

ZEMPER

THE EMERGENCY LIGHTING SPECIALIST



EMERGENCY LIGHTING



ZEMPER
THE EMERGENCY LIGHTING SPECIALIST



■ 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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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



■ Zemper in the world

SPAIN



Ciudad Real: Headquarters.



Barcelona: Showroom and facilities.



Madrid: Showroom and facilities.

🇧🇪 ZEMPER BELUX



zemper.com/be

🇫🇷 ZEMPER FRANCE



zemper.fr

🇬🇧 ZEMPER UK



zemper.com/uk

Commercial branches: Morocco, Colombia and Dubai.

Zemper is part of FW Thorpe industrial group.



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

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.



■ Production plant

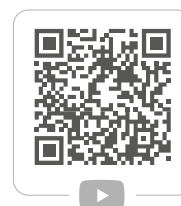
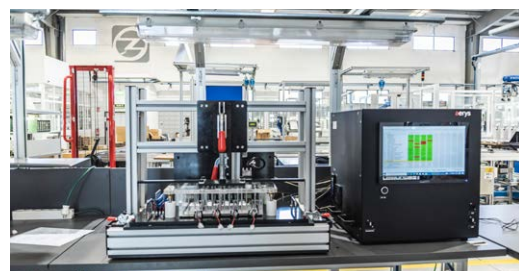


Zemper owns the complete production cycle for emergency luminaires.

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: 10 000 m²
Production Plant: 6 000 m²
Luminaire capacity: 2.5 million units/year



Visit our Factory

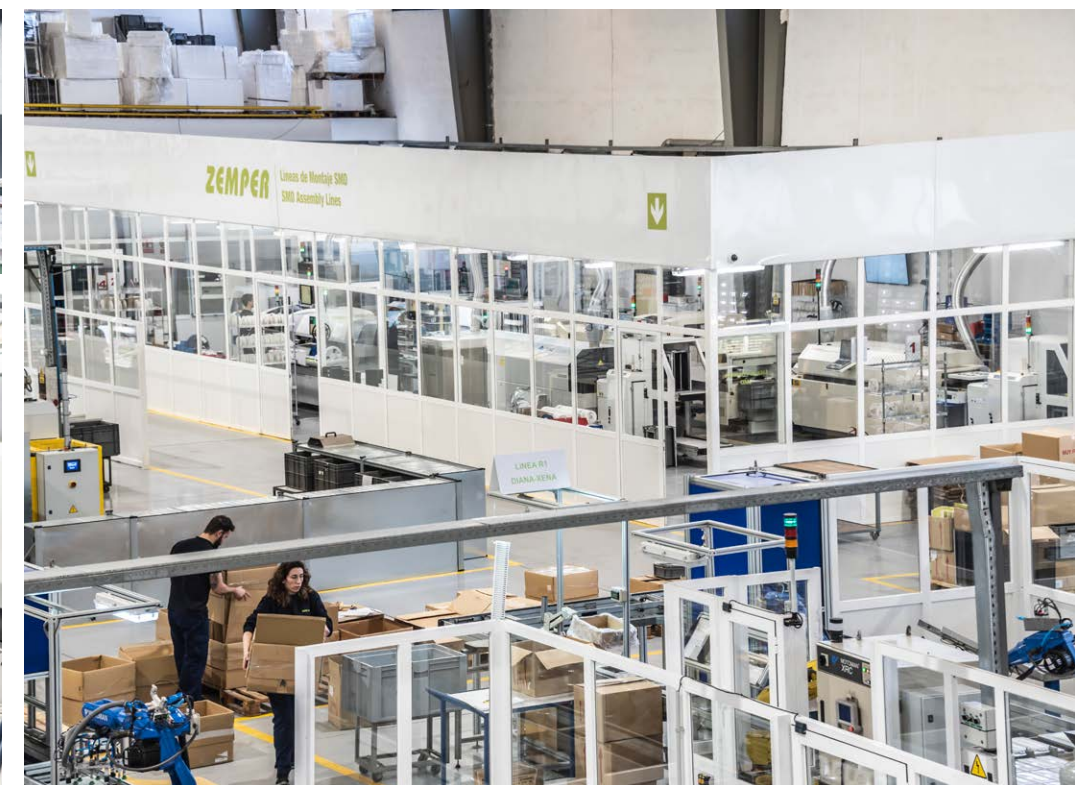
SMD Room ■



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.

3 million components placed per week



■ R&D department



10 Engineers (10% of the staff)

Mechanical development (3D Designs and Mould Management)

Full electronic component design

Systems (Software and Communications)

Lighting designs for projects

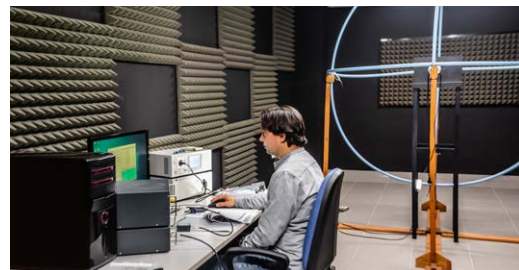
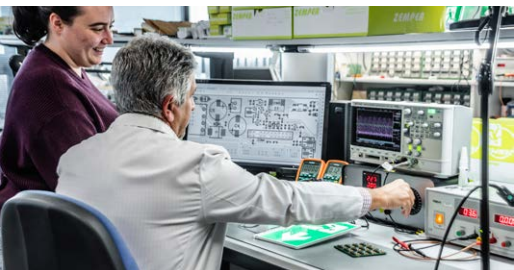
Own laboratories ■



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



■ Our Sustainability Certificates



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.



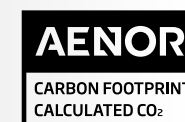
5 Year Warranty:

A genuine warranty with genuine value



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

A leading company in sustainability and environmental commitment



GHG Protocol

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



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.



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

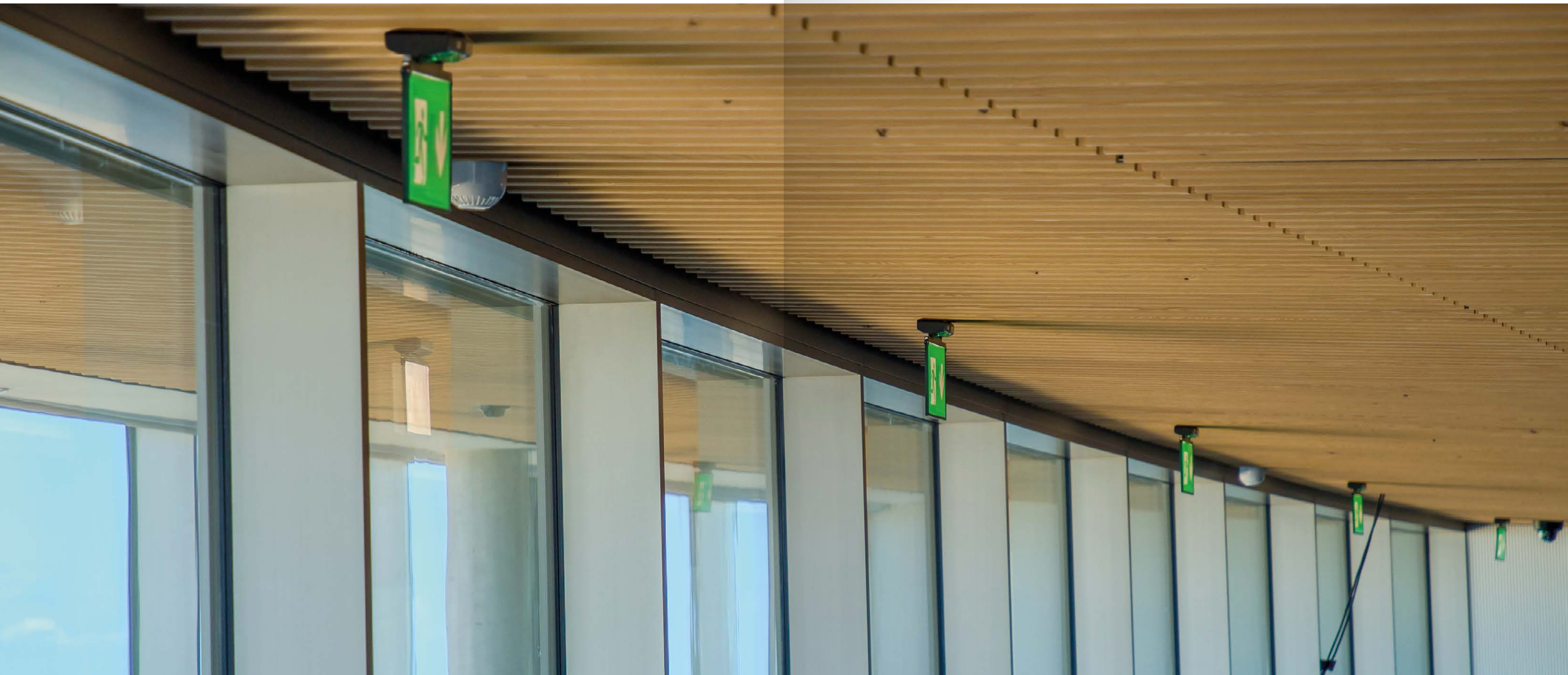
Specifies requirements for an occupational health and safety (OH&S) management system.



IQNet SR10

Gathers the best international practices and recommendations regarding social responsibility.

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



EV¹⁰

Zemper's
most sustainable
and durable range



Environmentally Friendly Emergency Luminaires



The Zemper Way
to a Better World

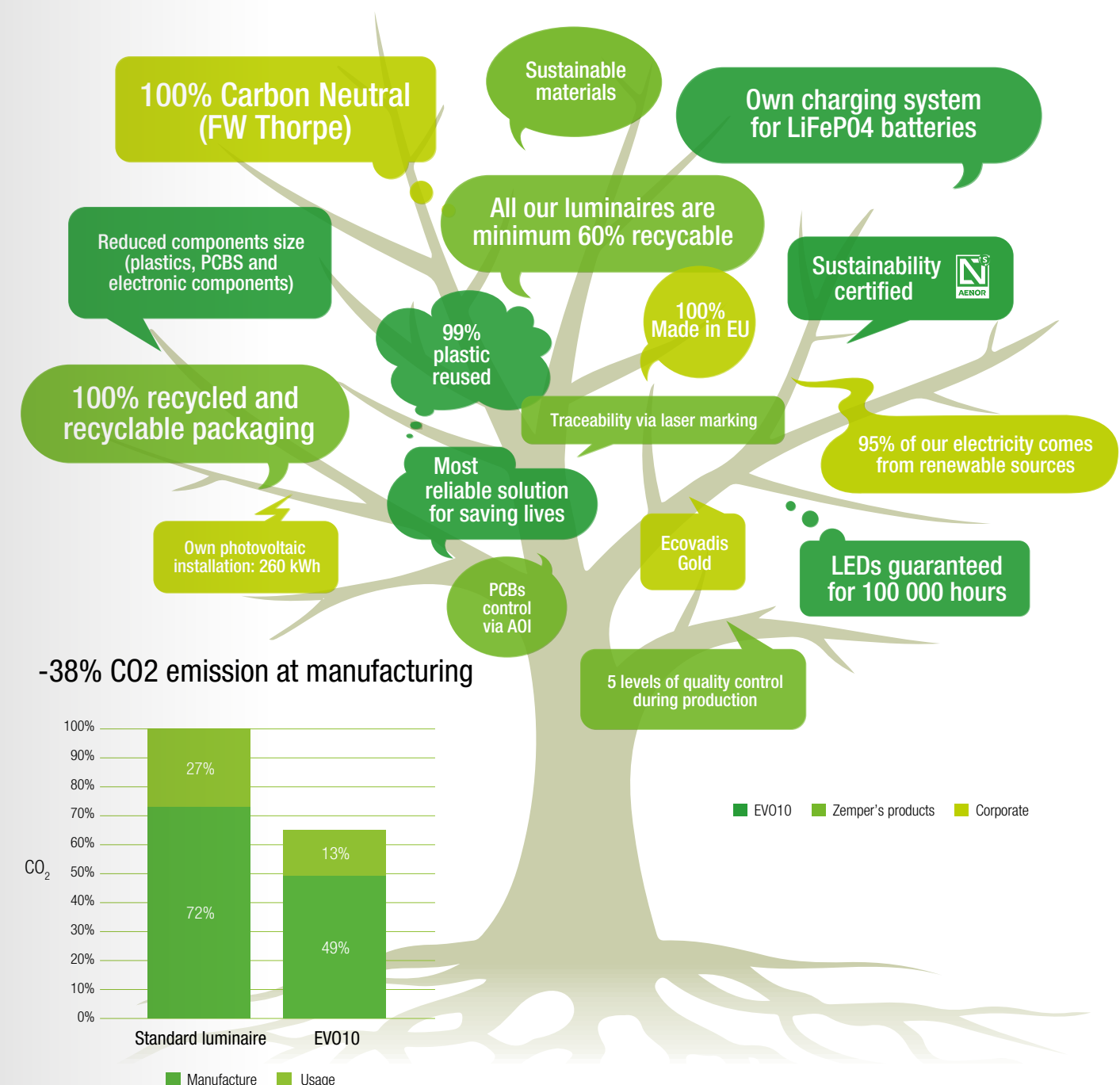
At Zemper we develop more environmentally friendly emergency luminaires. This means the implementation, in our production system, of innovative strategies such as:



Dematerialization, i.e. the use of fewer resources for the production of the same products.



Life cycle design. Our designers not only design “green” products that are environmentally friendly when they are in use, but also throughout the entire life cycle of the luminaire.



Largest Battery Study in the World

In collaboration with experts from the IMDEA Institute, Zemper has conducted **the largest-ever study of LiFePO₄ 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 LiFePO₄ batteries has **optimized battery lifetime**.



Largest Battery Study in the World



Advanced technology – increased/decreased temperature performance range, density/capacity of charge, lightweight etc.

Enhanced storage longevity (correct ambient temperature).

Reduced cell size + lighter weight = smaller product design.

Cost-effective - competitive pricing compared to NiMH & NiCd battery versions.

Reliable operation with **three safety layers of monitoring**: temperature, charge and discharge performance.

Increase warranty due to the **longer lifespan** technology.

Lithium displays **higher sustainable properties** over NiMH & NiCd = lower embedded carbon values.

The **marketing leading technology** for the emergency lighting category.



Environmental Benefits

CO₂

1. Carbon Reduction



'4.6kg CO₂ reduction during a 10 year lifetime'

2. Embedded Carbon



4.5x
Reduction

Current study results:
Per ton of NiMH production = 28,380 kg CO₂e
Per ton of Li Ion Production = 6,308 kg CO₂e

Environmental Benefits

3. Power Consumption

NiCd
Trickle charge - 20,174 watt hours per annum

NiMH
Pulse charge – 14,920 watt hours per annum (26% reduction)

LiFePO₄
Cut off charge – 12,655 watt hours per annum (15% reduction))

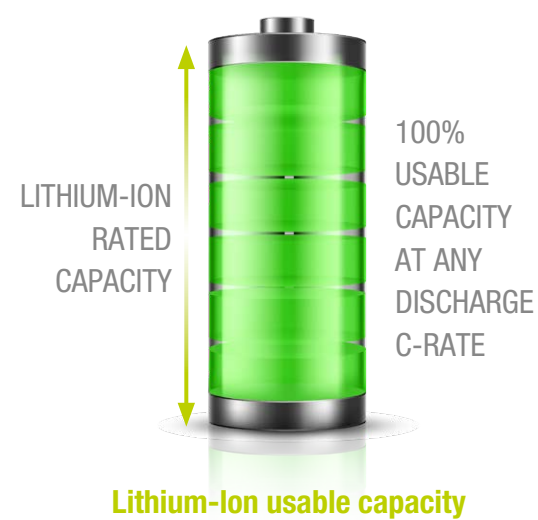
4. End of Life



Higher “usable” capacity

Unlike other batteries, it is considered appropriate to regularly use **90% of the nominal capacity** of a lithium battery bank and even more on an occasional basis.

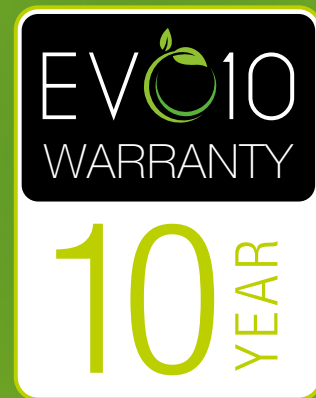
Considering a 100 Ah battery: if it were lead acid, it would be prudent to use a maximum of between 30 and 50 Ah of current, but with a lithium battery 90 Ah or even 100 Ah (100% DoD) could be used.



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.



RANGE



EVOC10

RANGE



SPACE

VIEW TECHNICAL SHEET

Emergency	Dur.	Battery	Lens	Part number
280 lm	1	6.4V-1.5Ah LFP	Corridor	LSLX3251LA
300 lm	1	6.4V-1.5Ah LFP	Narrow	LSLX3304LA
320 lm	1	6.4V-1.5Ah LFP	Area	LSLX3300LA
380 lm	1	6.4V-1.5Ah LFP	Corridor+	LSLX3402LA
400 lm	1	6.4V-1.5Ah LFP	Corner	LSLX3403LA
420 lm	1	6.4V-1.5Ah LFP	Area	LSLX3400LA
420 lm	1	6.4V-1.5Ah LFP	Narrow	LSLX3404LA
285 lm	3	6.4V-3.0Ah LFP	Corridor	LSLX3251LA3
300 lm	3	6.4V-3.0Ah LFP	Narrow	LSLX3304LA3
320 lm	3	6.4V-3.0Ah LFP	Area	LSLX3300LA3
380 lm	3	6.4V-4.0Ah LFP	Corridor+	LSLX3402LA3
400 lm	3	6.4V-4.0Ah LFP	Corner	LSLX3403LA3
420 lm	3	6.4V-4.0Ah LFP	Area	LSLX3400LA3
420 lm	3	6.4V-4.0Ah LFP	Narrow	LSLX3404LA3

Wireless
SmartZ®

280 lm	1	6.4V-1.5Ah LFP	Corridor	LSLX3251LW
300 lm	1	6.4V-1.5Ah LFP	Narrow	LSLX3304LW
320 lm	1	6.4V-1.5Ah LFP	Area	LSLX3300LW
380 lm	1	6.4V-1.5Ah LFP	Corridor+	LSLX3402LW
400 lm	1	6.4V-1.5Ah LFP	Corner	LSLX3403LW
420 lm	1	6.4V-1.5Ah LFP	Area	LSLX3400LW
420 lm	1	6.4V-1.5Ah LFP	Narrow	LSLX3404LW
285 lm	3	6.4V-3.0Ah LFP	Corridor	LSLX3251LW3
300 lm	3	6.4V-3.0Ah LFP	Narrow	LSLX3304LW3
320 lm	3	6.4V-3.0Ah LFP	Area	LSLX3300LW3
380 lm	3	6.4V-4.0Ah LFP	Corridor+	LSLX3402LW3
400 lm	3	6.4V-4.0Ah LFP	Corner	LSLX3403LW3
420 lm	3	6.4V-4.0Ah LFP	Area	LSLX3400LW3
420 lm	3	6.4V-4.0Ah LFP	Narrow	LSLX3404LW3

Non Maintained



EVOC10

RANGE



SPAZIO LUZ 10

VIEW TECHNICAL SHEET



SPAZIO ON 10

VIEW TECHNICAL SHEET



ALYA MAXI 10

VIEW TECHNICAL SHEET



WALYA MAXI 10

VIEW TECHNICAL SHEET



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

For black version, add "N" at the end of the part number.
Luminous flux decreases by 12% in black colour version.

Non Maintained

	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
	95 lm	3 h	3.2V 1.5Ah 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
Wireless SmartZ®	250 lm	1 h	3.2V 1.5Ah LiFePo ₄	LSMX3250LW
	250 lm	1 h	3.2V 1.5Ah LiFePo ₄	LSMX3251LW
	250 lm	1 h	3.2V 1.5Ah LiFePo ₄	LSMX3252LW
	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

For black version, add "N" at the end of the part number.
Luminous flux decreases by 6% in black colour version.

