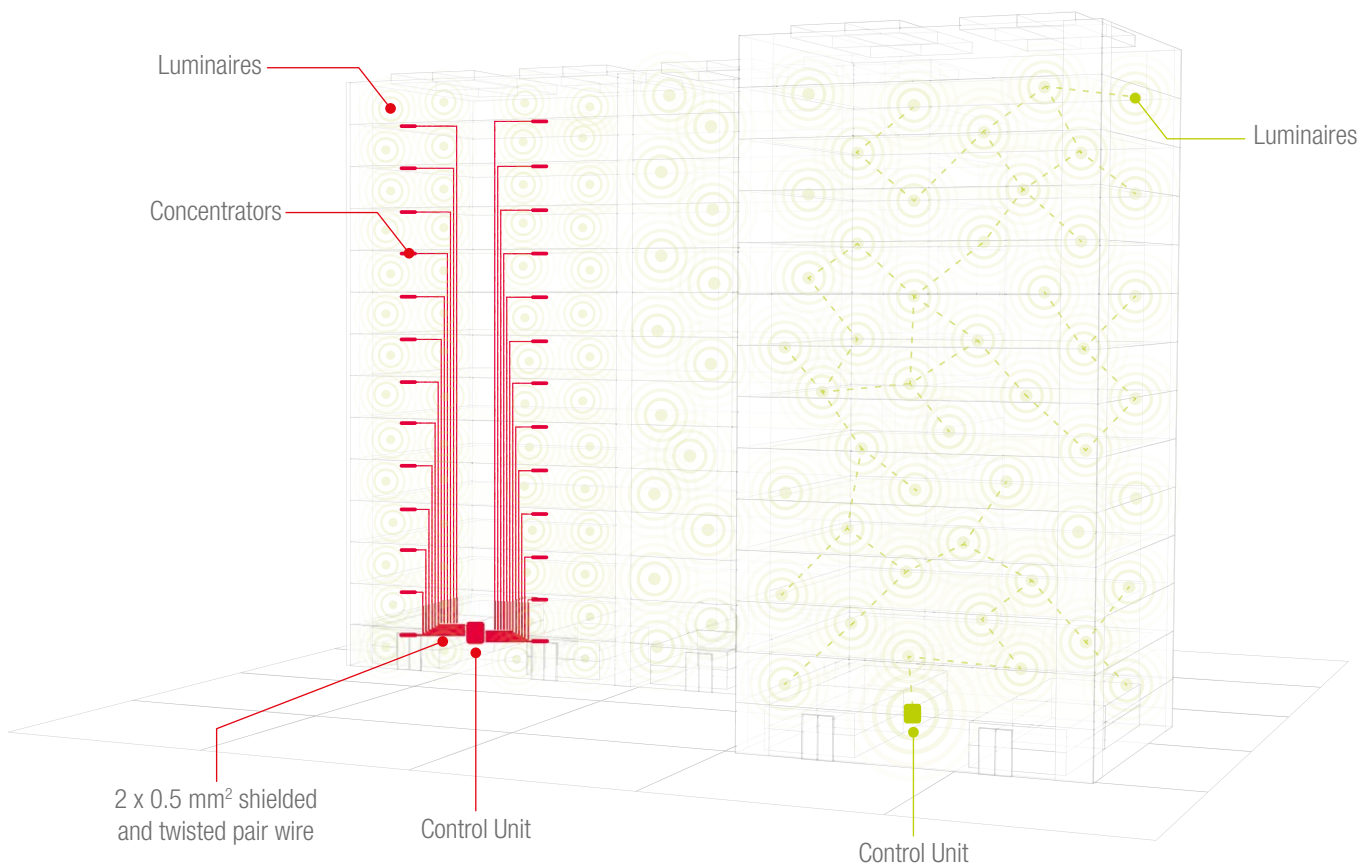


- Manufacturing: each luminaire has to be programmed with a specific address.
- Logistics: each luminaire has to be packed and delivered in an individual way.
- Installation: each luminaire has to be installed in a specific location.
- Additional networking equipment required.

- Manufacturing: no need to pre-programme special wireless addresses or parameters.
- Logistics: all luminaires are the same, they don't need special addresses.
- Installation: luminaires can be installed in any location.
- No additional repeaters and ancillary devices required to make the system work.

Simpler, faster, easier.

Control of several buildings **at the same time.**



Other wireless communication systems



Smart-Z®



Wireless SmartZ[®] CONTROL UNIT

SPECIFICATION



Power supply: 5 Vdc - USB power unit (supplied)



Consumption: 20 W



Battery backup (accessory)