Non Maintained

	Emergency	Dur.	Battery	Part number
	390 lm	1 h	3.2V 1.5Ah/h LiFePo ₄	LYAX5400LA
	175 lm	3 h	3.2V 3.0Ah/h LiFePo ₄	LYAX5170LA3
Wireless SmartZ®	390 lm	1 h	3.2V 1.5Ah/h LiFePo ₄	LYAX5400LW
	175 lm	3 h	3.2V 3.0Ah/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
	285 lm	1 h	3.2V 1.5Ah/h LiFePo ₄	LYWX5300LA
	95 lm	3 h	3.2V 1.5Ah/h LiFePo ₄	LYWX5100LA3
Wireless SmartZ®	285 lm	1 h	3.2V 1.5Ah/h LiFePo ₄	LYWX5300LW
	95 lm	3 h	3.2V 1.5Ah/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



EXITALYA MAXI 10
SURFACE

[VIEW TECHNICAL SHEET](#)



EXITALYA MAXI 10
SURFACE DOWNLIGHT

[VIEW TECHNICAL SHEET](#)



EXITALYA MAXI 10
RECESSED

[VIEW TECHNICAL SHEET](#)



EXITALYA MAXI 10
RED

[VIEW TECHNICAL SHEET](#)

	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.
Non Maintained

	Emergency	Dur.	Battery	Part number
	--	1 h	3.2V 1.5A/h LiFePo ₄	LYRX5070LAP
	--	3 h	3.2V 3.0A/h LiFePo ₄	LYRX5070LAP3
Wireless SmartZ®	--	1 h	3.2V 1.5A/h LiFePo ₄	LYRX5070LWP
	--	3 h	3.2V 3.0A/h LiFePo ₄	LYRX5070LWP3

For black version, add "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	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.
Non Maintained



DIANA 10

[VIEW TECHNICAL SHEET](#)



DIANA IP66 10

[VIEW TECHNICAL SHEET](#)



ARIAN 10

[VIEW TECHNICAL SHEET](#)

	Emergency	Dur.	Battery	Part number
	400 lm	1 h	3.2V 1.8Ah LiFePo ₄	LDFX9400LA
	700 lm	1 h	6.4V 1.5Ah LiFePo ₄	LDFX9700LA
	240 lm	3 h	3.2V 3.0Ah LiFePo ₄	LDFX9230LA3
Wireless SmartZ®	400 lm	1 h	3.2V 1.8Ah LiFePo ₄	LDFX9400LW
	700 lm	1 h	6.4V 1.5Ah LiFePo ₄	LDFX9700LW
	240 lm	3 h	3.2V 3.0Ah LiFePo ₄	LDFX9230LW3

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
	400 lm	1 h	3.2V 1.8Ah LiFePo ₄	LXEX9400LA
	720 lm	1 h	6.4V 1.5Ah LiFePo ₄	LXEX9700LA
	250 lm	3 h	3.2V 3.0Ah LiFePo ₄	LXEX9230LA3
Wireless SmartZ®	400 lm	1 h	3.2V 1.8Ah LiFePo ₄	LXEX9400LW
	720 lm	1 h	6.4V 1.5Ah LiFePo ₄	LXEX9700LW
	250 lm	3 h	3.2V 3.0Ah LiFePo ₄	LXEX9230LW3

Non Maintained

	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

5 YEAR WARRANTY RANGE



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 (corridor + open areas). The light distribution of the Alya is exactly what emergency lighting needs.

ALYA RANGE



Alya

Walya

Alya family is composed of three types of luminaires:

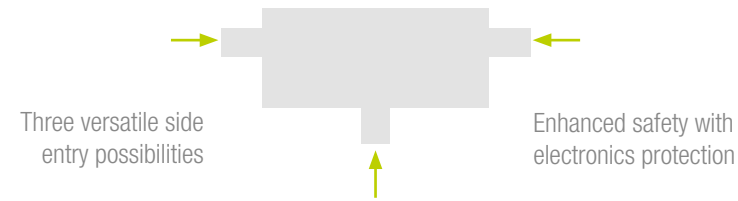
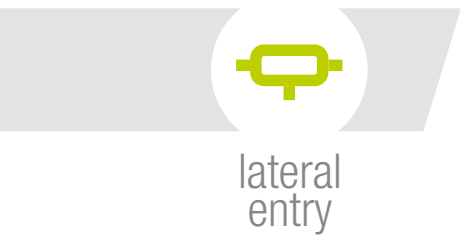
- **Alya:** Luminaire to be used in surface and recessed ceiling mounted.

- **Walya:** Wall mounted luminaire

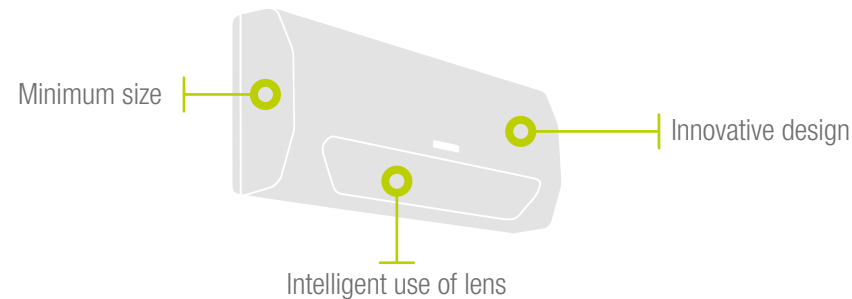
- **Exitalya:** Luminaire specially designed as exit sign which can be adapted to any position or ceiling



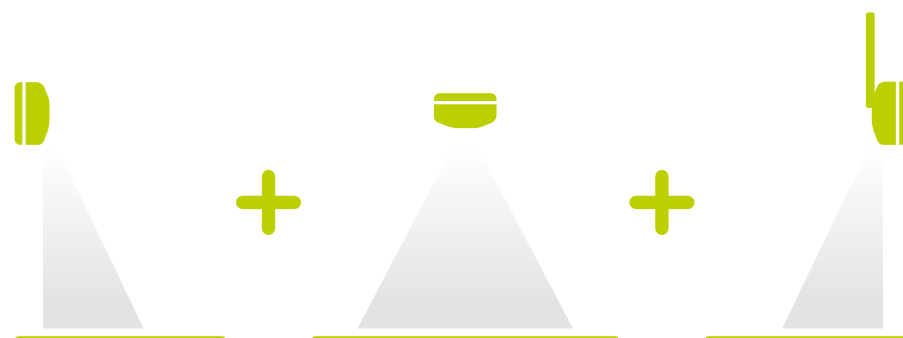
■ Alya Range Advantages



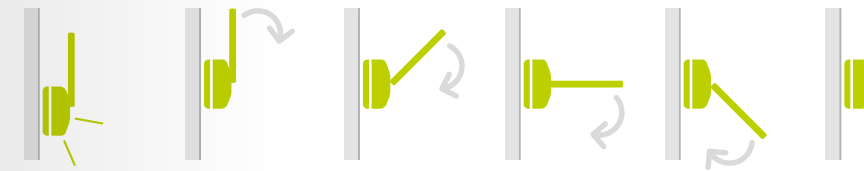
It allows lateral cable entry



Minimalist design and perfect integration



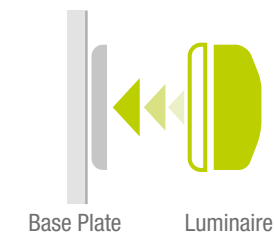
Optimisation. Optics for different objectives



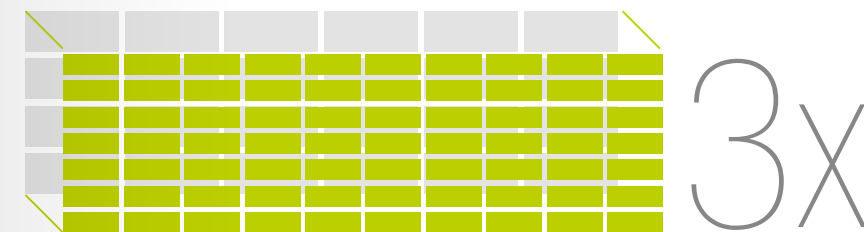
100% flexible



Easy and quick installation



Just a "click"



up to 60% more luminaires
in the same space





Real size



Surface



Recessed



Recessed

Design by
Ángel Díaz Cambrero

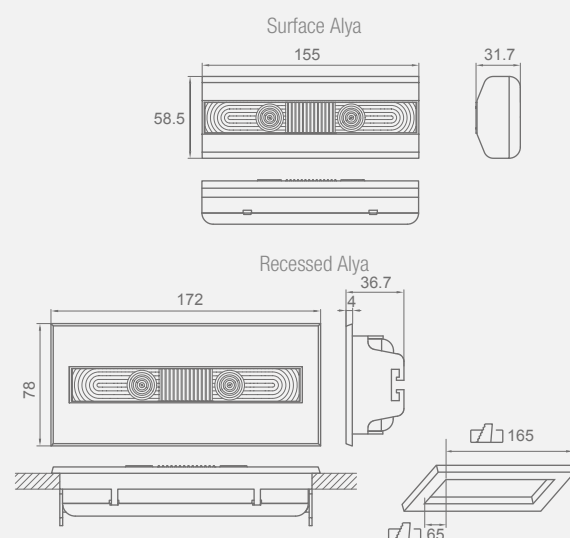
ALYA

SPECIFICATION

- Polycarbonate body
- Optics: 1 lens (circular + hall)
- IP42
- IK04
- 95 lm - 600 lm
- Duration: 1 - 3 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



DIMENSIONS (mm)



STANDARDS COMPLIANCE

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

CERTIFICATIONS



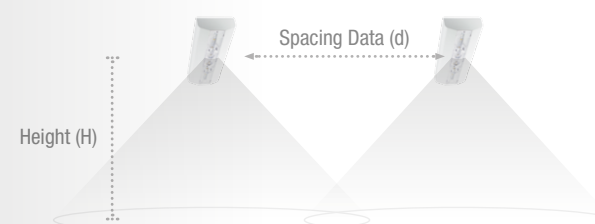
RANGE

	Emergency	Type*	Dur.	Battery	Part number
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
	550 lm	NM	1 h	6.4V 1.5A/h LiFePO ₄	LYA3500LC
	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
	550 lm	NM	1 h	6.4V 1.5A/h LiFePO ₄	LYA3500LX
	150 lm	NM	3 h	3.2V 1.5A/h LiFePO ₄	LYA3150LX3

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

SPACING TABLE

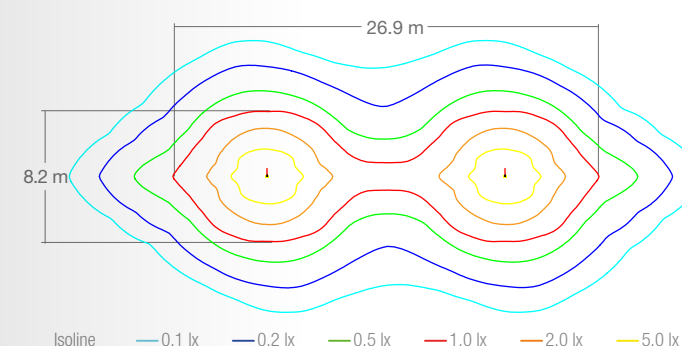
Spacing table calculated with 1 lux minimum illuminance



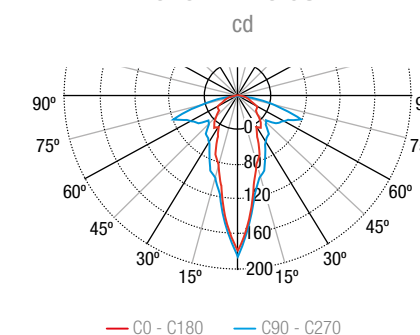
Height (H)	Spacing Data (d)	
	225 lm	350 lm
2.5 m	14.1 m	14.8 m
3 m	14.5 m	17.3 m
4 m	14.1 m	17.9 m
5 m	12.9 m	17.6 m
6 m	12.1 m	16.6 m

ISOLUX CURVE

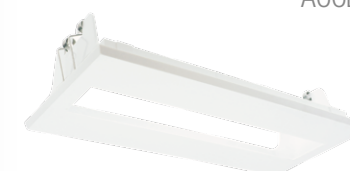
350 lm luminaire placed at 3 m height



PHOTOMETRIC GUIDE



ACCESSORIES



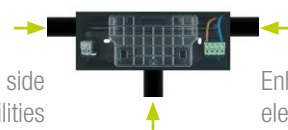
AMY0011
White ceiling recessed accessory



AMY0011N
Black ceiling recessed accessory



Three versatile side
entry possibilities



Enhanced safety with
electronics protection



It allows lateral cable entry.

Design by
Ángel Díaz Cambrero

ALYA MAXI

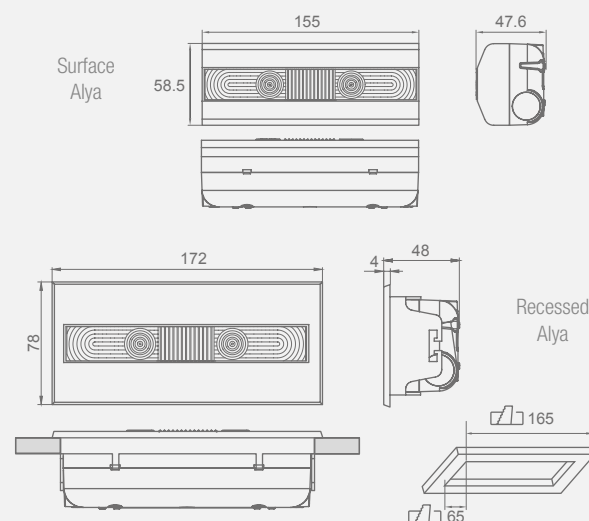
SPECIFICATION

-  Polycarbonate body
-  Optics: 1 lens (circular + hall)
-  IP42
-  IK04
-  100 lm - 600 lm
-  Duration: 1 - 3 - 8 h · Battery: 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®

VIEW EV010 RANGE



DIMENSIONS (mm)



STANDARDS COMPLIANCE

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

CERTIFICATIONS



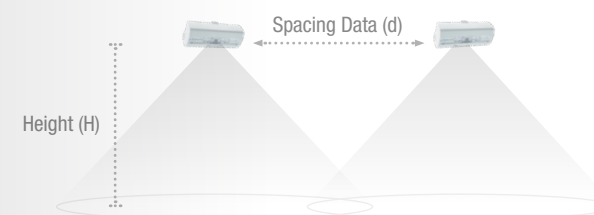
RANGE

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

SPACING TABLE

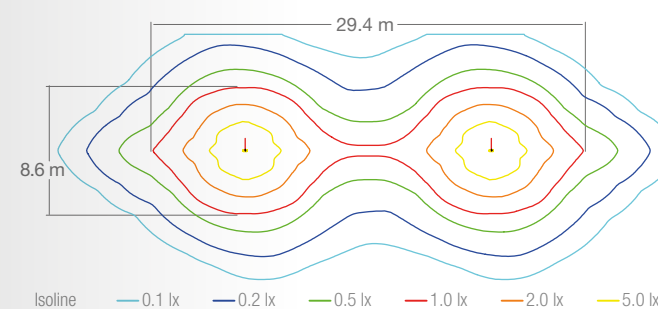
Spacing table calculated with 1 lux minimum illuminance



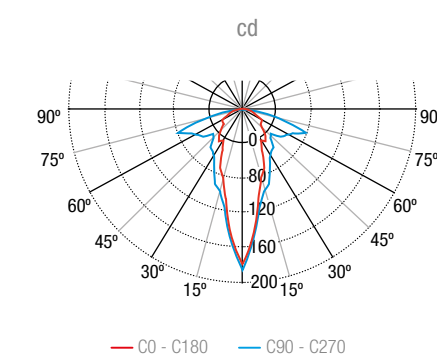
Height (H)	Spacing Data (d)	
	300 lm	390 lm
2.5 m	14.8 m	14.8 m
3 m	16.5 m	17.8 m
4 m	16.4 m	19.1 m
5 m	16.1 m	18.7 m
6 m	14.0 m	17.9 m

ISOLUX CURVE

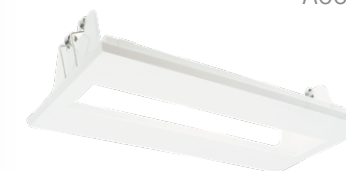
390 lm luminaire placed at 3 m height



PHOTOMETRIC GUIDE



ACCESSORIES



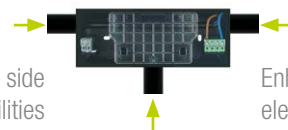
AMY0011
White ceiling recessed accessory



AMY0011N
Black ceiling recessed accessory



Three versatile side
entry possibilities



Enhanced safety with
electronics protection

WALYA MAXI



It allows lateral cable entry.

Design by
Ángel Díaz Cambrero

SPECIFICATION



Polycarbonate body

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®

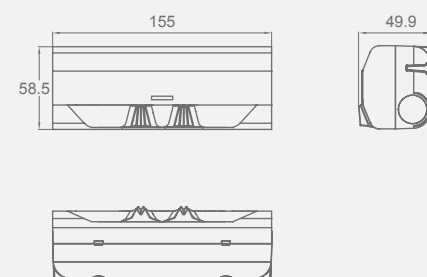


VIEW EVO10 RANGE

WARRANTY
5 YEAR

EVO10 WARRANTY
10 YEAR

DIMENSIONS (mm)



STANDARDS COMPLIANCE

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

CERTIFICATIONS



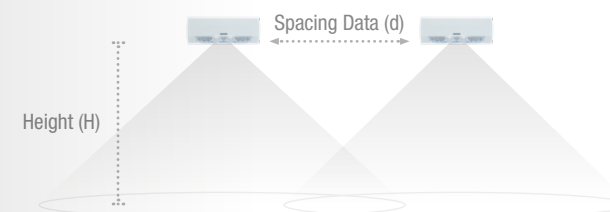
RANGE

	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
	300 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LYW5300LAP
	150 lm	M/NM	3 h	3.2V 1.5A/h LiFePO ₄	LYW5150LAP3
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.
Luminous flux decreases by 18% in black colour version.
For black version, add "N" at the end of the part number

SPACING TABLE

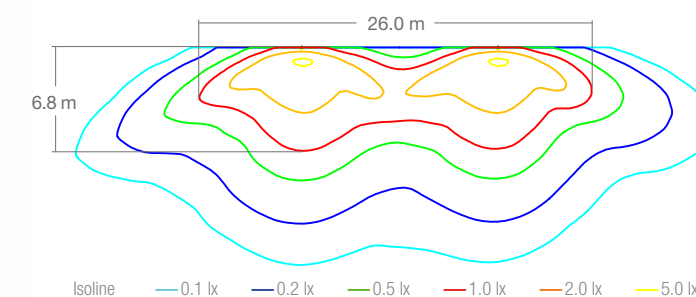
Spacing table calculated with 1 lux minimum illuminance



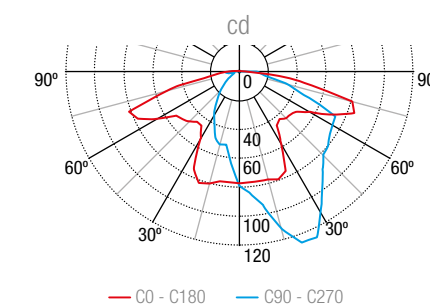
Height (H)	Spacing Data (d)	
	150 lm	300 lm
2.5 m	9.9 m	13.8 m
3 m	9.2 m	14.3 m
3.5 m	8.3 m	13.4 m
4 m	7.0 m	12.2 m
4.5 m	6.9 m	11.2 m

ISOLUX CURVE

300 lm luminaire placed at 3 m height

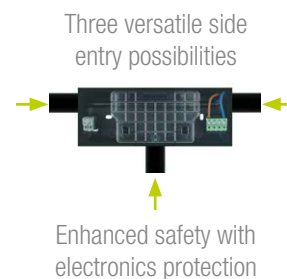


PHOTOMETRIC GUIDE





Design by
Ángel Díaz Cambrero



- Ease of pictogram placement.
- It allows lateral cable entry.

EXITALYA MAXI Surface

(Surface Ceiling Mounted & Surface Wall Mounted)

SPECIFICATION

- Polycarbonate body
- IP42
- IK04
- Duration: 1 - 3 - 8 h · Battery: LiFePO₄
- Charging time: 12 h
- Supply: 230 V - 50 Hz
- LED temperature: 6000 °K
- Working temperature: 0 °C to +40 °C
- AutoTest
- SmartZ®
- Lateral cable entry

VIEW EVO10 RANGE

WARRANTY
5 YEAR

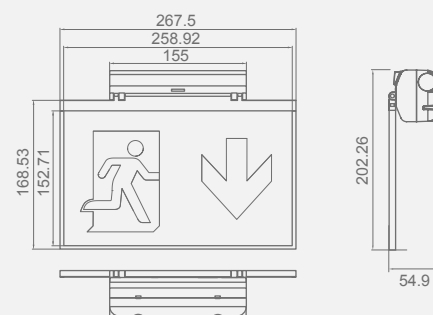
EVO10 WARRANTY
10 YEAR

STANDARDS COMPLIANCE

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

DIMENSIONS (mm)

Surface Wall Mounted



VIEWING DISTANCE



CERTIFICATIONS



New transparent frame

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.

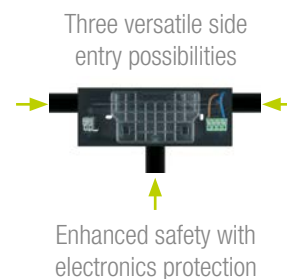


Ease of pictogram placement

It is supplied with a complete set of pictographs



Design by
Ángel Díaz Cambrero



- Ease of pictogram placement.
- It allows lateral cable entry.



EXITALYA MAXI Surface Downlight

(Surface Wall Mounted)

SPECIFICATION

- Polycarbonate body
- Sign + Optics
- IP42
- IK04
- 120 lm
- Duration: 1 - 3 h - Battery: LiFePO₄
- Charging time: 12 h
- Supply: 230 V - 50 Hz
- LED temperature: 6000 °K
- Working temperature: 0 °C to +40 °C
- AutoTest
- SmartZ®
- Lateral cable entry

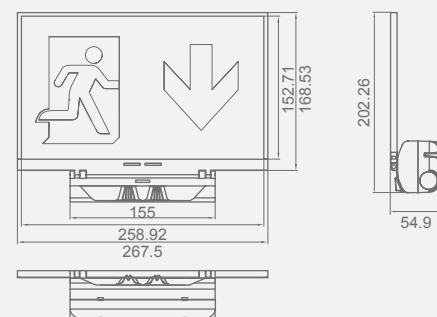
VIEW EVO10 RANGE

WARRANTY
5 YEAR

EVO10 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



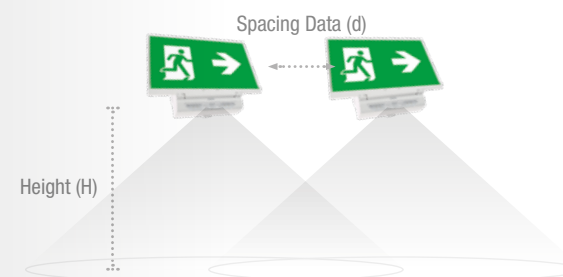
New transparent frame

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

*M/NM: Maintained/Non Maintained. With a switch which allows to select Maintained or Non Maintained mode function.
Luminous flux decreases by 18% in black colour version.
For black version, add "N" at the end of the part number.

SPACING TABLE

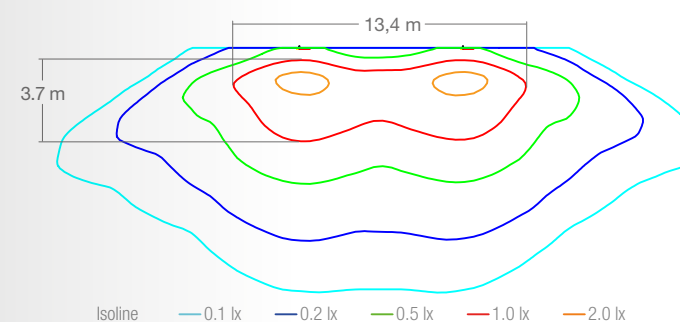
Spacing table calculated with 1 lux minimum illuminance



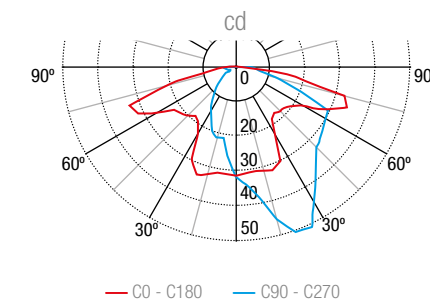
Height (H)	Spacing Data (d)
	120 lm
2.5 m	8.5 m
3 m	7.8 m
3.5 m	6.7 m
4 m	6.3 m
4.5 m	6.3 m

ISOLUX CURVE

120 lm luminaire placed at 3 m height



PHOTOMETRIC GUIDE



Ease of pictogram
placement

It is supplied with a complete set of pictograms



1 unit



1 unit



2 units

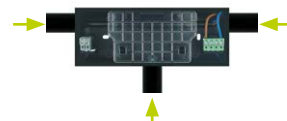


1 unit (white)



Design by
Ángel Díaz Cambronero

Three versatile side
entry possibilities



Enhanced safety with
electronics protection



Ease of pictogram placement.

EXITALYA MAXI

Recessed

(Recessed Wall Mounted & Ceiling Recessed Mounted)

SPECIFICATION

- Polycarbonate body
- IP42
- IK04
- Duration: 1 - 3 - 8 h · Battery: LiFePO₄
- Charging time: 12 h
- Supply: 230 V - 50 Hz
- LED temperature: 6000 °K
- Working temperature: 0 °C to +40 °C
- AutoTest
- SmartZ®

VIEW EVO10 RANGE

WARRANTY
5
YEAR

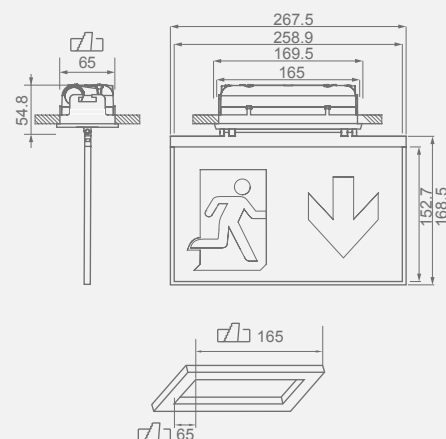
EVO10
WARRANTY
10
YEAR

STANDARDS COMPLIANCE

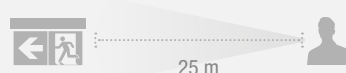
EN-60598-2-22
Pictographs: EN ISO7010
AutoTest: EN-62034
DALI-2: EN 62386
Wireless SmartZ®: ETSI EN 303 447-1

DIMENSIONS (mm)

Ceiling Recessed Mounted



VIEWING DISTANCE



CERTIFICATIONS



New transparent frame

RANGE				
	Type*	Dur.	Battery	Part number
AutoTest	M	1 h	3.2V 1.0A/h LiFePO ₄	LYR5070LXP
	M	3 h	3.2V 1.5A/h LiFePO ₄	LYR5070LXP3
	M	1 h	3.2V 1.0A/h LiFePO ₄	LYR5070LAP
	M	3 h	3.2V 1.5A/h LiFePO ₄	LYR5070LAP3
Wireless SmartZ®	M	1 h	3.2V 1.0A/h LiFePO ₄	LYR5070LWP
	M	3 h	3.2V 1.5A/h LiFePO ₄	LYR5070LWP3
	M	8 h	3.2V 3.0A/h LiFePO ₄	LYR5070LWP8

*M: Maintained.

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



Ease of pictogram
placement

It is supplied with a complete set of pictograms



1 unit



1 unit



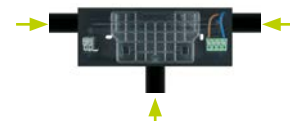
2 units



1 unit (white)



Three versatile side
entry possibilities



Enhanced safety with
electronics protection

Ease of pictogram placement.

It allows lateral cable entry.

EXITALYA MAXI Red

(Surface Wall Mounted)

Design by
Ángel Díaz Cambrero

SPECIFICATION

- Polycarbonate body
- Sign + Optics
- IP42
- IK04
- 120 lm
- Duration: 1 - 3 h - Battery: LiFePO₄
- Charging time: 12 h
- Supply: 230 V - 50 Hz
- LED temperature: 6000 °K
- Working temperature: 0 °C to +40 °C
- AutoTest
- SmartZ[®]
- Lateral cable entry

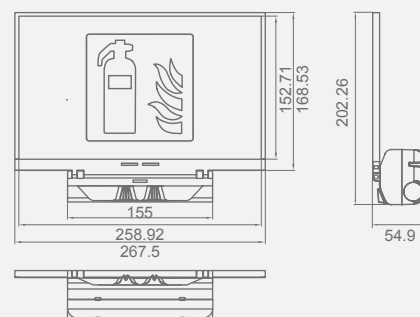
VIEW EVO10 RANGE

WARRANTY
5 YEAR

EVO10 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



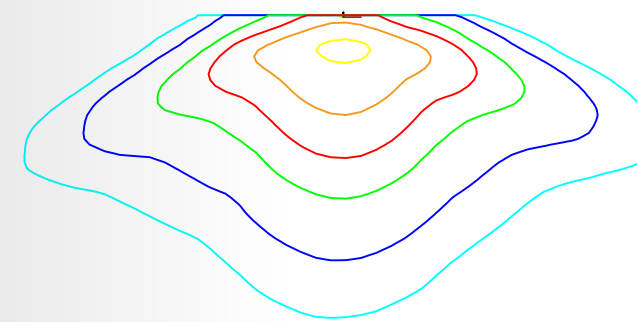
New transparent frame

RANGE						
	Emergency	Mains	Type*	Dur.	Battery	Part number
AutoTest	120 lm	70 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LYE5125LXP
	120 lm	70 lm	M/NM	3 h	3.2V 3.0A/h LiFePO ₄	LYE5125LXP3
	120 lm	70 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LYE5125LAP
	120 lm	70 lm	M/NM	3 h	3.2V 3.0A/h LiFePO ₄	LYE5125LAP3
Wireless SmartZ [®]	120 lm	70 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LYE5125LWP
	120 lm	70 lm	M/NM	3 h	3.2V 3.0A/h LiFePO ₄	LYE5125LWP3

*M/NM: Maintained/Non Maintained. With a switch which allows to select Maintained or Non Maintained mode function.
Luminous flux decreases by 18% in black colour version.
For black version, add "N" at the end of the part number.

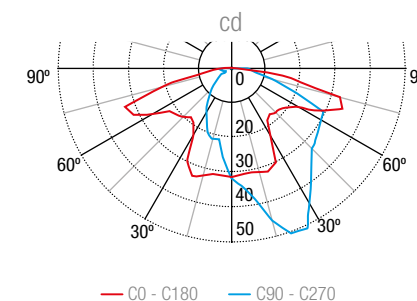
ISOLUX CURVE

120 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

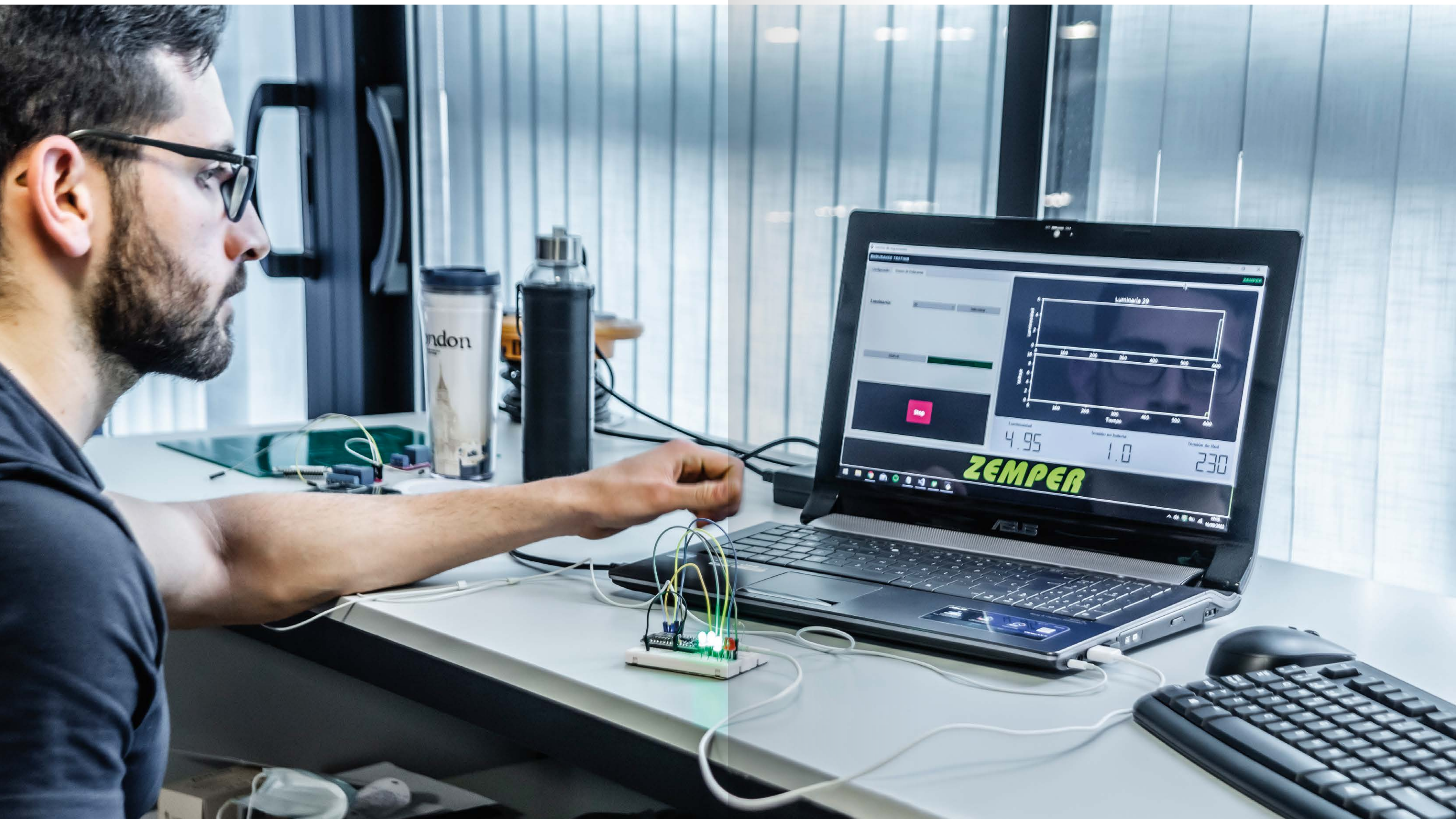
PHOTOMETRIC GUIDE



Ease of pictogram
placement

It is supplied with a complete set of pictograms







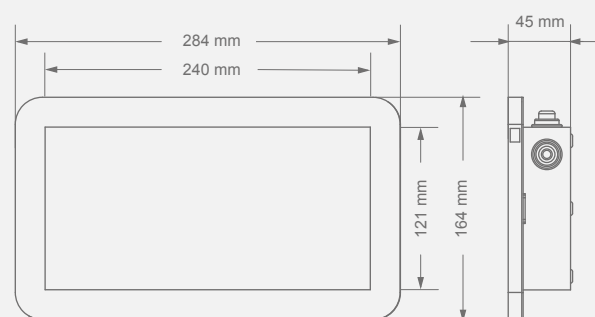
EXTYLE

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
-  Class: I
-  Mode: M/NM
-  Suitable for flammable surfaces: Yes



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

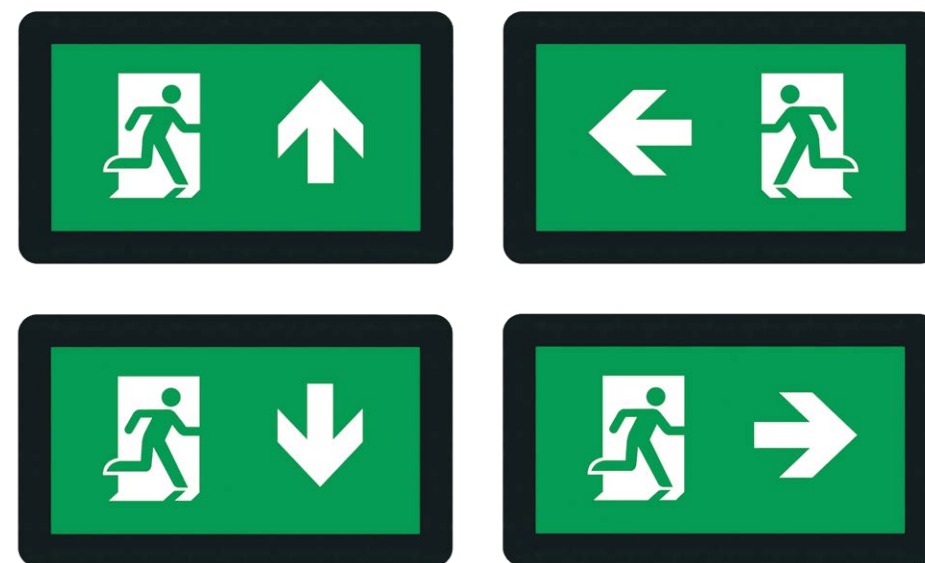
CERTIFICATIONS



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

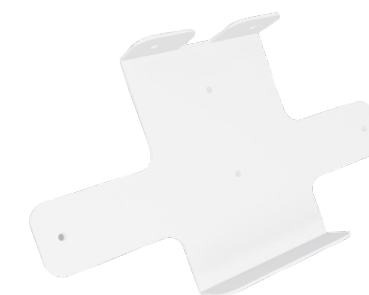
M/NM: Maintained/Non Maintained. With a switch which allows selecting the Maintained or Non Maintained mode function, via jumper on a terminal strip.
It is supplied with a complete set of pictograms (up, down, and right/left arrow).



ACCESORIES



· APX001 - Flag Mounting Accessory.



· ATX001 - Ceiling Surface Accessory.



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

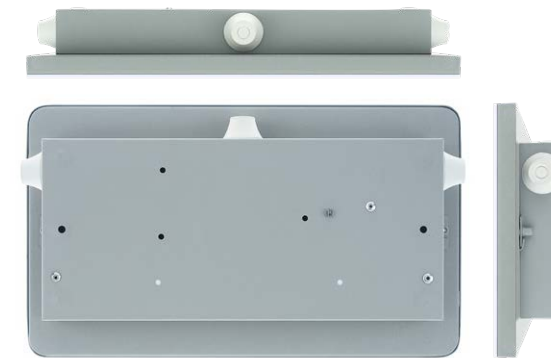
Possibility of connection with: Surface tube wiring. Connection via Ø6mm hose or Ø16mm or Ø20mm tube (3 inputs).

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**.



METALLIC
AND ROBUST



Flag mounting



Ceiling mounting



Wall mounting



Flag mounting



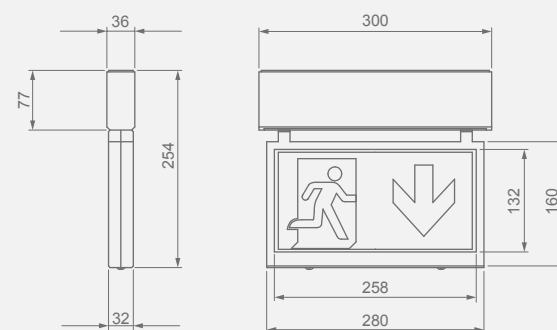
HARENA

SPECIFICATION

-  Polycarbonate body
-  Circular Lens (LEDs version)
-  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®



DIMENSIONS (mm)



VIEWING DISTANCE



STANDARDS COMPLIANCE

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

CERTIFICATIONS



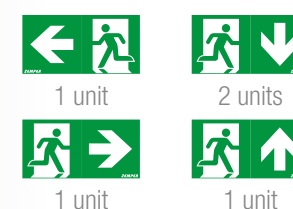
RANGE

	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.
White colour under request.

ACCESSORIES

It is supplied with a complete set of green pictograms



AKS200
Ceiling suspension
accessory





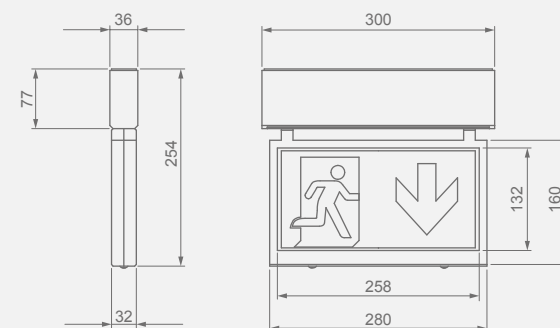
HARENA WITH DOWNLIGHT

SPECIFICATION

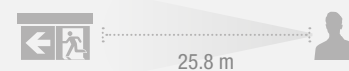
- Polycarbonate body
- Circular Lens (LEDs version)
- IP42
- IK04
- 50 lm - 120 lm
- Duration: 1 - 3 - 8 h · Battery: LiFePO₄
- Charging time: 12 h
- Supply: 230 V - 50 Hz
- LED temperature: 4000 °K
- Working temperature: 0 °C to +40 °C
- AutoTest
- SmartZ®



DIMENSIONS (mm)



VIEWING DISTANCE



STANDARDS COMPLIANCE

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

CERTIFICATIONS



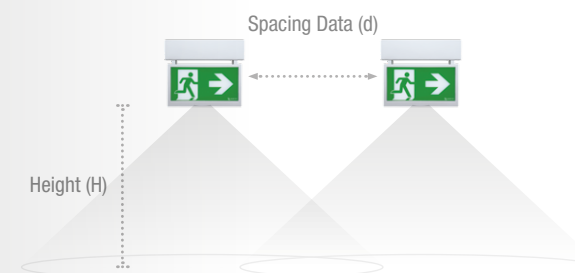
RANGE

	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.
White colour under request.