Interfaces: 1 x RJ45 (Ethernet)
3 x USB 2.0
2 x HDMI
1 x USB C Power



Working temperature: 0 °C - 40 °C



Protection class: III



Dimensions (mm):
89 (without antenna) x 125 x 44

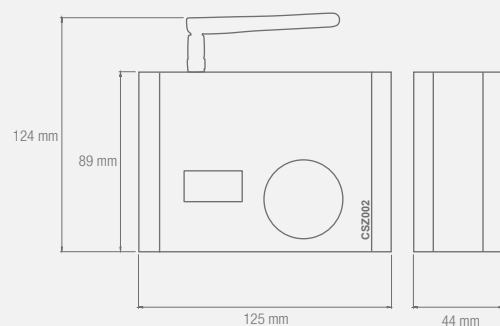


Weight: 400 g



Mounting: Wall / DIN Rail

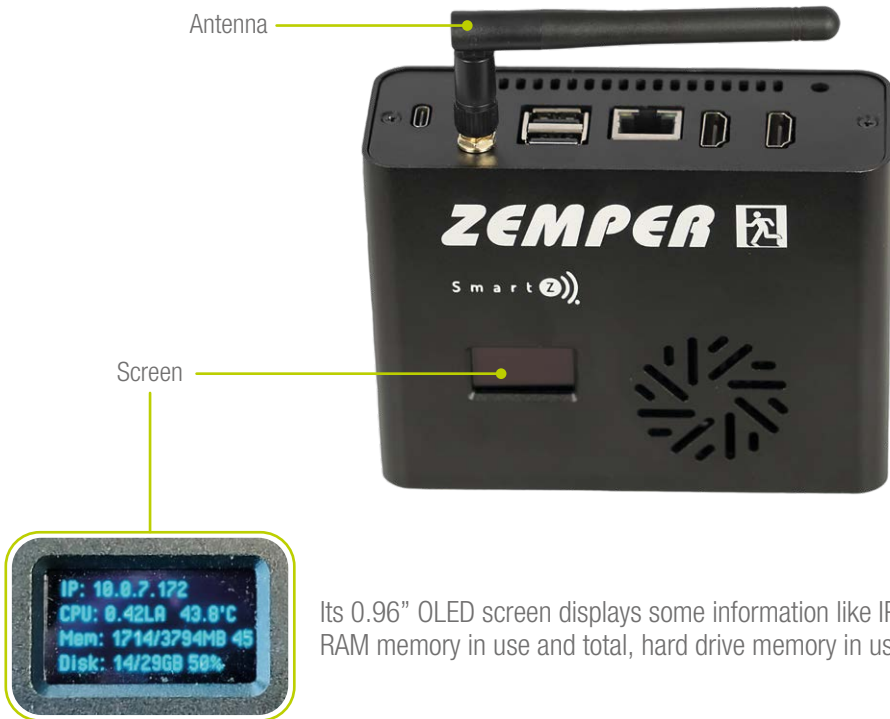
DIMENSIONS (mm)



Description	Part number
SmartZ [®] control unit	CSZ002

ONGOING CERTIFICATIONS





Antenna

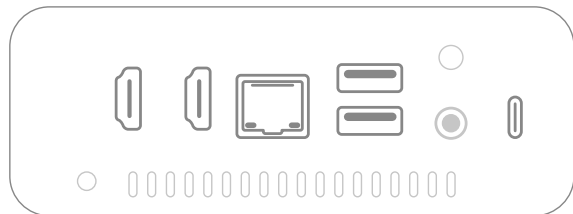
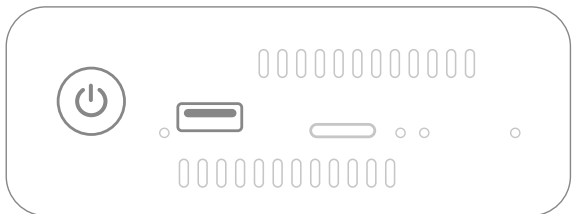
Screen



Its 0.96" OLED screen displays some information like IP address, CPU temperature, RAM memory in use and total, hard drive memory in use and total.

- Connectivity via Ethernet, Wifi or SIM card.
- Backup battery operation with additional accessory.
- Installation plans can be uploaded.
- Testing sequences, for example annual duration tests, are fully configurable.
- Graphical user interface shows real time status of devices.
- Log of events and exportable test results.
- Email sending of configurable fault list.
- Multiple language options.
- Operating frequency: 2.4 GHz.

Supplied with USB 5v DC power supply and DIN-rail terminal blocks.



Power button 1 x USB2.0

2 x Full-size HDMI Ethernet 2 x USB2.0 USB-C 5V Power In



ZDALI2 TOUCHSCREEN CONTROL UNIT



ZDALI2 TOUCHSCREEN CONTROL UNIT

ZEMPER



Why use DALI-2 with emergency lighting?

Emergency lighting provides light if the mains supply fails. It is a critical feature for building occupants' safety, and various regulations mandate it. In many countries, periodic emergency lighting testing is a legal requirement. DALI-2 enables emergency tests to be automated, triggered by DALI-2 commands or an optional timer.

Emergency control gear must implement both a function test and a duration test. The function test is a quick test of the battery, charging circuit, driver/relay and lamp; the duration test ensures that the battery can operate the light for the entire rated duration, such as 1 hour or 3 hours.

With DALI-2, the building manager and maintenance operator can easily maintain and test emergency lighting from a control unit. There is no need to physically verify each luminaire's health.

A photograph of a modern office interior. The space is bright and open, with a large central area featuring a green circular seating arrangement and a large potted tree. In the foreground, there is a conference table with several chairs. The background shows multiple levels of the building with glass railings and modern lighting fixtures. The text "DALI-2 emergency lighting system is a safe and reliable solution to meet smart building emergency lighting requirements." is overlaid in white, bold font across the center of the image.

DALI-2 emergency lighting system is a safe and reliable solution to meet smart building emergency lighting requirements.

Why choose Zemper DALI-2 touch control unit?



1. Ensure building occupants' safety and meet all regulatory standards for emergency lighting. Maintain and record the health of your emergency lighting.



2. Proven DALI technology specifically for emergency lighting. DALI (DiiA) Certified. All DALI-compliant system components will be able to communicate with each other.



3. Installation with standard bus wiring.



4. Full installation management with new DALI-2 functionalities.



5. Central monitoring from **colour touch screen** panel to control, test, schedule tests and monitor emergency lighting. Clean and stylish touch screen control unit design to install wherever you want.