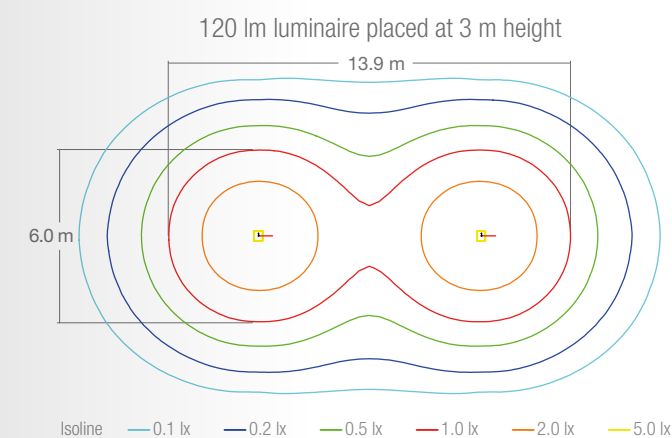
SPACING TABLE

Spacing table calculated with 1 lux minimum illuminance

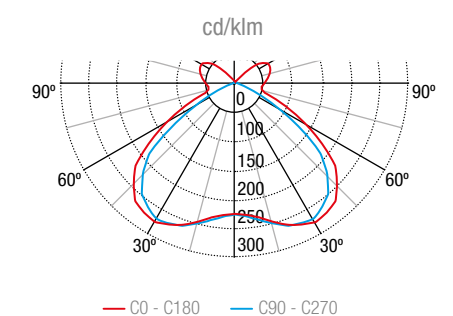


Height (H)	Spacing Data (d)
	120 lm
2.5 m	7.7 m
3 m	8.3 m
4 m	9.0 m
5 m	9.1 m
6 m	6.5 m

ISOLUX CURVE



PHOTOMETRIC GUIDE



ACCESSORIES

It is supplied with a complete set of green pictograms



For other pictograms, please see part numbers below



Included



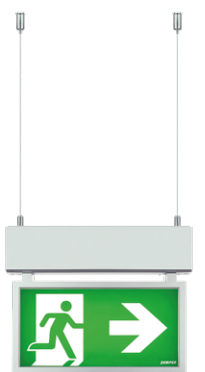
Under request



Under request



Under request



AKS200
Ceiling suspension
accessory



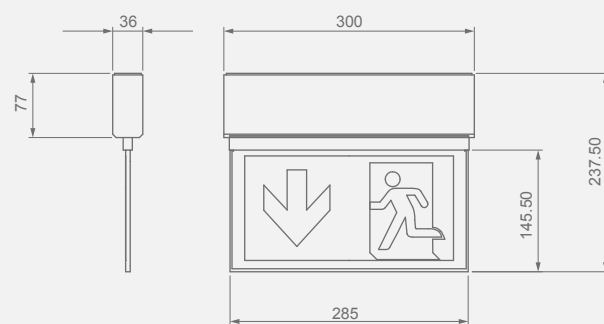
KONS

SPECIFICATION

- Polycarbonate body
- IP42
- IK04
- 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®



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



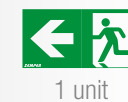
RANGE

	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

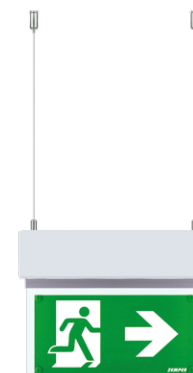
*M: Maintained.

ACCESSORIES

It is supplied with a complete set of pictograms



AKS200
Ceiling suspension
accessory





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

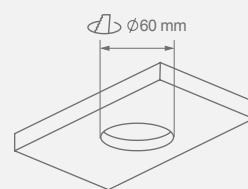
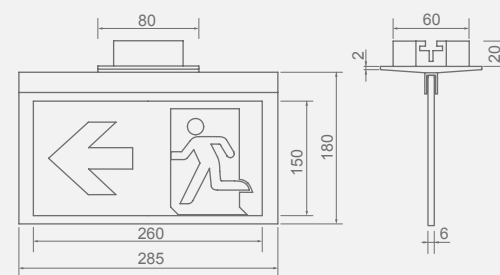


STANDARDS COMPLIANCE

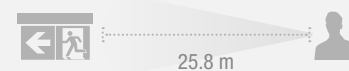
EN-60598-2-22
Pictographs: EN ISO7010
AutoTest: EN-62034
DALI-2: EN 62386



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.





SPACE



IP44/ IP65 (with accessory) IK04

SPECIFICATION

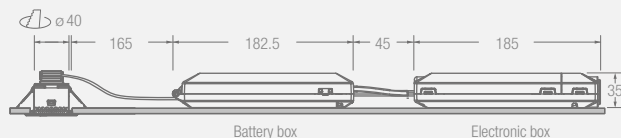
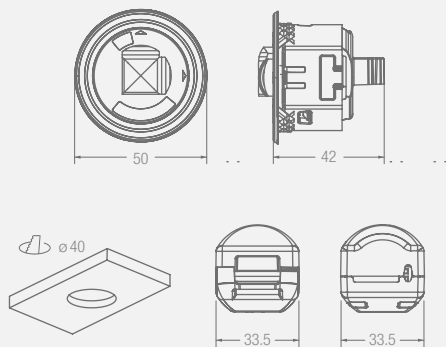
- Polycarbonate body
- Available with 5 different lens
- IP44 / IP65 (with accessory under request)
- IK04
- 280 lm - 420 lm
- Duration: 1 - 3 h · Battery: LiFePO₄
- Charging time: 12 h / 24 h (Cold)
- Supply: 230 V - 50 Hz
- LED temperature: 4000 °K
- Working temperature: 0 °C to +40 °C
- SmartZ[®]



VIEW EVO10 RANGE



DIMENSIONS (mm)



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

CERTIFICATIONS



SPACE

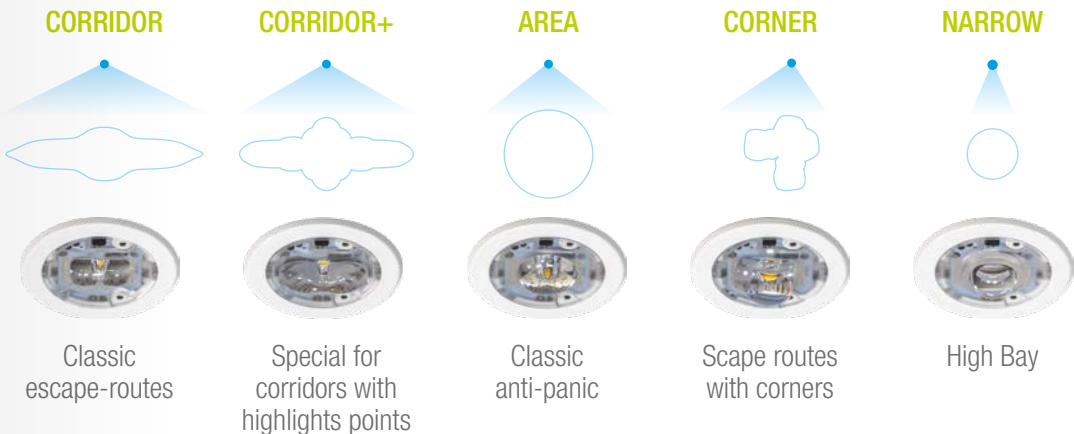


Wireless
SmartZ[®]

RANGE							
Emergency	Type*	Lens	Dur.	LED	Battery	Part number	
280 lm	NM	Corridor	1	3 W	6.4V 1.5A/h LiFePO ₄	LSLX3251LA	
300 lm	NM	Narrow	1	3 W	6.4V 1.5A/h LiFePO ₄	LSLX3304LA	
320 lm	NM	Area	1	3 W	6.4V 1.5A/h LiFePO ₄	LSLX3300LA	
380 lm	NM	Corridor+	1	4 W	6.4V 1.5A/h LiFePO ₄	LSLX3402LA	
400 lm	NM	Corner	1	4 W	6.4V 1.5A/h LiFePO ₄	LSLX3403LA	
420 lm	NM	Area	1	4 W	6.4V 1.5A/h LiFePO ₄	LSLX3400LA	
420 lm	NM	Narrow	1	4 W	6.4V 1.5A/h LiFePO ₄	LSLX3404LA	
285 lm	NM	Corridor	3	3 W	6.4V 3.0A/h LiFePO ₄	LSLX3251LA3	
300 lm	NM	Narrow	3	3 W	6.4V 3.0A/h LiFePO ₄	LSLX3304LA3	
320 lm	NM	Area	3	3 W	6.4V 3.0A/h LiFePO ₄	LSLX3300LA3	
380 lm	NM	Corridor+	3	4 W	6.4V 4.0A/h LiFePO ₄	LSLX3402LA3	
400 lm	NM	Corner	3	4 W	6.4V 4.0A/h LiFePO ₄	LSLX3403LA3	
420 lm	NM	Area	3	4 W	6.4V 4.0A/h LiFePO ₄	LSLX3400LA3	
420 lm	NM	Narrow	3	4 W	6.4V 4.0A/h LiFePO ₄	LSLX3404LA3	
280 lm	NM	Corridor	1	3 W	6.4V 1.5A/h LiFePO ₄	LSLX3251LW	
300 lm	NM	Narrow	1	3 W	6.4V 1.5A/h LiFePO ₄	LSLX3304LW	
320 lm	NM	Area	1	3 W	6.4V 1.5A/h LiFePO ₄	LSLX3300LW	
380 lm	NM	Corridor+	1	4 W	6.4V 1.5A/h LiFePO ₄	LSLX3402LW	
400 lm	NM	Corner	1	4 W	6.4V 1.5A/h LiFePO ₄	LSLX3403LW	
420 lm	NM	Area	1	4 W	6.4V 1.5A/h LiFePO ₄	LSLX3400LW	
420 lm	NM	Narrow	1	4 W	6.4V 1.5A/h LiFePO ₄	LSLX3404LW	
285 lm	NM	Corridor	3	3 W	6.4V 3.0A/h LiFePO ₄	LSLX3251LW3	
300 lm	NM	Narrow	3	3 W	6.4V 3.0A/h LiFePO ₄	LSLX3304LW3	
320 lm	NM	Area	3	3 W	6.4V 3.0A/h LiFePO ₄	LSLX3300LW3	
380 lm	NM	Corridor+	3	4 W	6.4V 4.0A/h LiFePO ₄	LSLX3402LW3	
400 lm	NM	Corner	3	4 W	6.4V 4.0A/h LiFePO ₄	LSLX3403LW3	
420 lm	NM	Area	3	4 W	6.4V 4.0A/h LiFePO ₄	LSLX3400LW3	
420 lm	NM	Narrow	3	4 W	6.4V 4.0A/h LiFePO ₄	LSLX3404LW3	

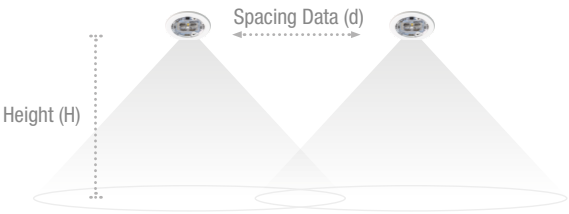
*NM: Non Maintained. The luminaire operates from emergency supply only upon failure of the normal mains supply.

5 lens options:



SPACING TABLE

Spacing table calculated with 1 lux minimum illuminance



Height (H)	Spacing Data (d)	
	320 lm	420 lm
2.5 m	14.7 m	15.5 m
3 m	16.2 m	17.4 m
4 m	16.6 m	19.3 m
5 m	14.3 m	17.9 m
6 m	12.2 m	15.7 m



Height (H)	Spacing Data (d)	
	280 lm	
2.5 m	27.8 m	
3 m	29.6 m	
4 m	32.8 m	
5 m	33.7 m	
6 m	24.8 m	



Height (H)	Spacing Data (d)	
	380 lm	
2.5 m	25.4 m	
3 m	27.6 m	
4 m	24.4 m	
5 m	14.0 m	
6 m	12.7 m	

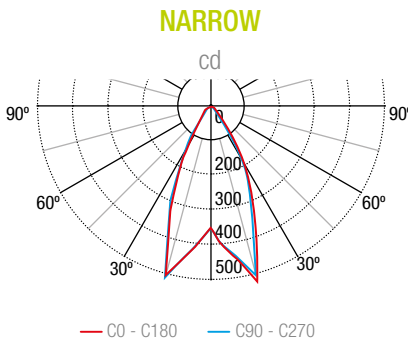
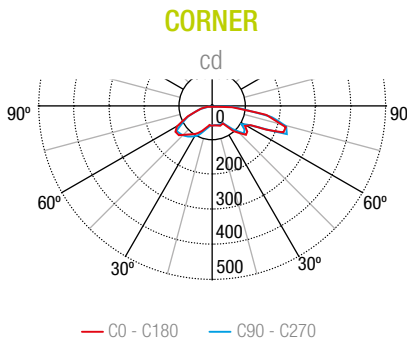
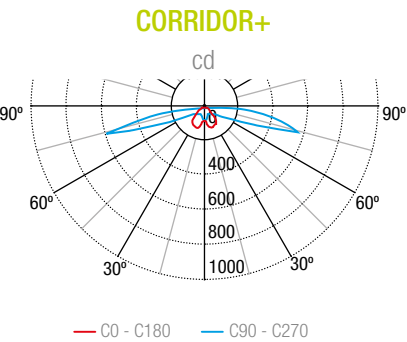
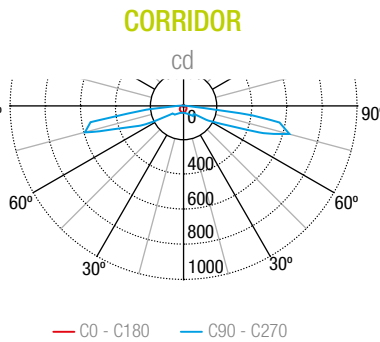
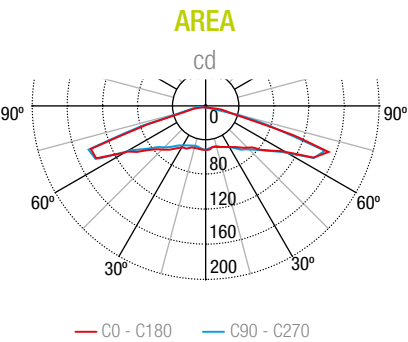


Height (H)	Spacing Data (d)	
	400 lm	
2.5 m	15.2 m	
3 m	15.2 m	
4 m	15.2 m	
5 m	16.3 m	
6 m	14.8 m	

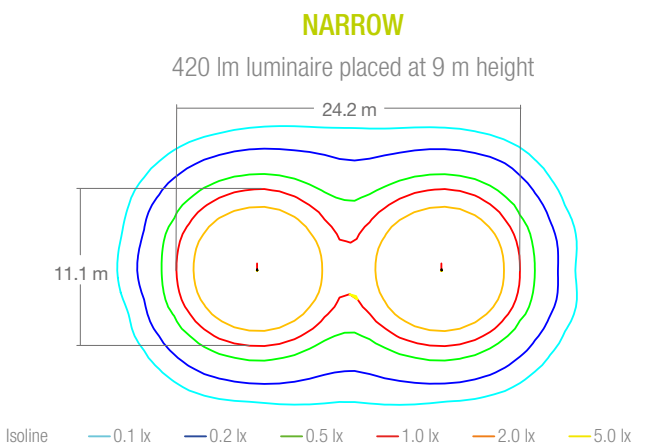
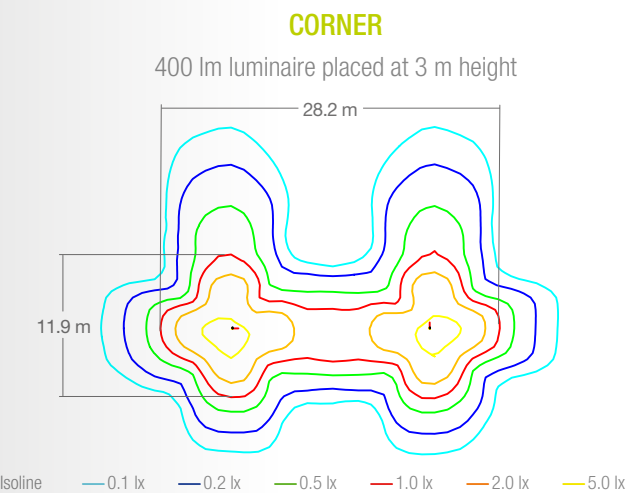
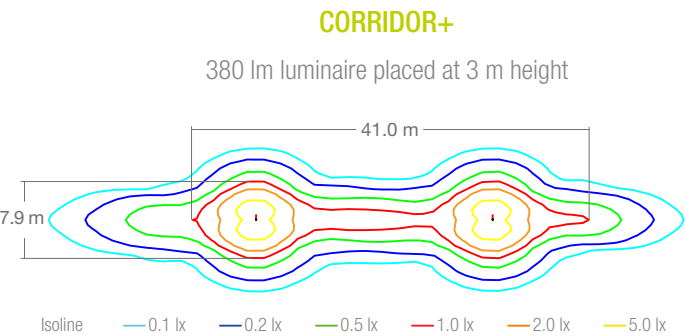
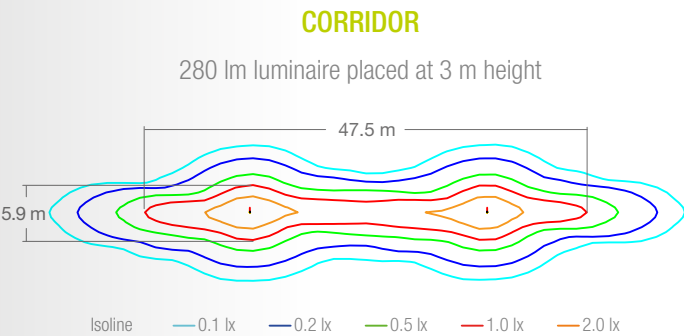
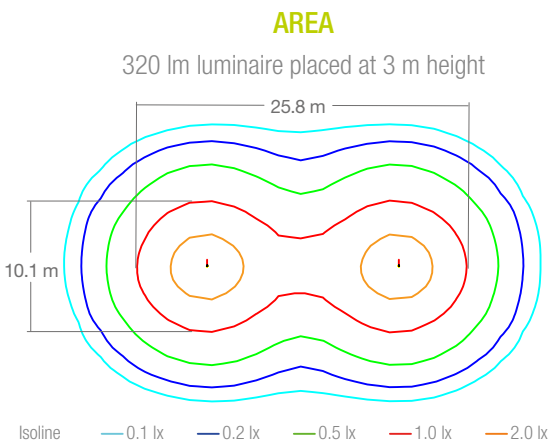


Height (H)	Spacing Data (d)	
	320 lm	420 lm
5 m	9.2 m	9.1 m
7 m	11.0 m	10.8 m
9 m	12.4 m	12.3 m
11 m	14.0 m	13.7 m
13 m	15.0 m	14.7 m

PHOTOMETRIC GUIDE



ISOLUX CURVE



Enhanced Safety & Reliability

- 

NTC on battery
(Monitors temperature, protects battery)
- 

Sustainable and durable components
- 

Superior performance
- 

Lithium battery
- 

IP44 (IP65)*
Ingress Protection
* Under request



ACE0065
IP65 accessory



AMAZING

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





Real size



SPAZIO MINI

SPECIFICATION

- Polyamide body
- Escape route lens - D
- Anti-panic lens - R
- IP42
- IK04
- 165 lm - 280 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®



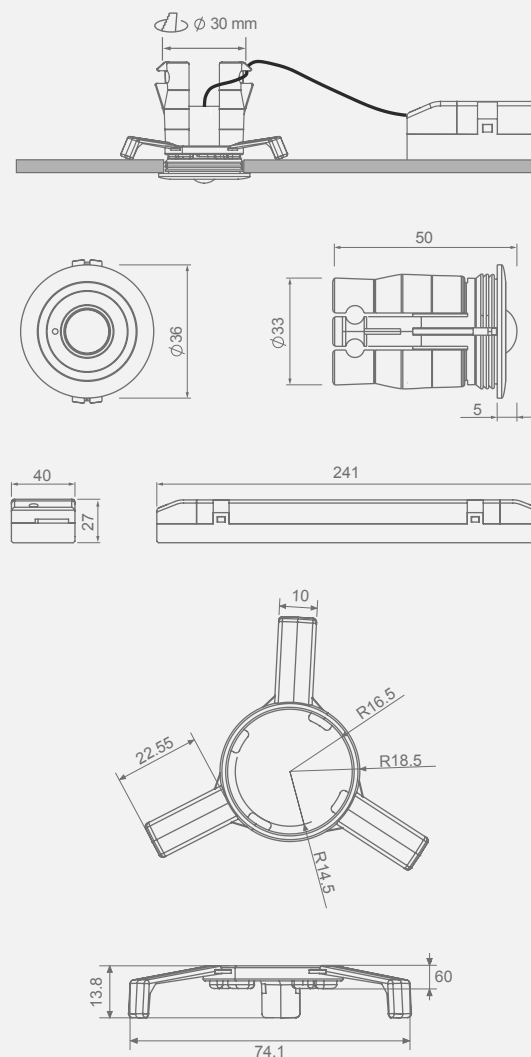
STANDARDS COMPLIANCE

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	280 lm		NM	Area	1 h	3.2V 1.5A/h LiFePO ₄	LMR9250LX
	280 lm		NM	Corridor	1 h	3.2V 1.5A/h LiFePO ₄	LMR9251LX
	280 lm	150 lm	M/NM	Area	1 h	3.2V 1.5A/h LiFePO ₄	LMR9250LAP
	280 lm	150 lm	M/NM	Corridor	1 h	3.2V 1.5A/h LiFePO ₄	LMR9251LAP
	165 lm	100 lm	M/NM	Area	3 h	3.2V 1.8A/h LiFePO ₄	LMR9170LAP3
	165 lm	100 lm	M/NM	Corridor	3 h	3.2V 1.8A/h LiFePO ₄	LMR9171LAP3
Wireless SmartZ®	280 lm	150 lm	M/NM	Area	1 h	3.2V 1.5A/h LiFePO ₄	LMR9250LWP
	280 lm	150 lm	M/NM	Corridor	1 h	3.2V 1.5A/h LiFePO ₄	LMR9251LWP
	165 lm	100 lm	M/NM	Area	3 h	3.2V 1.8A/h LiFePO ₄	LMR9170LWP3
	165 lm	100 lm	M/NM	Corridor	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.

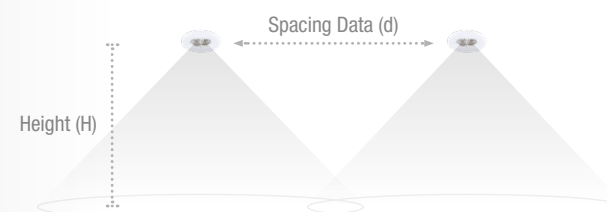
Luminous flux decreases by 10% in black colour version.