6. Simple to group and easy to install.



7. Switching mode from maintained to non-maintained or vice-versa, individually or per group.



8. Easily sharable logbook.



9. Monitor the system's status in real time, whenever and wherever you are.

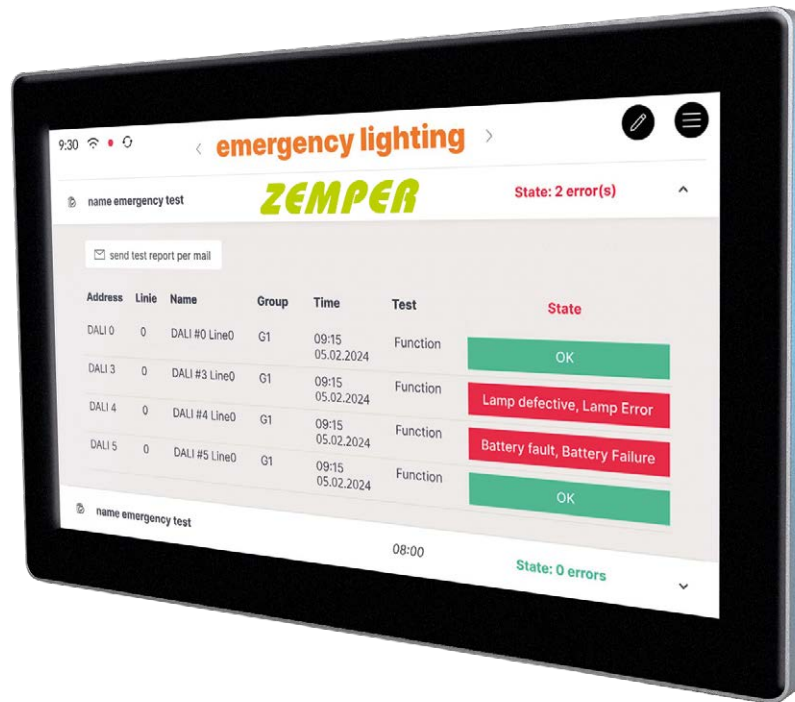


10. Sustainability. The proactive monitoring of the luminaires status extends the lifespan of lighting component, reducing the frequency of replacements and minimizing the environmental impact associated with manufacturing and disposal of electronic waste.

Our EVO10 range, our most durable and sustainable range, with 10 year warranty is also available with DALI-2.



Download the EVO10 range brochure



ZDALI2 TOUCHSCREEN CONTROL UNIT

SPECIFICATION



7" capacitive touchscreen with 24-bit colour depth. 1024 x 600 px · 24 bit colours.

IP

IP20



Scheduling and automation of communication, functional and duration tests. 4-bus available with an additional device.



Rated supply voltage display 24-56 V DC or PoE (Power Over Ethernet).



Power consumption 3.5 W.



Number of DALI-2-line 1
Current consumption DALI-2-line <2mA.



Working temperature: -10 °C to +50 °C.

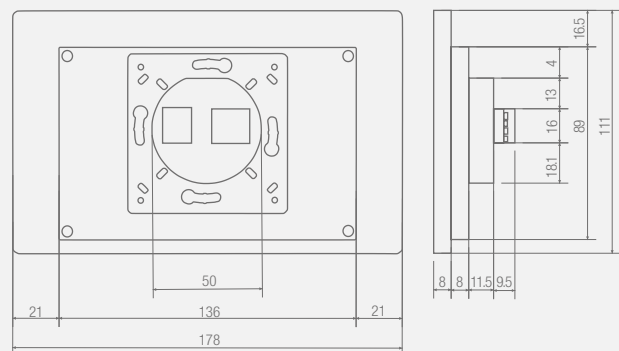


Dimensions: 178 x 111 x 8 mm.



Colour housing: metallic grey.
Colour frame: black.

DIMENSIONS (mm)



Description	Colour	Part number
ZDALI2 touchscreen control unit	Black	ZWEBDALI-2

CERTIFICATIONS



POWER SUPPLY FOR THE DALI BUS



DALI PS serves as power supply for the DALI bus system. Standardised voltage and current limitation as well as timing ensure a reliable bus communication. With the output current of up to 250mA an entire DALI line can be supplied. Up to 64 addressable DALI devices and an additional 20 to 30 control modules (DALI Sensors, MC, Touch panel...), up to an overall load of 200mA can be connected. Units with different output current and housing are available, suitable for DIN rail mounting, remote ceiling installation (housing with strain relief) or flush-mounted installation boxes.

Description	Part number
Power supply for the Dali bus	FABDA2

POWER SUPPLY FOR TOUCH SCREEN CONTROL UNIT

This compact module converts 4-20mA signals to DALI dim levels. The module has an integrated bus power supply for a small DALI system with up to 10 standard DALI ballasts (30mA).

The configuration of the dimming characteristics is possible with the help of jumpers. An additional configuration with the DALI Cockpit Software is not possible. The interface module requires a 12- 24V power supply.



Description	Part number
Power supply for touch screen control unit	FACDA2

DISPLAY BUS EXTENSION

Bus extender: to increase the bus up to 3 additional lines.

The module is used in combination with DALI-2 Touchscreen. It allows a DALI system expansion with up to 3 additional DALI lines. The device has 2 Ethernet sockets for connecting the DALI-2 Display and the local network. Up to three DALI lines can be connected via terminals DA1, DA2 and DA3.

The Display Bus Extension Module requires a 24V supply. DIN rail housing suitable for installation in control cabinets.



Description	Part number
Display Bus Extension	EBDA2

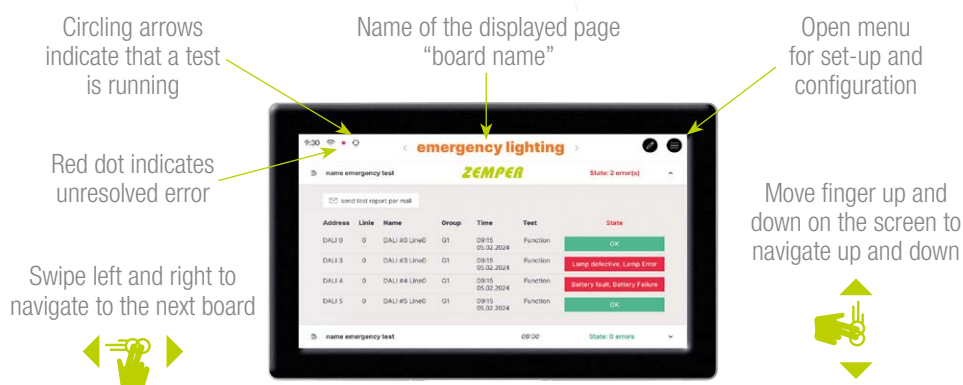
ZDALI2 TOUCHSCREEN CONTROL UNIT

ZEMPER

Multifunctional DALI-2 control and operating unit for DALI/DALI-2 emergency light systems

Usage

The DALI-2 Touchscreen is used for set-up, configuration and control of a DALI emergency light system. The DALI protocol standard IEC62386 is used to control the lighting equipment. Control all luminaires as groups or individual addresses via the display interface. The DALI-2 Touchscreen offers scheduling for tests (communication, function and duration), an overview of recently conducted emergency luminaires tests, and quick steps for resolving errors in case of test failures.



Screen showing tests results with luminaires health.

Functionality and Features

- The DALI-2 Touchscreen serves as a universal module for control, set-up and configuration of a DALI emergency light system.
- Easy installation: the device can be installed in a standard switch box.
- E-mail support of test reports.
- The set-up and configuration menu can be opened with the menu button at the top right. General settings and emergency test settings can be found there, as well as the board overview.
- Multi-master capable: multiple operating devices can be used together with an emergency light display in the same DALI/DALI-2 circuit.
- By default, the display shows the user interface for monitoring the emergency light system.
- The user interface of the DALI-2 emergency display is made up of two pages (boards): The emergency lighting status board and the error resolving board.
- The view between the two boards can be changed by swiping right or left, or selecting the arrow in the top next to the heading.
- The length of the board is flexible: with an up or down swipe of your finger, you can navigate in that direction.
- Scheduling and automation of communication, function and duration tests.

ZDALI2 TOUCHSCREEN CONTROL UNIT

ZEMPER

Figure 1. Single Bus
(max. 64 luminaires)

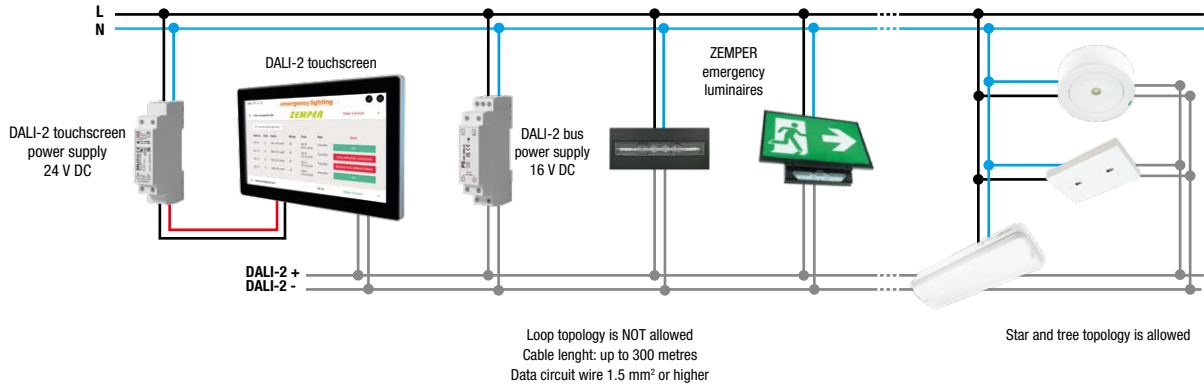
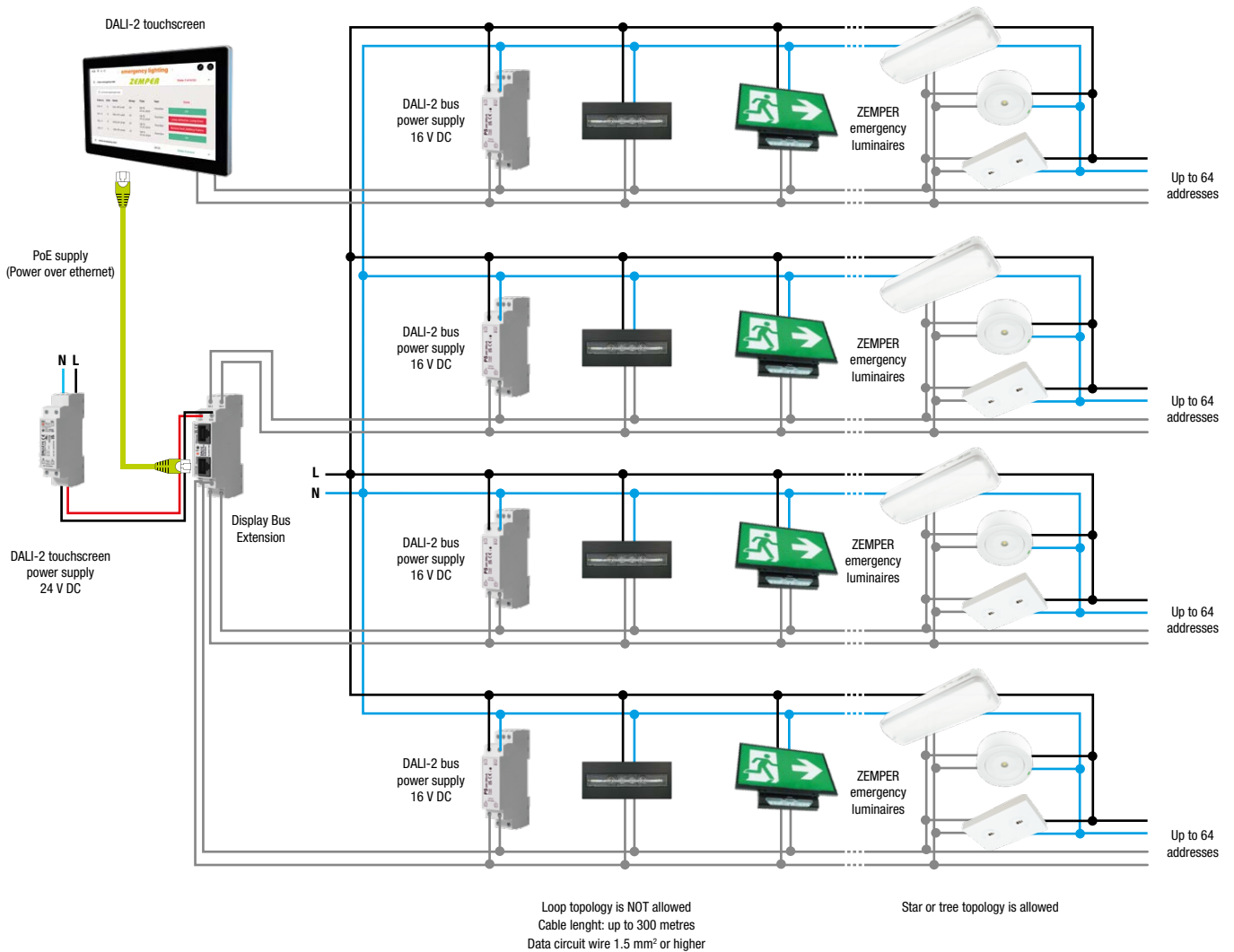


Figure 2. Multiple Bus
(max. 256 luminaires)



Explosion Proof Fittings ATEX



ClassNK



SATURNO

Zone 1/21 - 2/22







WORLD STANDARDS



IECEX (International Scheme)

The IECEX scheme is an international certificate of conformance for products used in a hazardous area.