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

SPACING TABLE

ESCAPE ROUTE LENS

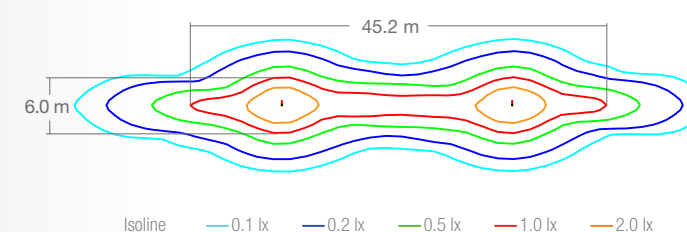
Spacing table calculated with 1 lux minimum illuminance



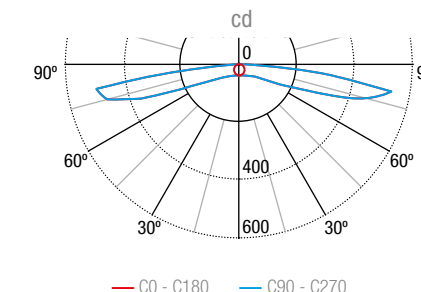
Height (H)	Spacing Data (d)	
	165 lm	280 lm
2.5 m	23.0 m	28.1 m
3 m	23.9 m	29.4 m
4 m	19.8 m	31.4 m
5 m	11.3 m	27.0 m
6 m	8.2 m	16.2 m

ISOLUX CURVE

280 lm luminaire placed at 3 m height



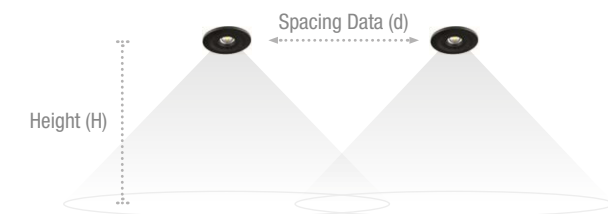
PHOTOMETRIC GUIDE



SPAZIO MINI

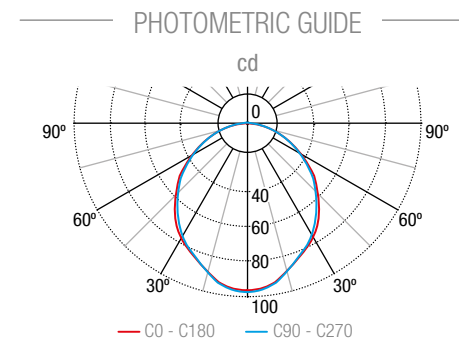
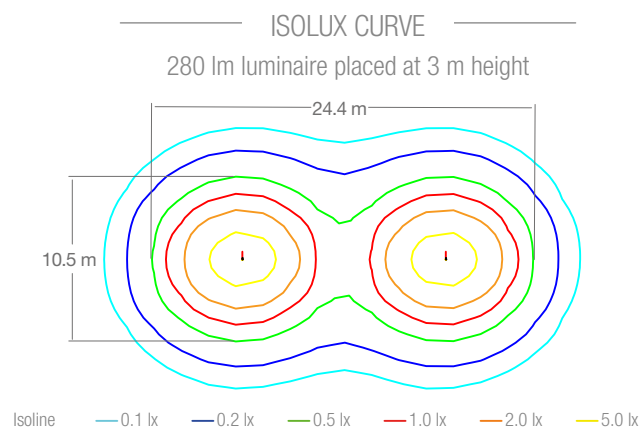
ZEMPER

ANTI-PANIC LENS

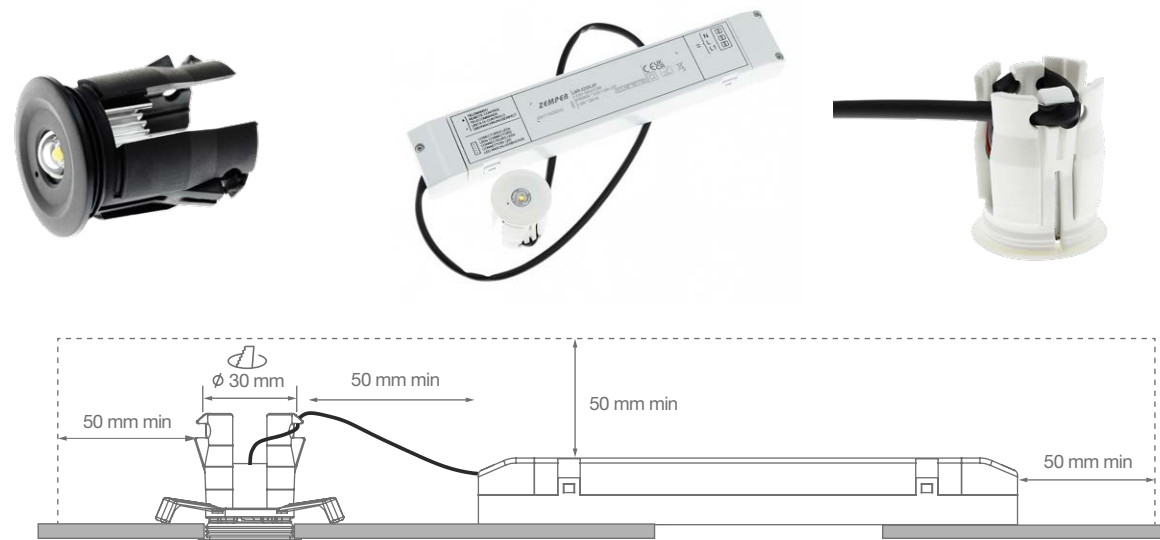


Spacing table calculated with 0.5 lux minimum illuminance

Height (H)	Spacing Data (d)	
	165 lm	280 lm
2.5 m	10.7 m	12.4 m
3 m	11.6 m	13.5 m
4 m	12.9 m	15.3 m
5 m	13.9 m	16.6 m
6 m	14.6 m	17.7 m



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



Polycarbonate body



Escape route lens - D
Anti-panic lens - R



IP42 (IP20 installed in slatted ceilings)



IK04



165 lm - 280 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®



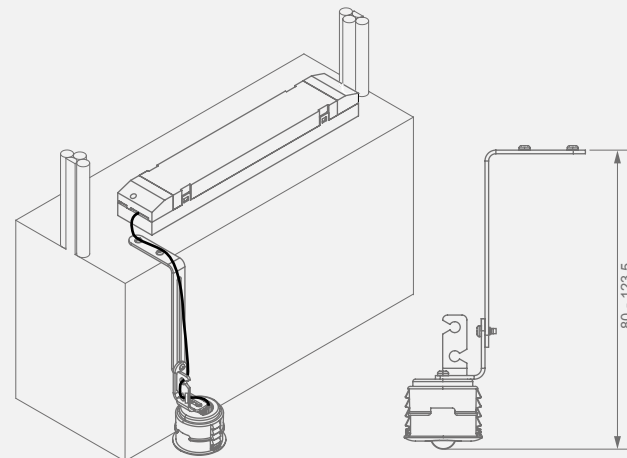
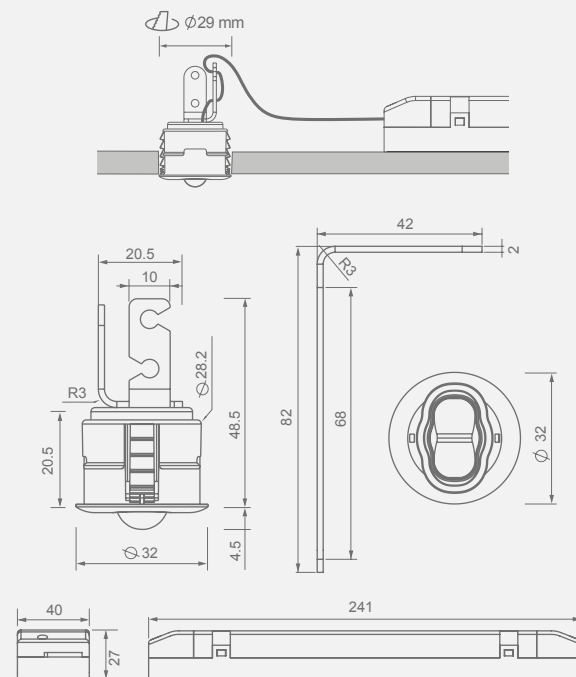
STANDARDS COMPLIANCE

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	280 lm		NM	Area	1 h	3.2V 1.5A/h LiFePO ₄	LML9250LX
	280 lm		NM	Corridor	1 h	3.2V 1.5A/h LiFePO ₄	LML9251LX
	280 lm	150 lm	M/NM	Area	1 h	3.2V 1.5A/h LiFePO ₄	LML9250LAP
	280 lm	150 lm	M/NM	Corridor	1 h	3.2V 1.5A/h LiFePO ₄	LML9251LAP
	165 lm	100 lm	M/NM	Area	3 h	3.2V 1.8A/h LiFePO ₄	LML9170LAP3
	165 lm	100 lm	M/NM	Corridor	3 h	3.2V 1.8A/h LiFePO ₄	LML9171LAP3
Wireless SmartZ®	280 lm	150 lm	M/NM	Area	1 h	3.2V 1.5A/h LiFePO ₄	LML9250LWP
	280 lm	150 lm	M/NM	Corridor	1 h	3.2V 1.5A/h LiFePO ₄	LML9251LWP
	165 lm	100 lm	M/NM	Area	3 h	3.2V 1.8A/h LiFePO ₄	LML9170LWP3
	165 lm	100 lm	M/NM	Corridor	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.

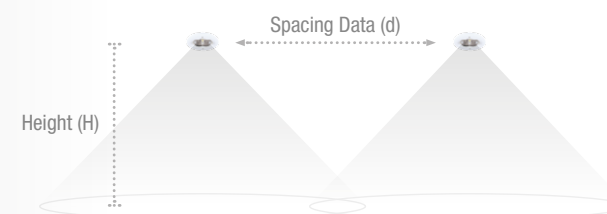
Luminous flux decreases by 10% in black colour version.

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

SPACING TABLE

ESCAPE ROUTE LENS

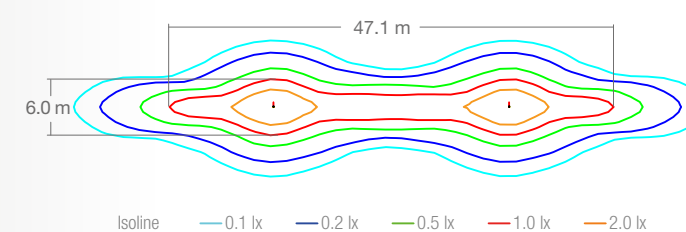
Spacing table calculated with 1 lux minimum illuminance



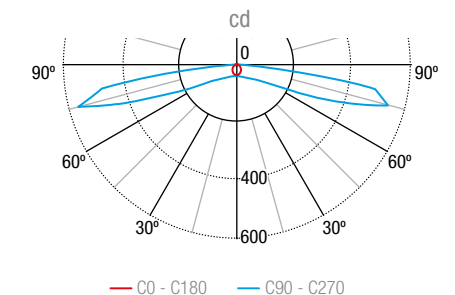
Height (H)	Spacing Data (d)	
	165 lm	280 lm
2.5 m	23.3 m	27.5 m
3 m	25.0 m	29.5 m
4 m	22.7 m	32.8 m
5 m	13.4 m	30.8 m
6 m	9.2 m	22.8 m

ISOLUX CURVE

280 lm luminaire placed at 3 m height



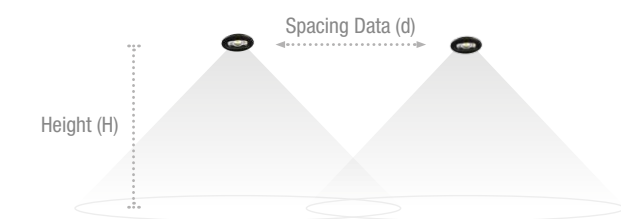
PHOTOMETRIC GUIDE



SPAZIO NANO

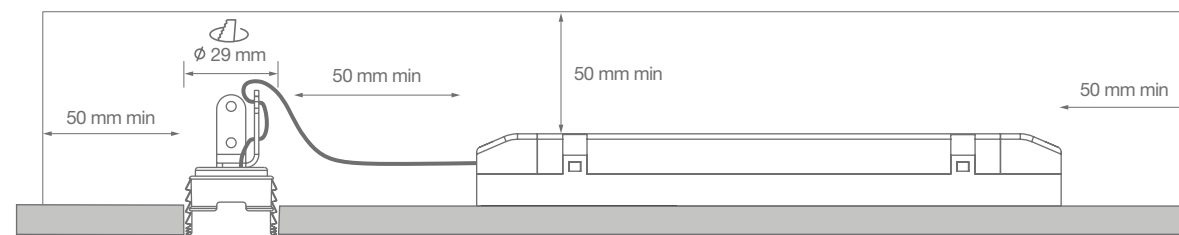
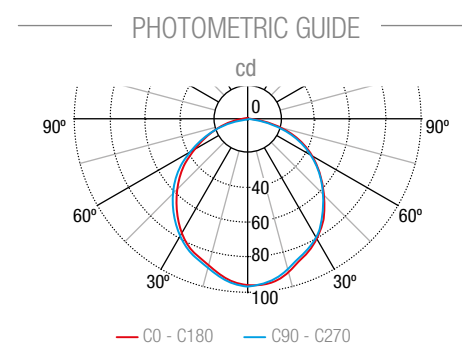
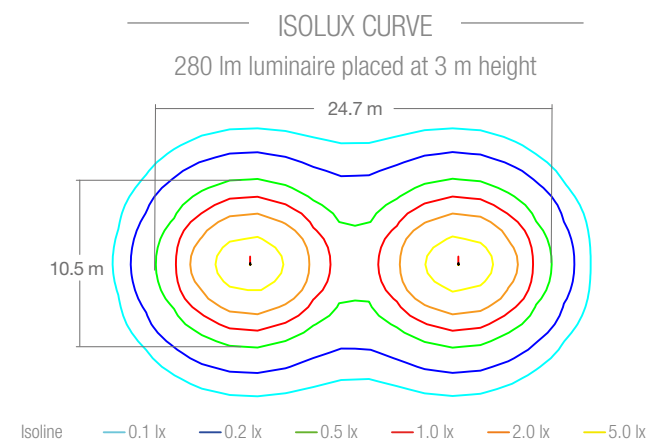
ZEMPER

ANTI-PANIC LENS



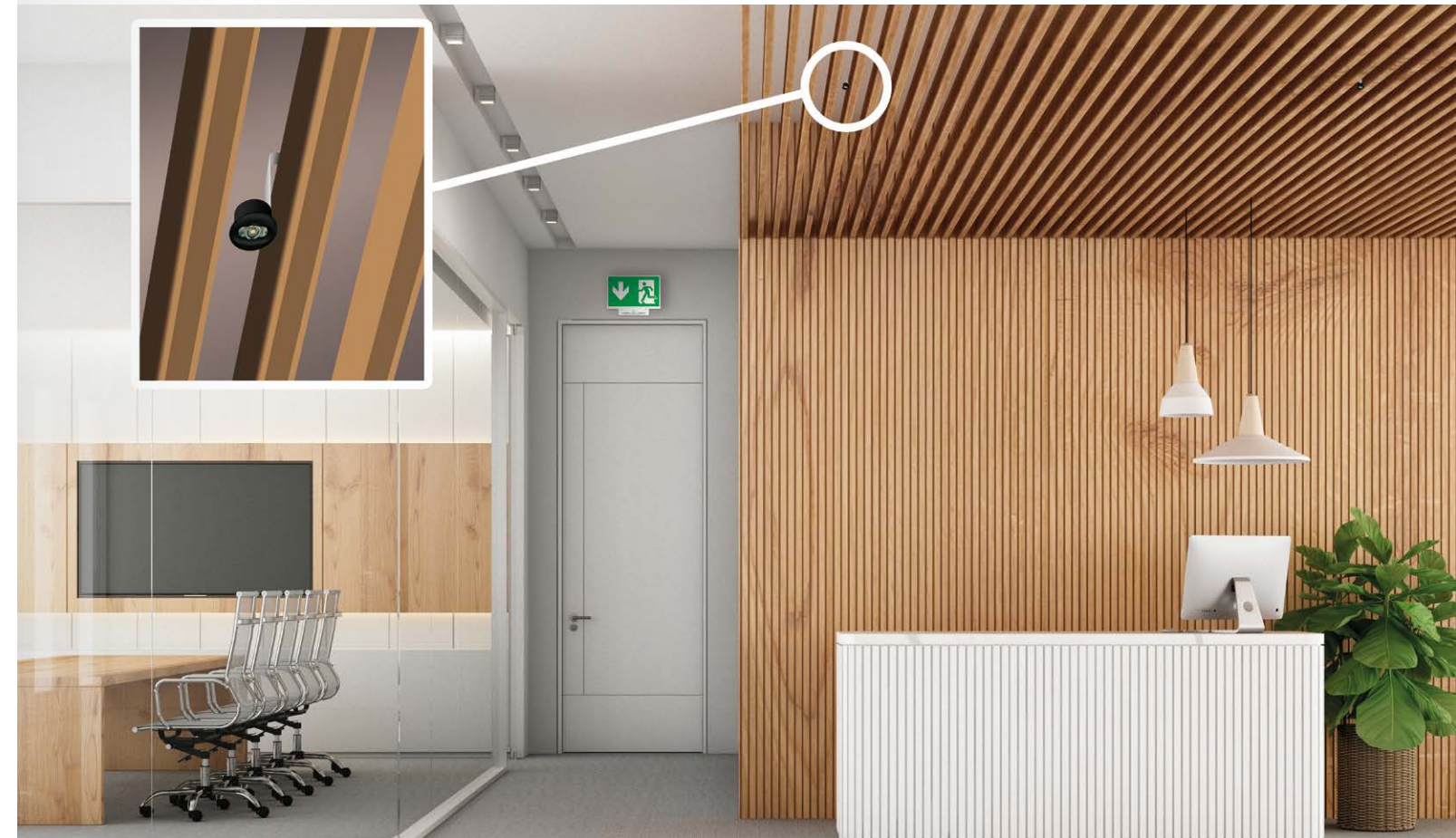
Spacing table calculated with 0.5 lux minimum illuminance

Height (H)	Spacing Data (d)	
	165 lm	280 lm
2.5 m	10.7 m	12.3 m
3 m	11.6 m	13.4 m
4 m	13.0 m	15.2 m
5 m	14.0 m	16.7 m
6 m	14.6 m	17.8 m



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



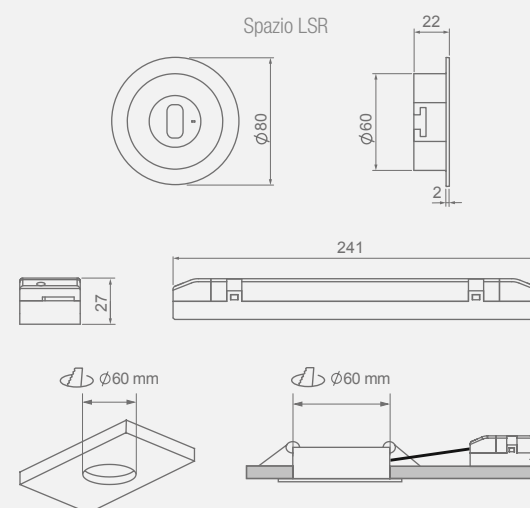
SPAZIO R

SPECIFICATION

- Polycarbonate body
- Escape route lens - D
Anti-panic lens - R
- IP42
- IK04
- 165 lm - 280 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®



DIMENSIONS (mm)



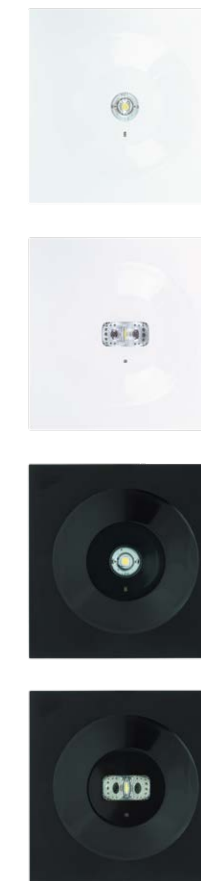
STANDARDS COMPLIANCE

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

CERTIFICATIONS



Real size



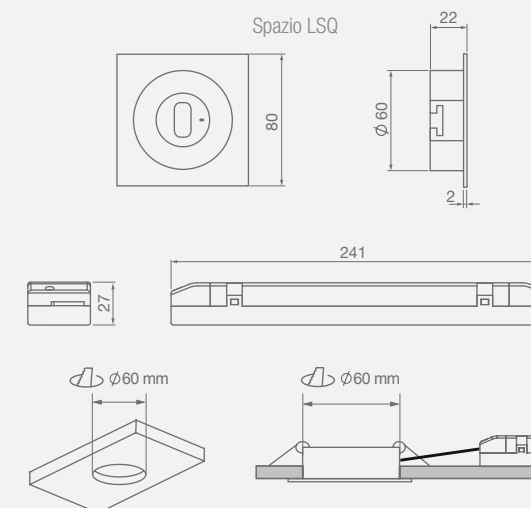
SPAZIO Q

SPECIFICATION

- Polycarbonate body
- Escape route lens - D
Anti-panic lens - R
- IP42
- IK04
- 165 lm - 280 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®