This scheme provides:

- A single certification of conformity for manufacturers to comply that includes:
 - Testing and assessment of products to a standard including a full test report.
 - Ongoing surveillance of manufacturers premises.
- A fast-track process for countries where regulations still require the issuing of national Ex certificates or approvals.

ClassNK

Class NK works to ensure maritime safety and protect the marine environment.

It provides classification and technical services to roughly 20% of the world's commercial fleet.

Body: Marine grade Aluminium (LM6).



The ATEX European Directives 94/9/EC

ATEX requires employers to eliminate or control risks from dangerous substances and to classify areas where explosive atmospheres may occur into zones, as laid down in regulations. ATEX Directives are designed to protect employees, the public and the environment from accidents owing to explosive atmospheres and since July 1st 2006 all existing sites, as well as new sites, must be fully ATEX compliant.

The ATEX directive 2014/34/EU applies to end users. These directives compliment each other, but have different purposes. ATEX100A covers both electrical and non-electrical products intended for use in hazardous areas, including mechanical equipment.

Any product sold within the European Union designed for use in explosive atmospheres must be ATEX certified and bear the ATEX marking in conjunction with CE marking. The objective is to facilitate the movement of goods within the EU.



APPLICATION AREAS
EQUIPMENT CATEGORIES
EQUIPMENT PROTECTION LEVEL

The following chart shows the designated areas of use of equipment and components according to equipment group and equipment category/equipment protection level.

HAZARDOUS AREA

Conditions and subdivisions			Required marking on the usable equipment			
Flammable materials	Temporary behaviour of explosive atmosphere	Classification of hazardous areas	Equipment group as defined in directive 2014/34/EC	Equipment category as defined in directive 2014/34/EC	Equipment group as defined in IEC/EN 60079-0	Equipment protection level (EPL) as defined in IEC/EN 60079-0
Gases Vapours	Is present continuously or for long periods or frequently	Zone 0	II	1G	II	Ga
	Arises in normal operation occasionally	Zone 1	II	2G or 1G	II	Gb or Ga
	Is not likely to arise in normal operation, or if it does, will persist for a short time only	Zone 2	II	3G or 2G or 1G	II	Gc or Gb or Ga
Dusts	Is present in the form of a cloud continuously, or for long periods or frequently	Zone 20	II	1D	III	Da
	Occasionally develops into a cloud during normal operation	Zone 21	II	2D or 1D	III	Db or Da
	Is not likely to develop into a cloud during normal operation, or if it does, for a short time only	Zone 22	II	3D or 2D or 1D	III	Dc or Db or Da
Methane Carbon dust	Operation where there is a risk of explosion	-	II	M1	I	Ma
	Disconnection where there is a risk of explosion	-	I	M2 or M1	I	Mb or Ma



EMERGENCY LIGHTING - GENERAL DATA

- Led driver with AutoTest function as per IEC32034
- High temperature LiFePO₄ cells
- 20 hours charging to obtain the nominal duration
- Electronic multi-level charge system
- Deep discharge protection
- Switch ON / OFF connection is available for maintained luminaires.
- Status indication bi-colour LED: Green Ok - Red: Fault

Testing

- Commissioning test is carried out automatically after permanent connection of the supply for 5 days.
- Functional test is carried out for 5 seconds on a weekly basis.
- Duration test is carried out yearly to check the capacity of the batteries



SATURNO EXPLOSIONPROOF FEATURES

Approvals and Certifications

- Zone 1/2 / Zone 21/22
- Ex db IIC T6 Gb
- Ex tb IIIC T85 °C Db
- IK protection degree
PC E1, E2, E3 :IK10
Glass E1, E2: IK07 / E3: IK09
- IP66
- Class: I

Technical information

- Electronic driver: 220 - 240 V 50/60 Hz
- Power factor: 0.95
- Set of LED modules with opal cover diffuser:
 - Color temperature 4000 °K (6500 °K under request)
 - CRI > 80

Operation temperature:

- Glass diffuser (E1, E2, E3):
- Lighting working temperature -20 °C to +55 °C
 - Emergency working temperature: 0°C to +50°C

Polycarbonate diffuser (E1, E2, E3):

- Lighting working temperature: -20 °C to +50 °C
- Emergency working temperature: 0 °C to +50 °C

Standards

- Approved to:**
- EN 60079-0: (General requirements)
 - EN 60079-1: (Flameproof enclosure "d")
 - EN 60079-31: (Enclosure "t")

- EC Type examination:** · Directive: 2014/34/EU

- Certificated:** · Notified Body: INERIS n°0080

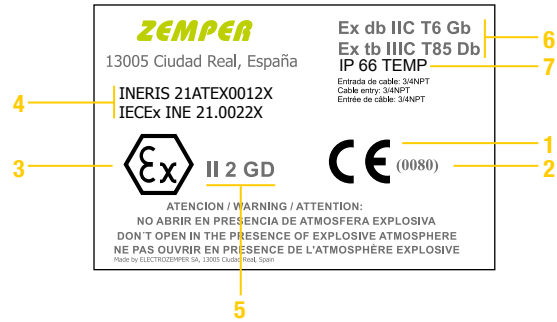
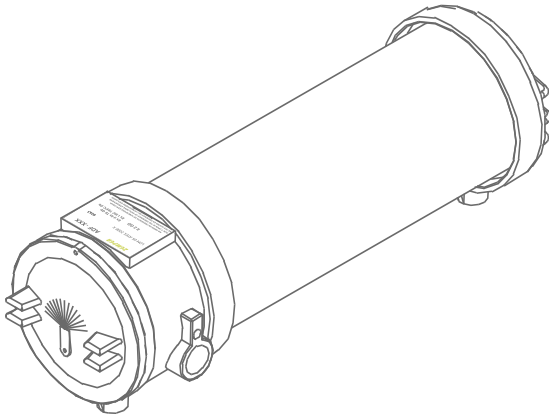
Enclosure general data