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	280 lm		NM	Area	1 h	3.2V 1.5A/h LiFePO ₄	LSR3250LX
	280 lm		NM	Corridor	1 h	3.2V 1.5A/h LiFePO ₄	LSR3251LX
	165 lm		NM	Area	3 h	3.2V 1.8A/h LiFePO ₄	LSR3170LX3
	165 lm		NM	Corridor	3 h	3.2V 1.8A/h LiFePO ₄	LSR3171LX3
	280 lm	150 lm	M/NM	Area	1 h	3.2V 1.5A/h LiFePO ₄	LSR9250LAP
	280 lm	150 lm	M/NM	Corridor	1 h	3.2V 1.5A/h LiFePO ₄	LSR9251LAP
	165 lm	100 lm	M/NM	Area	3 h	3.2V 1.8A/h LiFePO ₄	LSR9170LAP3
	165 lm	100 lm	M/NM	Corridor	3 h	3.2V 1.8A/h LiFePO ₄	LSR9171LAP3
	165 lm	100 lm	M/NM	Corridor	3 h	3.2V 1.8A/h LiFePO ₄	LSR9171LAP3
Wireless SmartZ®	280 lm	150 lm	M/NM	Area	1 h	3.2V 1.5A/h LiFePO ₄	LSR9250LWP
	280 lm	150 lm	M/NM	Corridor	1 h	3.2V 1.5A/h LiFePO ₄	LSR9251LWP
	165 lm	100 lm	M/NM	Area	3 h	3.2V 1.8A/h LiFePO ₄	LSR9170LWP3
	165 lm	100 lm	M/NM	Corridor	3 h	3.2V 1.8A/h LiFePO ₄	LSR9171LWP3



SPAZIO Q - Square

	Emergency	Mains	Type*	Lens	Dur.	Battery	Part number
AutoTest	280 lm		NM	Area	1 h	3.2V 1.5A/h LiFePO ₄	LSQ3250LX
	280 lm		NM	Corridor	1 h	3.2V 1.5A/h LiFePO ₄	LSQ3251LX
	165 lm		NM	Area	3 h	3.2V 1.8A/h LiFePO ₄	LSQ3170LX3
	165 lm		NM	Corridor	3 h	3.2V 1.8A/h LiFePO ₄	LSQ3171LX3
	280 lm	150 lm	M/NM	Area	1 h	3.2V 1.5A/h LiFePO ₄	LSQ9250LAP
	280 lm	150 lm	M/NM	Corridor	1 h	3.2V 1.5A/h LiFePO ₄	LSQ9251LAP
	165 lm	100 lm	M/NM	Area	3 h	3.2V 1.8A/h LiFePO ₄	LSQ9170LAP3
	165 lm	100 lm	M/NM	Corridor	3 h	3.2V 1.8A/h LiFePO ₄	LSQ9171LAP3
	165 lm	100 lm	M/NM	Corridor	3 h	3.2V 1.8A/h LiFePO ₄	LSQ9171LAP3
Wireless SmartZ®	280 lm	150 lm	M/NM	Area	1 h	3.2V 1.5A/h LiFePO ₄	LSQ9250LWP
	280 lm	150 lm	M/NM	Corridor	1 h	3.2V 1.5A/h LiFePO ₄	LSQ9251LWP
	165 lm	100 lm	M/NM	Area	3 h	3.2V 1.8A/h LiFePO ₄	LSQ9170LWP3
	165 lm	100 lm	M/NM	Corridor	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.

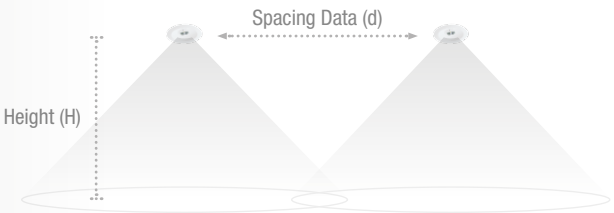
*M/NM: Maintained/Non Maintained. With a third terminal which allows to switch off/on the Maintained mode when connected to mains supply.

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

SPACING TABLE

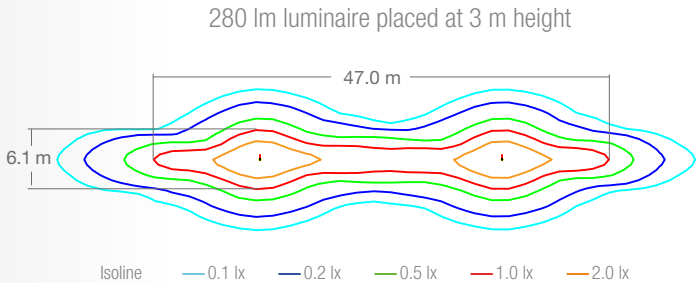
ESCAPE ROUTE LENS

Spacing table calculated with 1 lux minimum illuminance

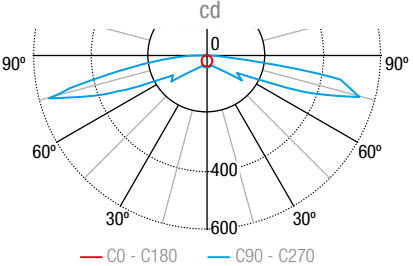


Height (H)	Spacing Data (d)	
	165 lm	280 lm
2.5 m	20.2 m	26.1 m
3 m	22.6 m	28.4 m
4 m	25.0 m	32.5 m
5 m	25.3 m	29.3 m
6 m	22.8 m	23.8 m

ISOLUX CURVE

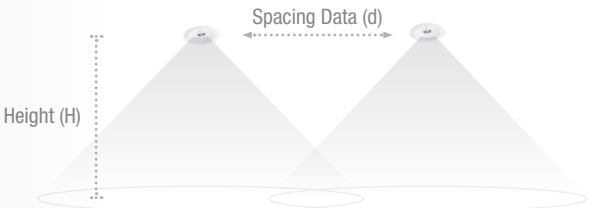


PHOTOMETRIC GUIDE

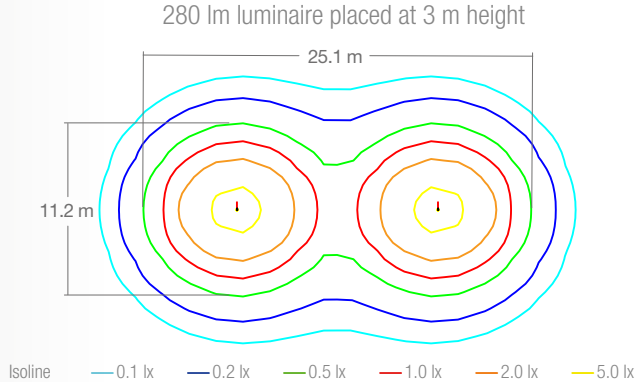


ANTI-PANIC LENS

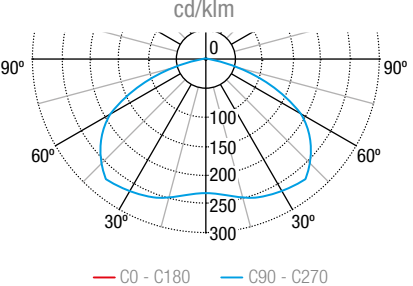
Spacing table calculated with 0.5 lux minimum illuminance



ISOLUX CURVE



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)



SPAZIO ON

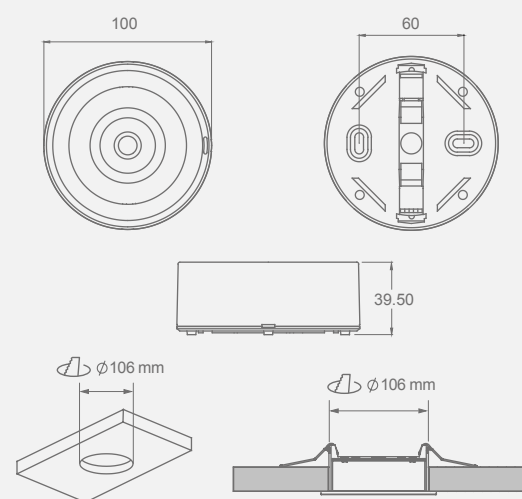
SPECIFICATION

- Polycarbonate body
- Escape route lens
Anti-panic lens
Asymmetrical wall lens
- IP42
- 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®

VIEW EVO10 RANGE



DIMENSIONS (mm)



STANDARDS COMPLIANCE

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

CERTIFICATIONS



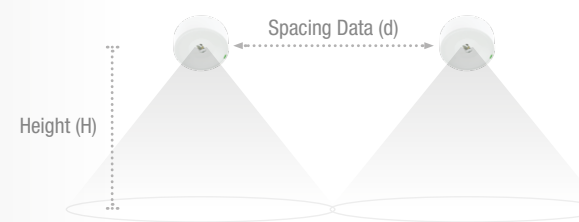
RANGE

	Emergency	Mains	Type*	Lens	Dur.	Battery	Part number
AutoTest	250 lm	150 lm	M/NM	Area	1 h	3.2V 1.5A/h LiFePO ₄	LSM3250LXP
	250 lm	150 lm	M/NM	Corridor	1 h	3.2V 1.5A/h LiFePO ₄	LSM3251LXP
	250 lm	150 lm	M/NM	Asym.	1 h	3.2V 1.5A/h LiFePO ₄	LSM3252LXP
	165 lm	100 lm	M/NM	Area	3 h	3.2V 1.8A/h LiFePO ₄	LSM3170LXP3
	165 lm	100 lm	M/NM	Corridor	3 h	3.2V 1.8A/h LiFePO ₄	LSM3171LXP3
	165 lm	100 lm	M/NM	Asym.	3 h	3.2V 1.8A/h LiFePO ₄	LSM3172LXP3
DALI	250 lm	150 lm	M/NM	Area	1 h	3.2V 1.5A/h LiFePO ₄	LSM3250LAP
	250 lm	150 lm	M/NM	Corridor	1 h	3.2V 1.5A/h LiFePO ₄	LSM3251LAP
	250 lm	150 lm	M/NM	Asym.	1 h	3.2V 1.5A/h LiFePO ₄	LSM3252LAP
	165 lm	100 lm	M/NM	Area	3 h	3.2V 1.8A/h LiFePO ₄	LSM3170LAP3
	165 lm	100 lm	M/NM	Corridor	3 h	3.2V 1.8A/h LiFePO ₄	LSM3171LAP3
	165 lm	100 lm	M/NM	Asym.	3 h	3.2V 1.8A/h LiFePO ₄	LSM3172LAP3
Wireless SmartZ®	250 lm	150 lm	M/NM	Area	1 h	3.2V 1.5A/h LiFePO ₄	LSM3250LWP
	250 lm	150 lm	M/NM	Corridor	1 h	3.2V 1.5A/h LiFePO ₄	LSM3251LWP
	250 lm	150 lm	M/NM	Asym.	1 h	3.2V 1.5A/h LiFePO ₄	LSM3252LWP
	165 lm	100 lm	M/NM	Area	3 h	3.2V 1.8A/h LiFePO ₄	LSM3170LWP3
	165 lm	100 lm	M/NM	Corridor	3 h	3.2V 1.8A/h LiFePO ₄	LSM3171LWP3
	165 lm	100 lm	M/NM	Asym.	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.
For version in black colour, add an 'N' at the end of the part number.

SPACING TABLE

ESCAPE ROUTE LENS

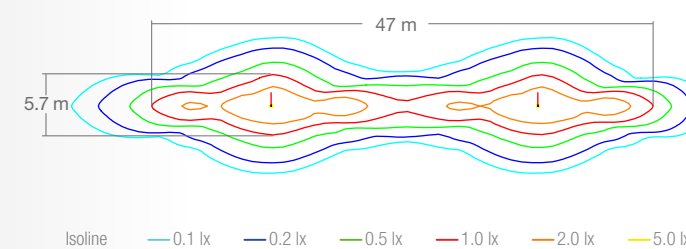


Spacing table calculated with 1 lux minimum illuminance

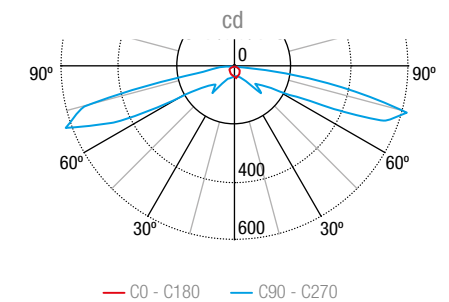
Height (H)	Spacing Data (d)	
	165 lm	250 lm
2.5 m	21.4 m	22.2 m
3 m	23.8 m	25.9 m
4 m	22.3 m	30.7 m
5 m	18.9 m	27.5 m
6 m	7.5 m	24.0 m

ISOLUX CURVE

250 lm luminaire placed at 3 m height



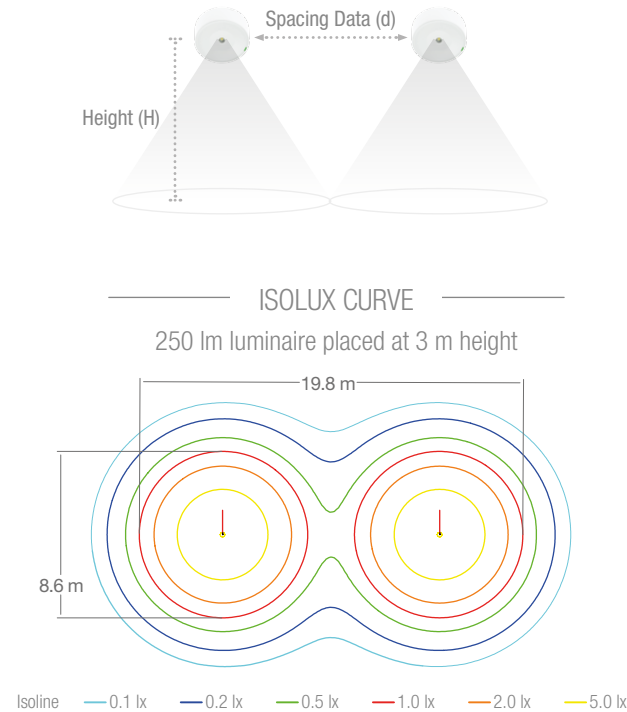
PHOTOMETRIC GUIDE



SPACING TABLE

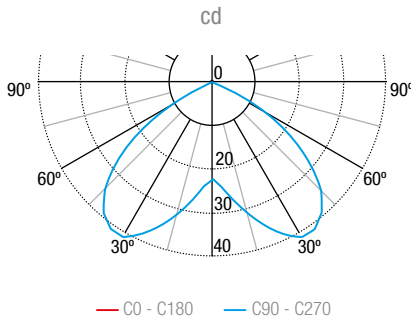
ANTI-PANIC LENS

Spacing table calculated with 0.5 lux minimum illuminance



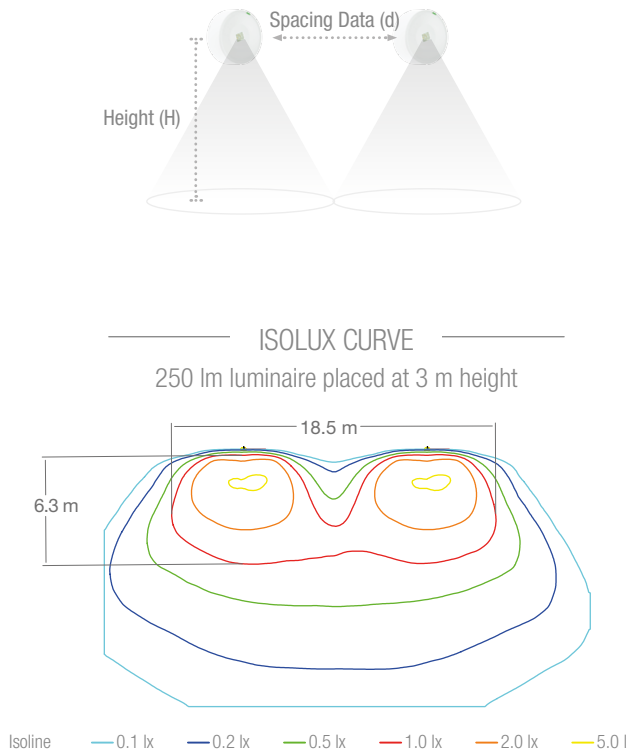
Height (H)	Spacing Data (d)	
	165 lm	250 lm
2.5 m	9.7 m	10.4 m
3 m	10.8 m	11.7 m
4 m	12.9 m	14.0 m
5 m	14.6 m	16.0 m
6 m	15.9 m	17.7 m

PHOTOMETRIC GUIDE



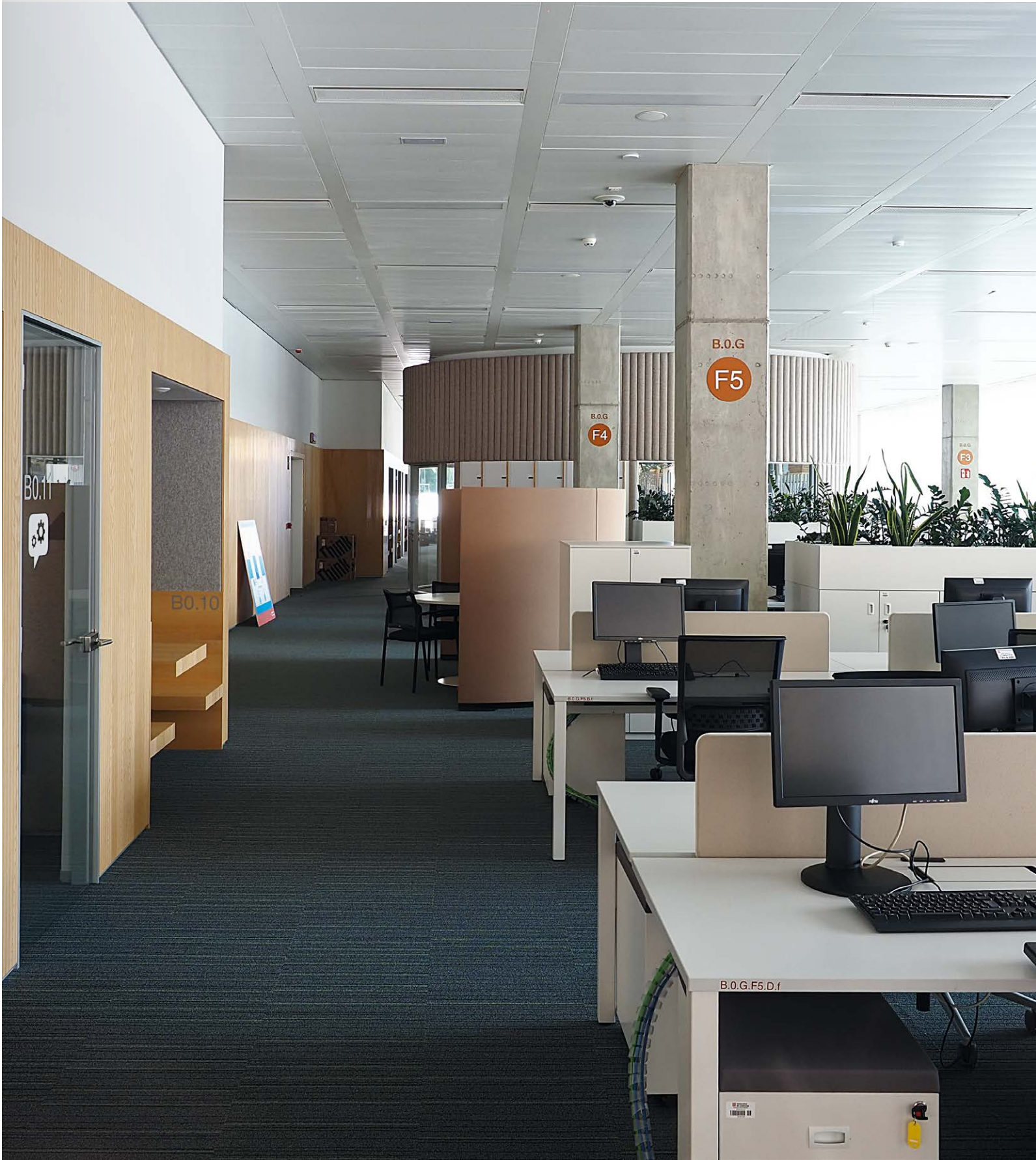
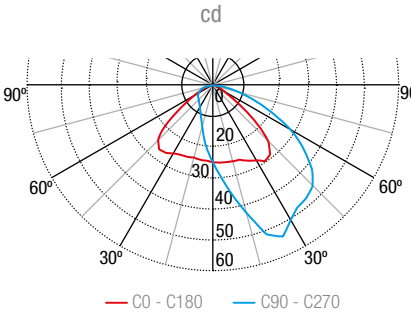
ASYMMETRICAL WALL LENS