- Tubular diffuser:**
- Borosilicate glass, E1: 7 mm E2/ E3 9 mm
 - Polycarbonate, UV protected. 3 mm thick

Casting & connections:

- Marine Grade Aluminium (LM6)
- Yellow RAL-1003 / Polyurethane paint
- Explosion proof O-ring
- 2 entries 3/4" NPT for cable glands (not included)
- 1 ATEX plug supplied
- Electric connection through 5P+T 2.5 mm² terminal block
- Suitable for installation on flammable surfaces

MARKING EXAMPLE IN ACCORDANCE WITH DIRECTIVE 2014/34/EU, EN AND IEC STANDARDS (IEC/EN 60079-0 ET SEQ.)



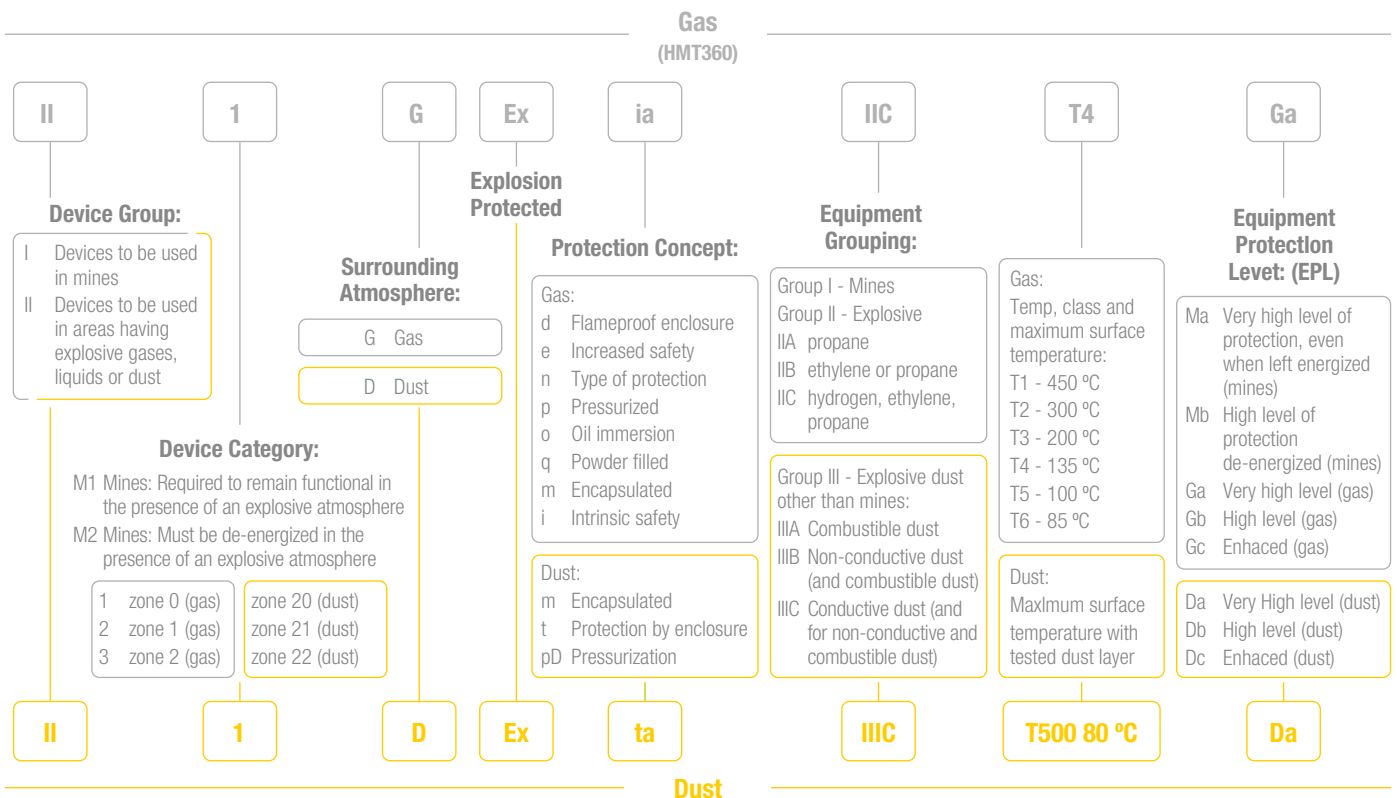
INFORMATION SPECIFIC TO EXPLOSION PROTECTION (MARKING)

ATEX directive/EN standards

- | | |
|---|---|
| 1 Conformity mark (CE) | 5 Equipment group II - other areas (non-mining)
Equipment category 2 - gases/vapours G,
suitable for Zones 1 and 2 - dusts D,
suitable for Zones 21 and 22 |
| 2 Identification number of the notified body which
-where required- certified the QA system or examined
the products (Category 1 and 2) | 6 Certificate of conformity (*) |
| 3 Ex mark | 7 IP Protection degree
TEMP: Temperature Range |
| 4 EC-type examination certification | |

IEC standards

* Certificate of Conformity





SATURNO



Ex db IIC T6 Gb
Ex tb IIIC T85°C Db

IP66 IK07 - IK10

SPECIFICATION

Wall	Surface	✓
Ceiling	Surface	✓

Envelope:
Marine Grade Aluminium (LM6)

Diffuser: Borosilicate glass / Polycarbonate

IP66

IK protection degree

- PC E1, E2, E3: IK10
- Glass E1, E2: IK07 / E3: IK09

Lm

Lighting Luminous range: 1 250 lm - 11 750 lm
Emergency Luminous range: 70 lm - 850 lm



Duration: 1 - 3 h · Battery: LiFePO₄



Charging time: 20 h



Supply: 220 - 240 V 50/60 Hz

LED

LED temperature: 4000 °K (6500 °K under request)



Glass diffuser:

- Lighting working temperature -20 °C to +55 °C
- Emergency working temperature: 0 °C to +50 °C

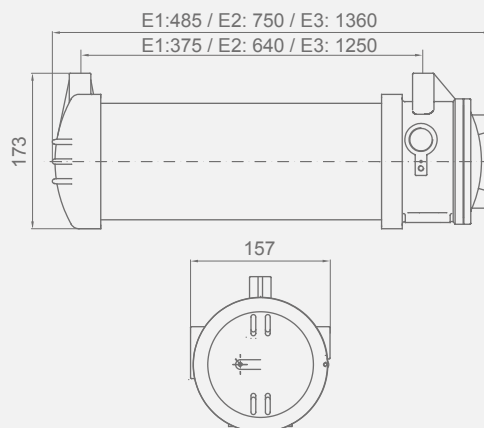
Polycarbonate diffuser:

- Lighting working temperature: -20 °C to +50 °C
- Emergency working temperature: 0 °C to +50 °C

AutoTest



DIMENSIONS (mm)



STANDARDS COMPLIANCE

EN-60598-2-22
AutoTest: EN-62034
DALI-2: EN 62386

CERTIFICATIONS



ClassNK



AutoTest & DALI-2 Lithium



RANGE

LIGHTING

Dimensions	Polycarbonate Enclosure	Lighting	Communication
E1	LSIPC1100	1 300 lm	
E1	LSIPC1200	2 500 lm	
E2	LSIPC2200	2 650 lm	
E2	LSIPC22005	2 650 lm	
E2	LSIPC2200A	2 650 lm	DALI-2
E2	LSIPC2400	5 000 lm	
E3	LSIPC3110	11 750 lm	
E3	LSIPC3110A	11 750 lm	DALI-2
E3	LSIPC3400	5 000 lm	
E3	LSIPC34005	5 000 lm	
E3	LSIPC3400A	5 000 lm	DALI-2

Dimensions	Glass Enclosure	Lighting	Communication
E1	LSIVC1100	1 300 lm	
E1	LSIVC1200	2 500 lm	
E2	LSIVC2200	2 650 lm	
E2	LSIVC22005	2 650 lm	
E2	LSIVC2200A	2 650 lm	DALI-2
E2	LSIVC2400	5 000 lm	
E3	LSIVC3110	11 750 lm	
E3	LSIVC3110A	11 750 lm	DALI-2
E3	LSIVC3400	5 000 lm	
E3	LSIVC34005	5 000 lm	
E3	LSIVC3400A	5 000 lm	DALI-2

References ending in 5 are for through-wiring.

CASAMBI
(under request)

ClassNK



EMERGENCY - Polycarbonate Enclosure

Dimensions	Type*	Enclosure	Emergency	Lighting	Battery	Duration	Communication
E1	NM	LSPC3045LX	45 lm		3.2V 0.5Ah LiFePO ₄	1h	AUTOTEST (SATI NF)
E1	NM	LSPC3400LX	430 lm		3.2V 1.8Ah LiFePO ₄	1h	AUTOTEST (SATI NF)
E1	M/NM	LSPC1700LXP	750 lm	2150 lm	3.2V 3.0Ah LiFePO ₄	1h	AUTOTEST
E2	M/NM	LSPC2400LAP	750 lm	2500 lm	3.2V 3.0Ah LiFePO ₄	1h	DALI-2
E2	M/NM	LSPC2400LXP	750 lm	2500 lm	3.2V 3.0Ah LiFePO ₄	1h	AUTOTEST
E2	NM	LSPC2700LX	750 lm		3.2V 3.0Ah LiFePO ₄	1h	AUTOTEST
E2	M/NM	LSPC2700LXP	750 lm	4750 lm	3.2V 3.0Ah LiFePO ₄	1h	AUTOTEST
E2	M/NM	LSPC2700LAP	750 lm	4750 lm	3.2V 3.0Ah LiFePO ₄	1h	DALI-2
E3	M/NM	LSPC3700LAP	750 lm	4750 lm	3.2V 3.0Ah LiFePO ₄	1h	DALI-2
E3	M/NM	LSPC3700LXP	750 lm	4750 lm	3.2V 3.0Ah LiFePO ₄	1h	AUTOTEST
E1	NM	LSPC1400LX3	350 lm		3.2V 6.0Ah LiFePO ₄	3h	AUTOTEST
E1	NM	LSPC1700LX3	750 lm		3.2 V 9.0Ah LiFePO ₄	3h	AUTOTEST
E2	M/NM	LSPC2400LAP3	750 lm	2500 lm	3.2 V 9.0Ah LiFePO ₄	3h	DALI-2
E2	M/NM	LSPC2400LXP3	750 lm	2500 lm	3.2 V 9.0Ah LiFePO ₄	3h	AUTOTEST
E2	M/NM	LSPC2700LAP3	750 lm	4750 lm	3.2 V 9.0Ah LiFePO ₄	3h	DALI-2
E2	NM	LSPC2700LX3	750 lm		3.2 V 9.0Ah LiFePO ₄	3h	AUTOTEST
E2	M/NM	LSPC2700LXP3	750 lm	4750 lm	3.2 V 9.0Ah LiFePO ₄	3h	AUTOTEST
E3	M/NM	LSPC3700LAP3	750 lm	4750 lm	3.2 V 9.0Ah LiFePO ₄	3h	DALI-2
E3	M/NM	LSPC3700LXP3	750 lm	4750 lm	3.2 V 9.0Ah LiFePO ₄	3h	AUTOTEST