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

PHOTOMETRIC GUIDE





Real size



SPAZIO PLUS

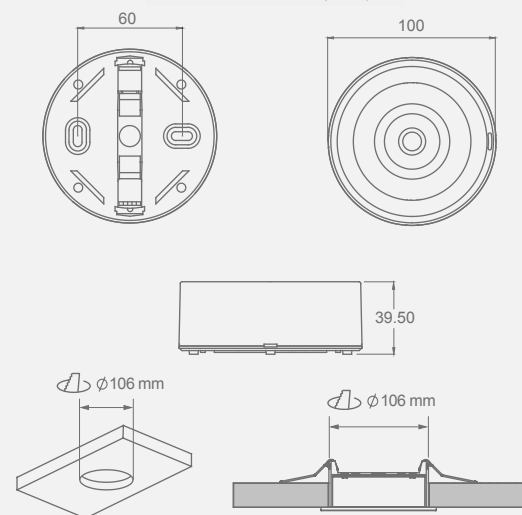


SPECIFICATION

- 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®



DIMENSIONS (mm)



STANDARDS COMPLIANCE

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

CERTIFICATIONS



RANGE

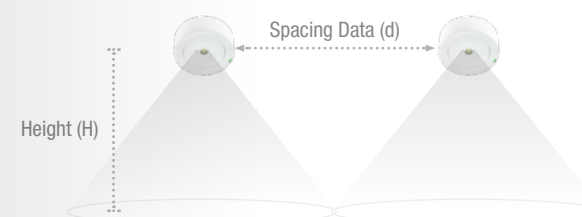
	Emergency	Mains	Type*	Dur.	Battery	Part number
AutoTest	250 lm	150 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LSP3255LXP
	165 lm	100 lm	M/NM	3 h	3.2V 1.8A/h LiFePO ₄	LSP3175LXP3
DALI-2	250 lm	150 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LSP3255LAP
	165 lm	100 lm	M/NM	3 h	3.2V 1.8A/h LiFePO ₄	LSP3175LAP3
Wireless SmartZ®	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

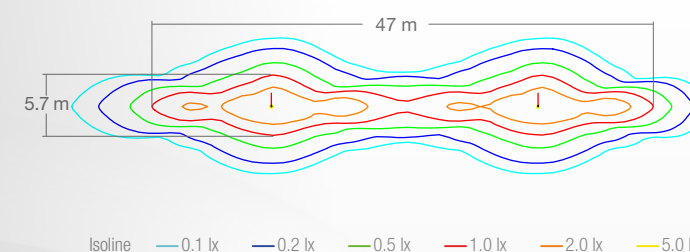


Spacing table calculated with 1 lux minimum illuminance

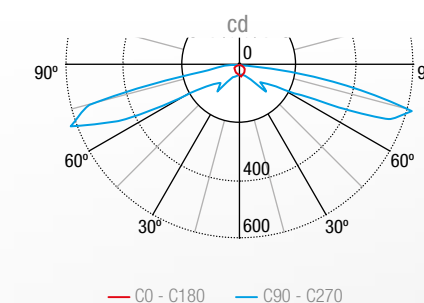
Height (H)	Spacing Data (d)	
	165 lm	250 lm
2.5 m	21.4 m	22.2 m
3 m	23.8 m	25.9 m
4 m	22.3 m	30.7 m
5 m	18.9 m	27.5 m
6 m	7.5 m	24.0 m

ISOLUX CURVE

250 lm luminaire placed at 3 m height



PHOTOMETRIC GUIDE

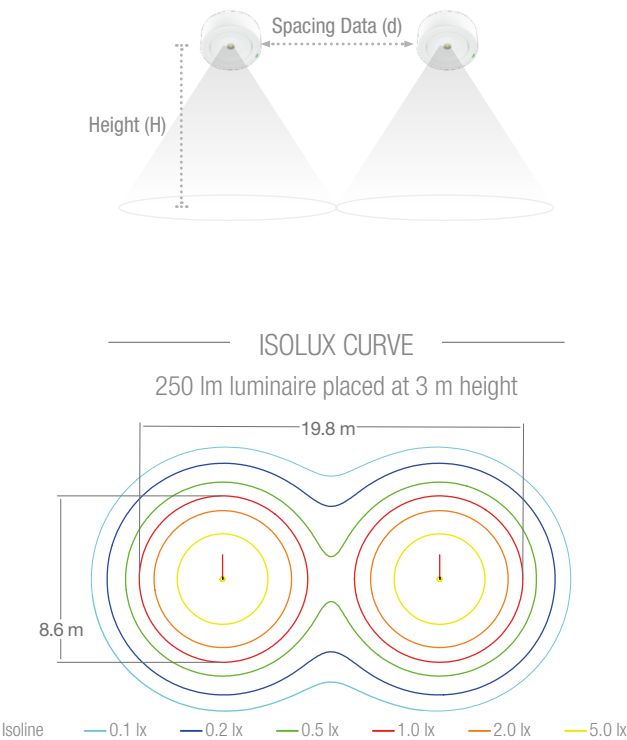


SPAZIO PLUS

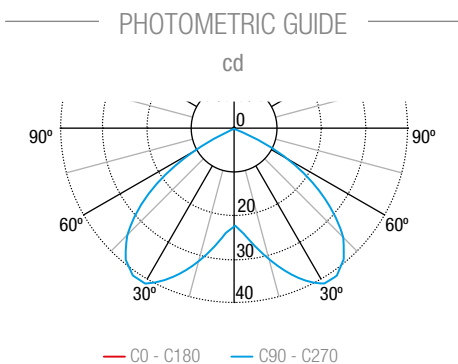
ZEMPER

ANTI-PANIC LENS

Spacing table calculated with 0.5 lux minimum illuminance

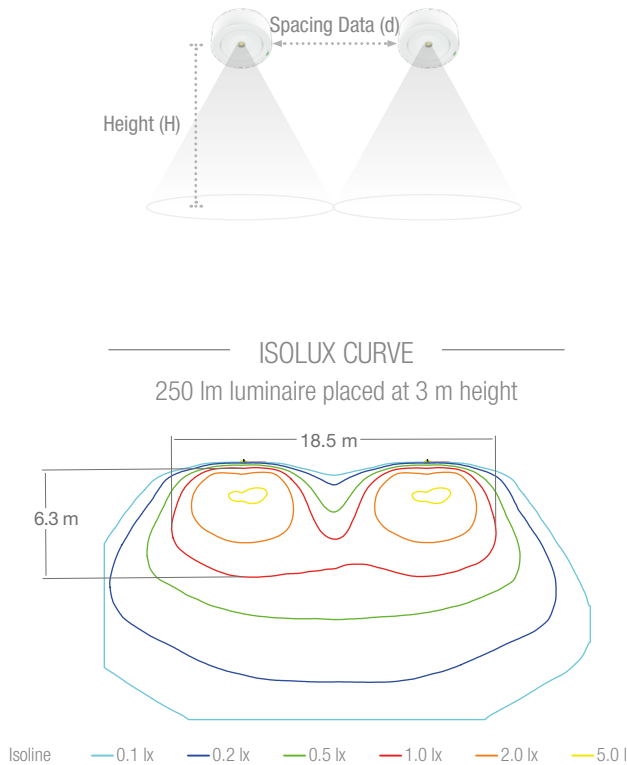


Height (H)	Spacing Data (d)	
	165 lm	250 lm
2.5 m	9.7 m	10.4 m
3 m	10.8 m	11.7 m
4 m	12.9 m	14.0 m
5 m	14.6 m	16.0 m
6 m	15.9 m	17.7 m

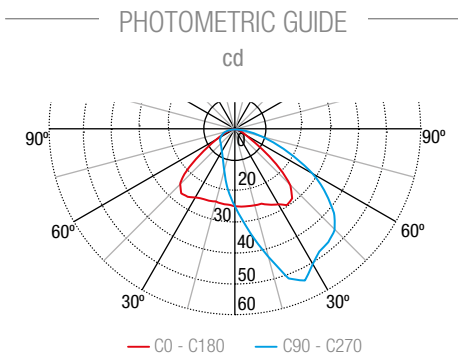


ASYMMETRICAL WALL LENS

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



ACCESSORIES

INTERCHANGEABLE LENS





Real size

SPAZIO LUZ

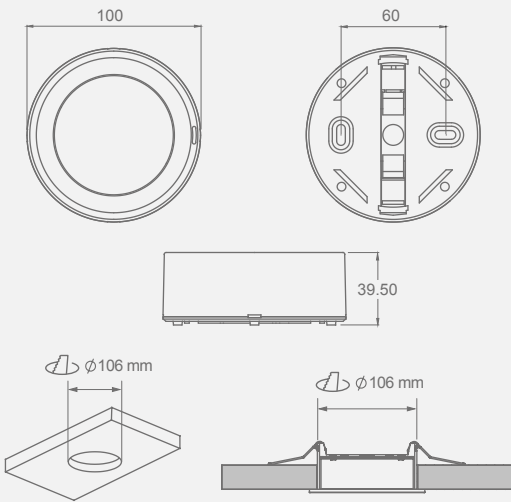
SPECIFICATION

- 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®

VIEW EVO10 RANGE



DIMENSIONS (mm)



STANDARDS COMPLIANCE

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

CERTIFICATIONS



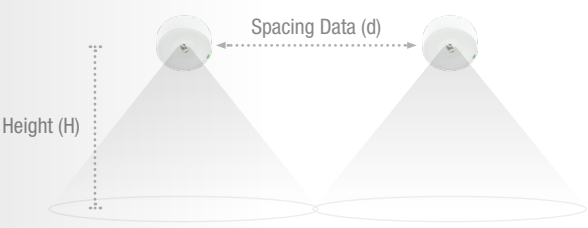
RANGE

	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

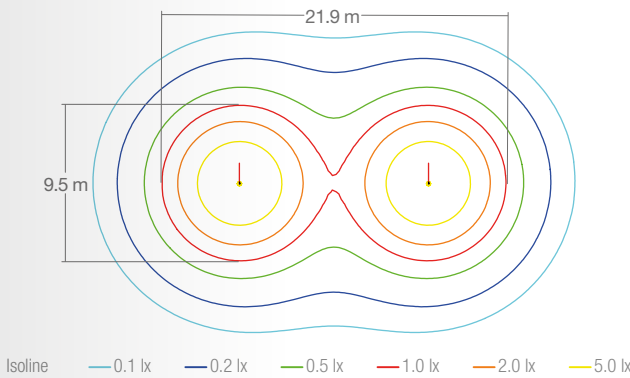


Spacing table calculated with 1 lux minimum illuminance

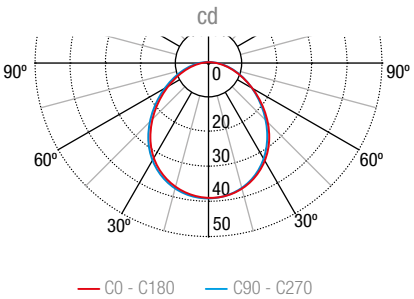
Height (H)	Spacing Data (d)			
	90 lm	230 lm	300 lm	425 lm
2.5 m	6.9 m	9.3 m	10.0 m	11.0 m
3 m	7.3 m	10.0 m	10.8 m	11.9 m
4 m	7.8 m	11.1 m	12.1 m	13.4 m
5 m	7.7 m	11.8 m	13.0 m	14.6 m
6 m	7.2 m	12.3 m	13.7 m	15.5 m

ISOLUX CURVE

425 lm luminaire placed at 3 m height



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
Ø 20 mm Conduit Kit



ALS0011*
Signalling surface ceiling



ALP0011*
Signalling surface wall

* Set of pictographs included



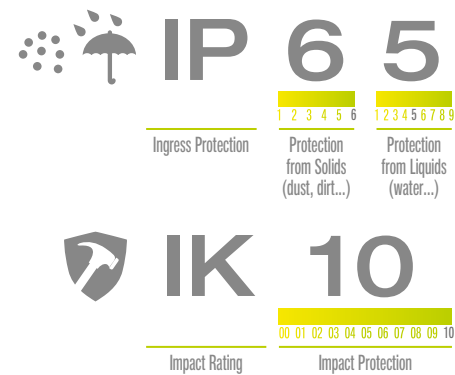
2 units



2 units



1 unit



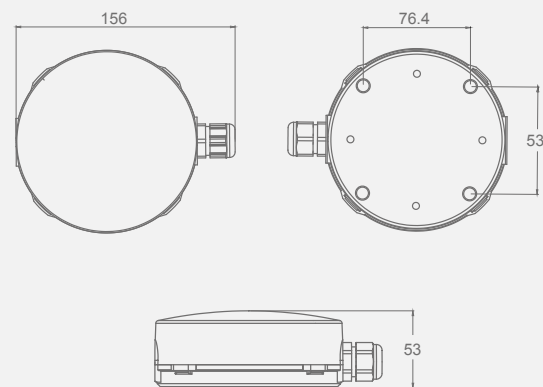
SPAZIO HIGH BAY

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



DIMENSIONS (mm)



STANDARDS COMPLIANCE

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

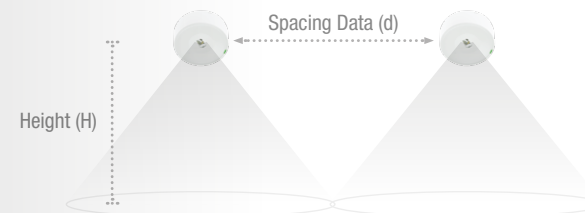
CERTIFICATIONS



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.

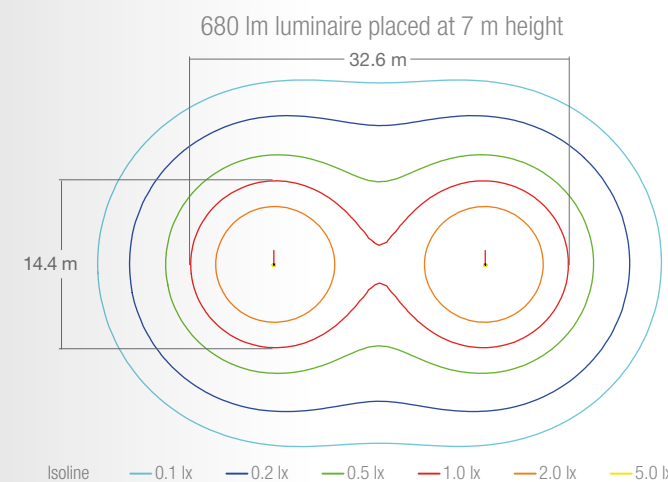
SPACING TABLE



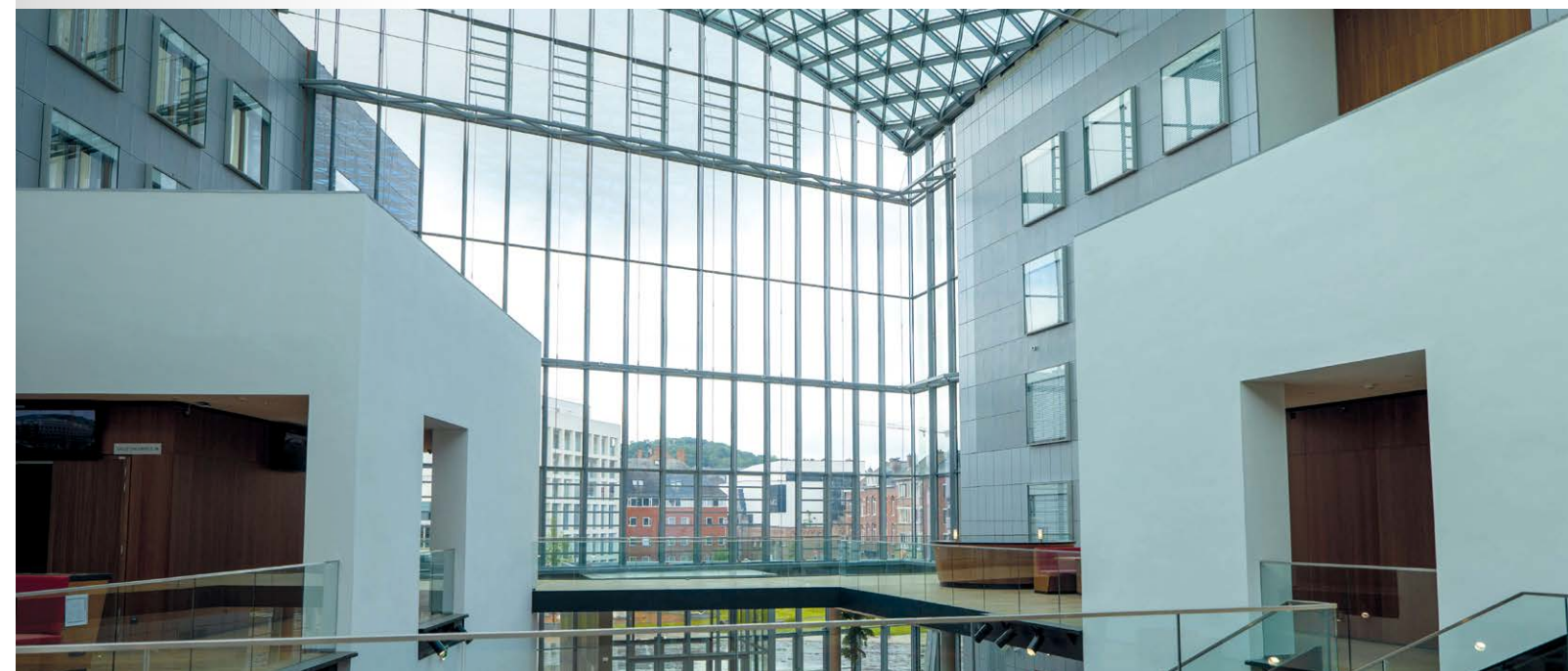
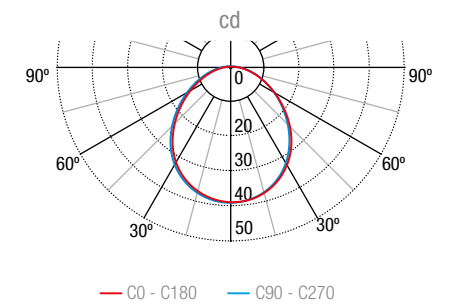
Spacing table calculated with 1 lux minimum illuminance

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
Ingress Protection
Protection from Solids (dust, dirt...)
Protection from Liquids (water...)

IK 10
Impact Rating
Impact Protection

+40°C
-10°C

SPAZIO OUTDOOR

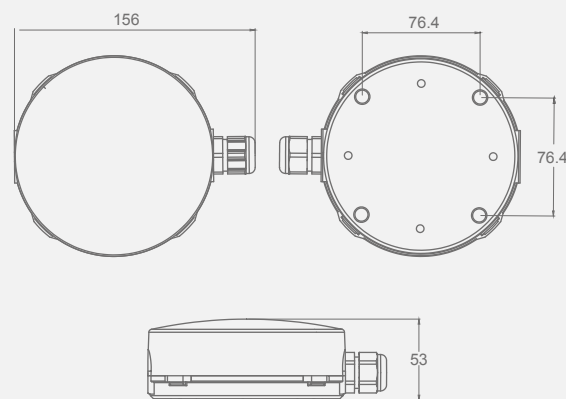
SPECIFICATION

- Polycarbonate body
- Diffuser: Transparent Polycarbonate
- IP65
- IK10
- 170 lm - 425 lm
- Duration: 1 - 3 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®



WARRANTY
5 YEAR

DIMENSIONS (mm)



STANDARDS COMPLIANCE

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

CERTIFICATIONS



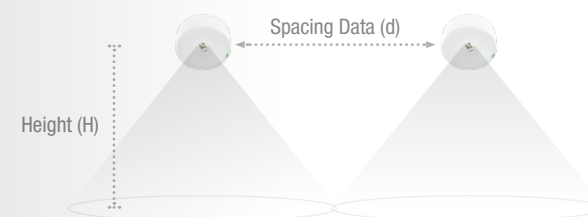
RANGE



	Emergency	Mains	Type*	Dur.	Battery	Part number
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	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

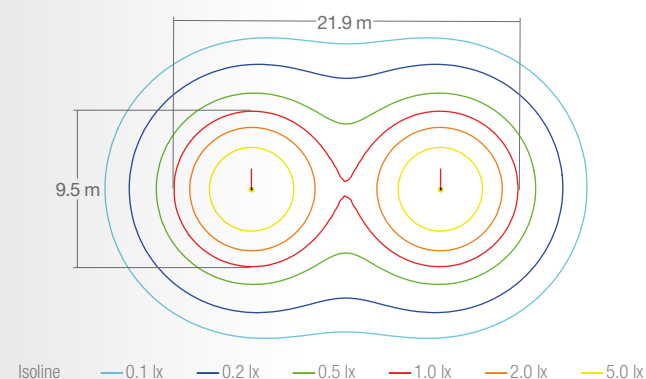


Spacing table calculated with 1 lux minimum illuminance

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

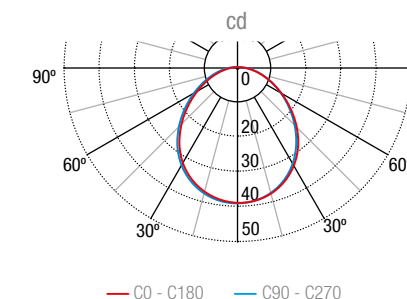
ISOLUX CURVE

425 lm luminaire placed at 3 m height



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

PHOTOMETRIC GUIDE





Escape route lens



Anti-panic lens



Asymmetrical wall lens

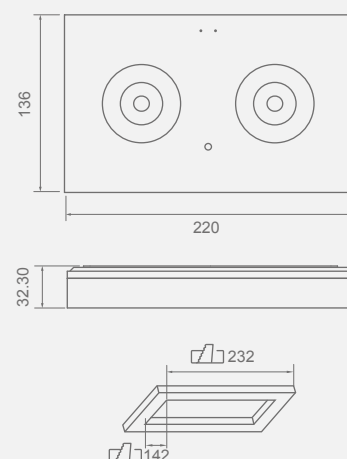
SPAZIO T·LED.