EMERGENCY - Glass Enclosure

Dimensions	Type*	Enclosure	Emergency	Lighting	Battery	Duration	Communication
E1	NM	LSVC3045LX	45 lm		3.2V 0.5Ah LiFePO ₄	1h	AUTOTEST (SATI NF)
E1	NM	LSVC3400LX	430 lm		3.2V 1.8Ah LiFePO ₄	1h	AUTOTEST (SATI NF)
E1	M/NM	LSVC1700LXP	800 lm	2500 lm	3.2V 3.0Ah LiFePO ₄	1h	AUTOTEST
E2	M/NM	LSVC2400LAP	800 lm	2650 lm	3.2V 3.0Ah LiFePO ₄	1h	DALI-2
E2	M/NM	LSVC2400LXP	800 lm	2650 lm	3.2V 3.0Ah LiFePO ₄	1h	AUTOTEST
E2	M/NM	LSVC2700LAP	800 lm	5000 lm	3.2V 3.0Ah LiFePO ₄	1h	DALI-2
E2	NM	LSVC2700LX	800 lm		3.2V 3.0Ah LiFePO ₄	1h	AUTOTEST
E2	M/NM	LSVC2700LXP	800 lm	5000 lm	3.2V 3.0Ah LiFePO ₄	1h	AUTOTEST
E3	M/NM	LSVC3700LAP	800 lm	5000 lm	3.2V 3.0Ah LiFePO ₄	1h	DALI-2
E3	M/NM	LSVC3700LXP	800 lm	5000 lm	3.2V 3.0Ah LiFePO ₄	1h	AUTOTEST
E1	NM	LSVC1400LX3	400 lm		3.2V 6.0Ah LiFePO ₄	3h	AUTOTEST
E1	NM	LSVC1700LX3	800 lm		3.2 V 9.0Ah LiFePO ₄	3h	AUTOTEST
E2	M/NM	LSVC2400LAP3	800 lm	2650 lm	3.2 V 9.0Ah LiFePO ₄	3h	DALI-2
E2	M/NM	LSVC2400LXP3	800 lm	2650 lm	3.2 V 9.0Ah LiFePO ₄	3h	AUTOTEST
E2	M/NM	LSVC2700LAP3	800 lm	5000 lm	3.2 V 9.0Ah LiFePO ₄	3h	DALI-2
E2	NM	LSVC2700LX3	800 lm		3.2 V 9.0Ah LiFePO ₄	3h	AUTOTEST
E2	M/NM	LSVC2700LXP3	800 lm	5000 lm	3.2 V 9.0Ah LiFePO ₄	3h	AUTOTEST
E3	M/NM	LSVC3700LAP3	800 lm	5000 lm	3.2 V 9.0Ah LiFePO ₄	3h	DALI-2
E3	M/NM	LSVC3700LXP3	800 lm	5000 lm	3.2 V 9.0Ah LiFePO ₄	3h	AUTOTEST

*NM: Non-maintained. The luminaire operates from emergency supply only upon failure of the normal mains supply.

*M/NM: Maintained/Non-maintained. With a third terminal which allows to switch off/on the Maintained mode when connected to mains supply.

SPACING TABLE

EMERGENCY (Polycarbonate Enclosure)

LSPC1700LX3 = 750 lm

Mounting Height	0.5 lux				1 lux			
2.0 m	5.14 m	12.79 m	9.92 m	4.05 m	5.14 m	12.79 m	9.92 m	4.05 m
2.5 m	6.43 m	16.00 m	12.37 m	5.05 m	5.98 m	14.95 m	11.56 m	4.77 m
3.0 m	7.72 m	19.20 m	14.84 m	6.06 m	6.35 m	16.00 m	12.47 m	5.18 m
3.5 m	8.38 m	20.98 m	16.29 m	6.71 m	6.65 m	16.88 m	13.43 m	5.52 m
4.0 m	8.76 m	22.07 m	17.14 m	7.13 m	6.90 m	17.64 m	14.27 m	5.80 m
4.5 m	9.09 m	23.01 m	18.16 m	7.50 m	7.10 m	18.30 m	15.02 m	6.00 m

EMERGENCY (Glass Enclosure)

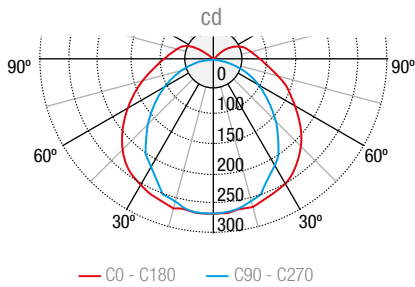
LSVC1700LX3 = 800 lm

Mounting Height	0.5 lux				1 lux			
2.0 m	4.71 m	11.85 m	9.65 m	4.06 m	4.71 m	11.85 m	9.65 m	4.06 m
2.5 m	5.87 m	14.78 m	12.01 m	5.05 m	5.87 m	14.78 m	12.01 m	5.05 m
3.0 m	7.05 m	17.74 m	14.42 m	6.06 m	6.25 m	15.76 m	13.18 m	5.51 m
3.5 m	8.22 m	20.70 m	16.82 m	7.07 m	6.60 m	16.59 m	14.23 m	5.89 m
4.0 m	8.65 m	21.79 m	18.11 m	7.59 m	6.91 m	17.30 m	15.18 m	6.18 m
4.5 m	9.03 m	22.70 m	19.19 m	8.00 m	7.19 m	18.06 m	16.03 m	6.43 m

PHOTOMETRIC GUIDE

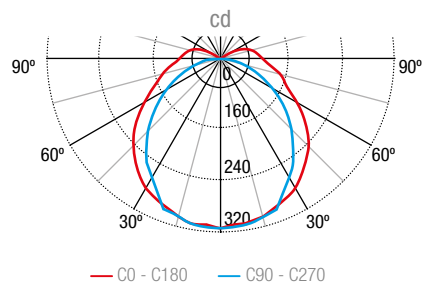
Polycarbonate Enclosure

LSPC1700LX3 = 750 lm



Glass Enclosure

LSVC1700LX3 = 800 lm



For further photometric data or spacing tables, please contact us.

ACCESSORIES *



CAM001
Ringbolt for
suspended mounting



BRD001
Flange for surface
ceiling mounting



APS600
(under request)



PSA001
Cable gland

(*) not included with the luminaires









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