SPECIFICATION

- Polycarbonate body
- Escape route lens
- Anti-panic lens
- Asymmetrical wall lens
- IP42 (ceiling mounting)
- IP40 (wall mounting)
- IK04
- 280 lm - 500 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®



DIMENSIONS (mm)



STANDARDS COMPLIANCE

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

CERTIFICATIONS



RANGE

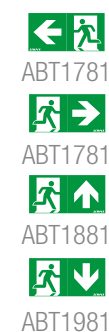
	Emergency	Mains	Type*	Lens	Dur.	Battery	Part number
AutoTest	500 lm	300 lm	M/NM	Area	1 h	3.2V 3.0A/h LiFePO ₄	LST3500LXP
	500 lm	300 lm	M/NM	Corridor	1 h	3.2V 3.0A/h LiFePO ₄	LST3501LXP
	500 lm	300 lm	M/NM	Asym.	1 h	3.2V 3.0A/h LiFePO ₄	LST3502LXP
	280 lm	170 lm	M/NM	Area	3 h	3.2V 3.0A/h LiFePO ₄	LST3300LXP3
	280 lm	170 lm	M/NM	Corridor	3 h	3.2V 3.0A/h LiFePO ₄	LST3301LXP3
	280 lm	170 lm	M/NM	Asym.	3 h	3.2V 3.0A/h LiFePO ₄	LST3302LXP3
Wireless SmartZ®	500 lm	300 lm	NM	Area	1 h	3.2V 3.0A/h LiFePO ₄	LST3500LW
	500 lm	300 lm	NM	Corridor	1 h	3.2V 3.0A/h LiFePO ₄	LST3501LW
	500 lm	300 lm	NM	Asym.	1 h	3.2V 3.0A/h LiFePO ₄	LST3502LW
	280 lm	170 lm	NM	Area	3 h	3.2V 3.0A/h LiFePO ₄	LST3300LW3
	280 lm	170 lm	NM	Corridor	3 h	3.2V 3.0A/h LiFePO ₄	LST3301LW3
	280 lm	170 lm	NM	Asym.	3 h	3.2V 3.0A/h LiFePO ₄	LST3302LW3

*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.

ACCESSORIES



Surface support with screen-printed plate



White recessed ceiling accessory and screen-printed plate



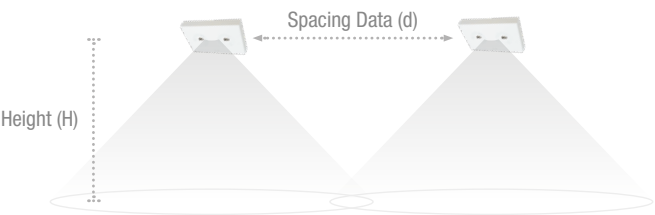
AMT0061 White ceiling recessed accessory



SPACING TABLE

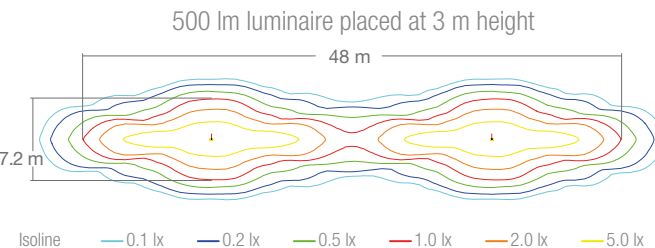
ESCAPE ROUTE LENS

Spacing table calculated with 1 lux minimum illuminance

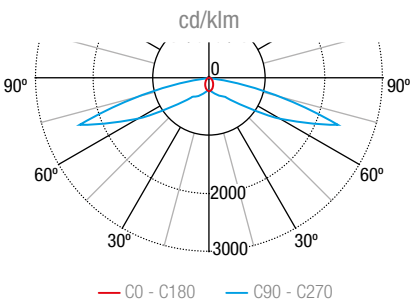


Height (H)	Spacing Data (d)	
	280 lm	500 lm
2.5 m	21.2 m	23.0 m
3 m	24.0 m	26.2 m
4 m	28.8 m	32.0 m
5 m	32.8 m	37.0 m
6 m	36.2 m	41.2 m

ISOLUX CURVE

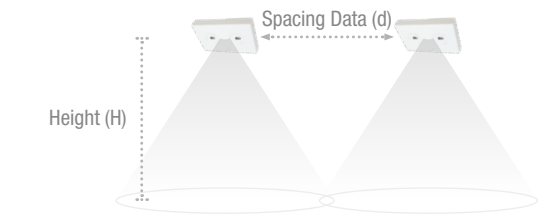


PHOTOMETRIC GUIDE



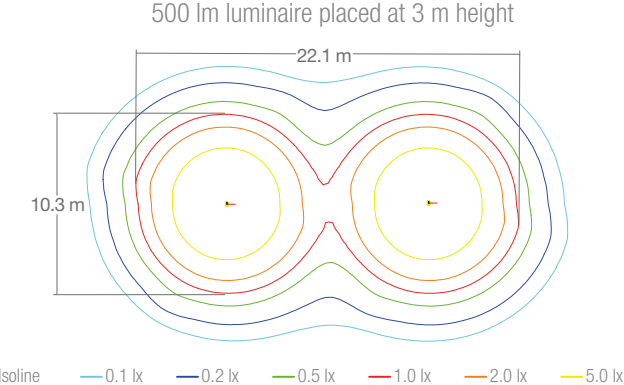
ANTI-PANIC LENS

Spacing table calculated with 0.5 lux minimum illuminance

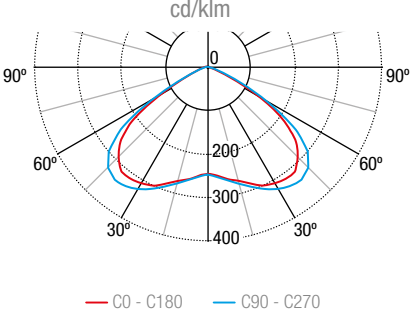


Height (H)	Spacing Data (d)	
	280 lm	500 lm
2.5 m	10.9 m	12.2 m
3 m	12.3 m	13.6 m
4 m	14.8 m	16.4 m
5 m	16.9 m	19.0 m
6 m	18.8 m	21.3 m

ISOLUX CURVE

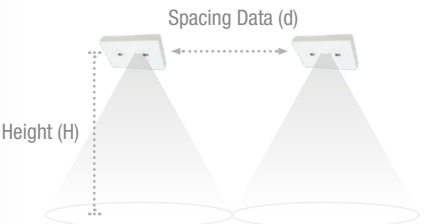


PHOTOMETRIC GUIDE



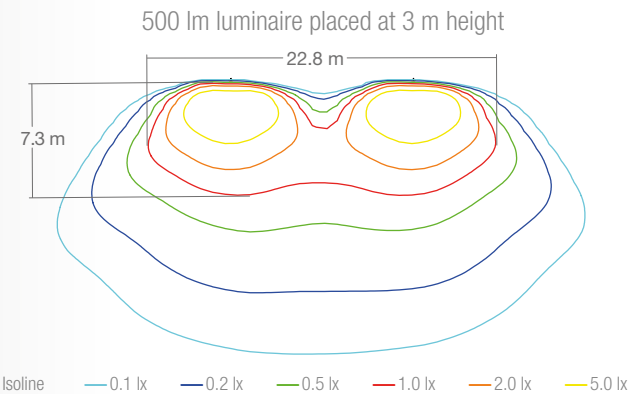
ASYMMETRICAL WALL LENS

Spacing table calculated with 1 lux minimum illuminance

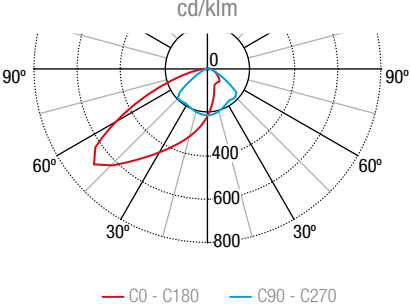


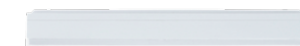
Height (H)	Spacing Data (d)	
	280 lm	500 lm
2.5 m	9.9 m	11.5 m
3 m	10.8 m	12.6 m
3.5 m	11.6 m	13.5 m
4 m	12.2 m	14.4 m
4.5 m	12.4 m	15.2 m

ISOLUX CURVE



PHOTOMETRIC GUIDE





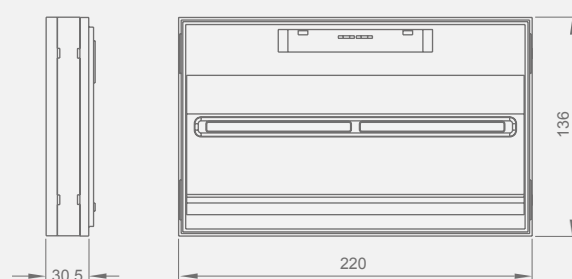
T•LED.

SPECIFICATION

- Polycarbonate body
- Diffuser: Transparent Polycarbonate
- IP42
- IK04
- 100 lm - 800 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®



DIMENSIONS (mm)



STANDARDS COMPLIANCE

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

CERTIFICATIONS

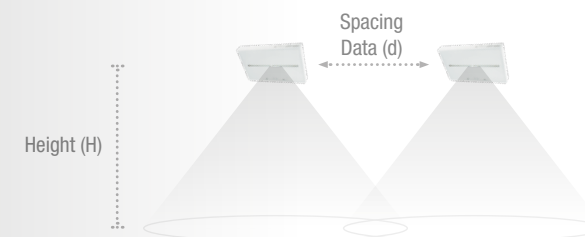


RANGE						
	Emergency	Mains	Type*	Dur.	Battery	Part number
AutoTest	100 lm	60 lm	M/NM	1 h	3.2V 0.5A/h LiFePO ₄	LTS4100LXP
	440 lm	260 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LTS4400LXP
	800 lm	400 lm	M/NM	1 h	6.4V 1.5A/h LiFePO ₄	LTS4800LXP
	250 lm	150 lm	M/NM	3 h	3.2V 3.0A/h LiFePO ₄	LTS4300LXP3
Wireless SmartZ®	100 lm	60 lm	M/NM	1 h	3.2V 0.5A/h LiFePO ₄	LTS4100LW
	440 lm	260 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LTS4400LW
	800 lm	400 lm	M/NM	1 h	6.4V 1.5A/h LiFePO ₄	LTS4800LW
	250 lm	150 lm	M/NM	3 h	3.2V 3.0A/h LiFePO ₄	LTS4300LW3

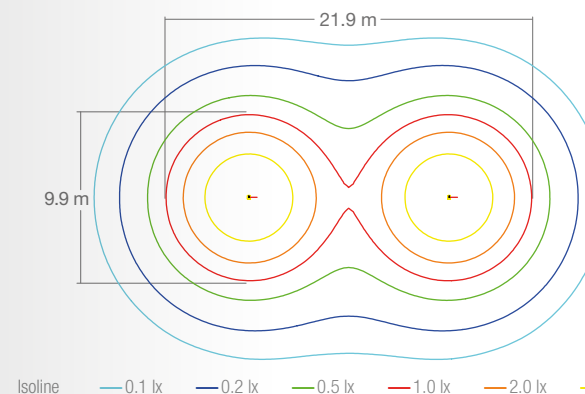
*M/NM: Maintained/Non Maintained. Same working as Maintained luminaire, with a third terminal which allows to switch off/on the Maintained mode when connected to mains supply.
For version in black colour, add an 'N' at the end of the part number.

SPACING TABLE

Spacing table calculated with 1 lux minimum illuminance

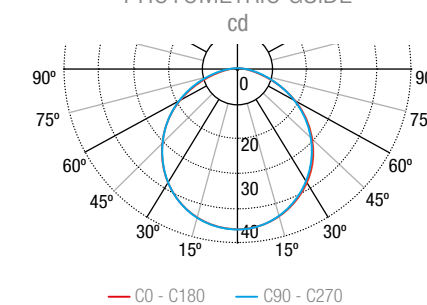


ISOLUX CURVE
440 lm luminaire placed at 3 m height



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	
8 m			19.9 m
10 m			21.9 m
12 m			23.1 m
14 m			23.5 m

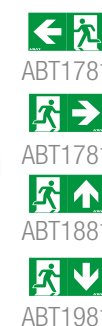
PHOTOMETRIC GUIDE



ACCESSORIES



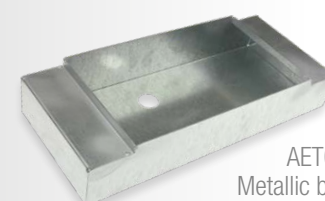
Surface support with screen-printed plate



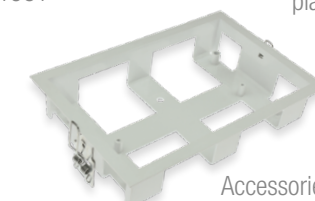
White recessed ceiling accessory and screen-printed plate



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

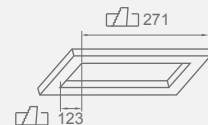
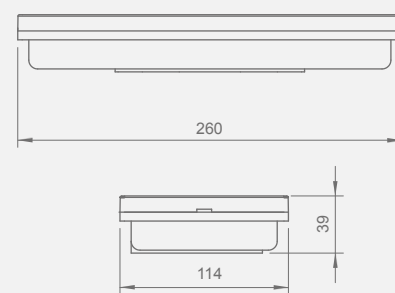
XENA FLAT

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®

WARRANTY
5 YEAR

DIMENSIONS (mm)



STANDARDS COMPLIANCE

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

CERTIFICATIONS



XENA FLAT

ZEMPER

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
DALI	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		NM	1 h	3.2V 1.5A/h LiFePO ₄	LXF9400LWT
	800 lm		NM	1 h	6.4V 1.5A/h LiFePO ₄	LXF9800LWT
	800 lm	400 lm	M/NM	1 h	6.4V 1.5A/h LiFePO ₄	LXF9800LWPT
	150 lm		NM	3 h	3.2V 1.5A/h LiFePO ₄	LXF9150LW3T
	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.

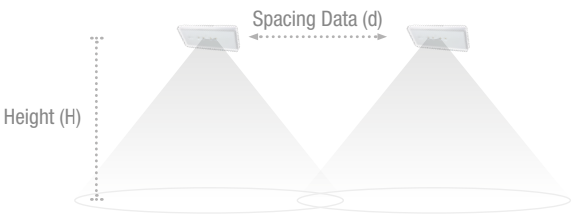
*M/NM: Maintained/Non Maintained. With a switch which allows to select Maintained or Non Maintained mode funtion.

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

SPACING TABLE

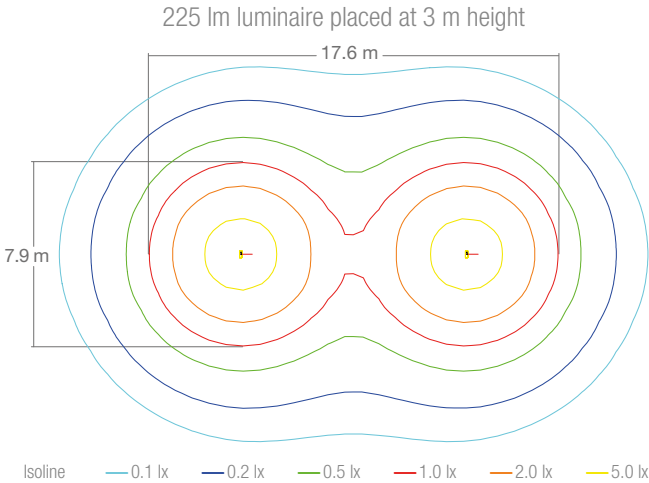
Spacing table calculated with 1 lux minimum illuminance

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

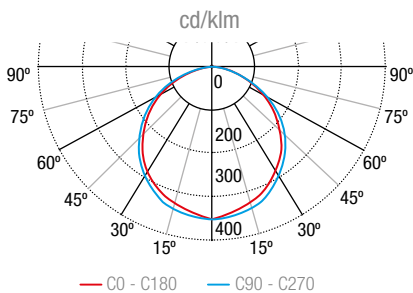


Height (H)	Spacing Data (d)	
	600 lm	850 lm
6 m	18.2 m	20.4 m
8 m	19.6 m	22.4 m
10 m	20.2 m	23.6 m
12 m	20.0 m	24.0 m
14 m	18.9 m	23.9 m

ISOLUX CURVE



PHOTOMETRIC GUIDE



ACCESSORIES



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



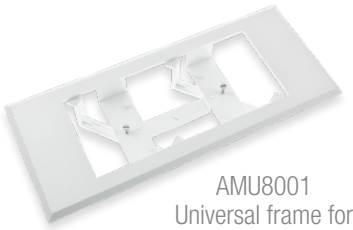
AED0071
Accessories for wall semi-recessed mounted (white colour)



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





95 - 100 lm Emergency



150 - 225 lm Emergency



250 - 850 lm Emergency

DIANA FLAT

SPECIFICATION

-  Polycarbonate body
-  Diffuser: Transparent Polycarbonate
-  IP44
-  IK07
-  95 lm - 850 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®

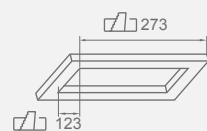
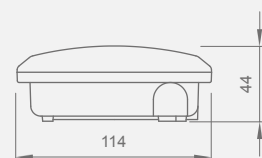
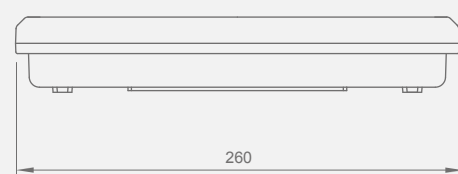
VIEW EVO10 RANGE

WARRANTY
5 YEAR

EV10 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



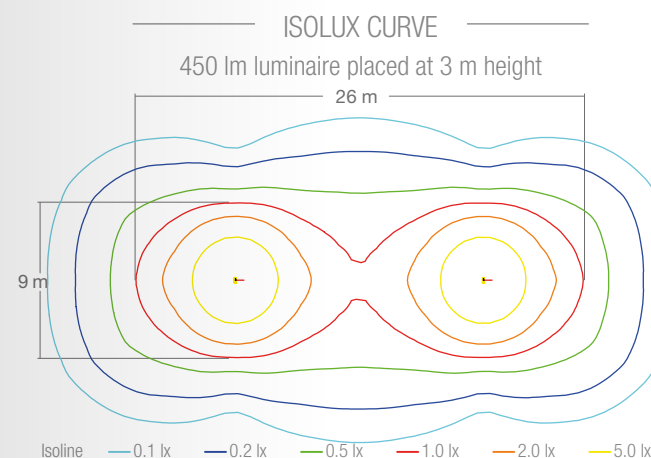
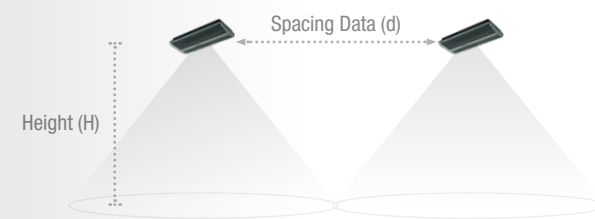
		RANGE				
Emergency	Mains	Type*	Dur.	Battery	Part number	
Standard	95 lm	NM	1 h	3.6V 0.3 NiCd	LDF3100C	
	225 lm	NM	1 h	3.6V 0.8 NiCd	LDF3200C	
	450 lm	NM	1 h	3.6V 1.6 NiCd	LDF3500C	
	600 lm	NM	1 h	6.0V 1.6 NiCd	LDF3600C	
	850 lm	NM	1 h	6.0V 1.6 NiCd	LDF3800C	
	150 lm	NM	3 h	3.6V 2.0 NiCd	LDF9150C3	
AutoTest	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	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	
	795 lm	NM	1 h	6.4V 1.5A/h LiFePO ₄	LDF9800LX	
	795 lm	M/NM	1 h	6.4V 1.5A/h LiFePO ₄	LDF9800LXP	
	850 lm	NM	1 h	6.0V 1.6 NiCd	LDF9800X	
	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	M/NM	3 h	3.2V 1.5A/h LiFePO ₄	LDF9150LXP3	
	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.

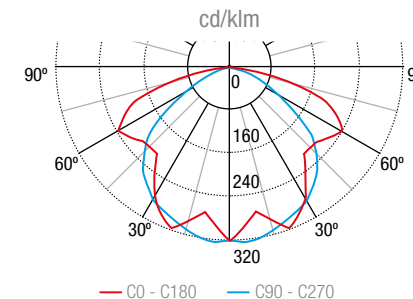
SPACING TABLE

Spacing table calculated with 1 lux minimum illuminance



Height (H)	95 lm	225 lm	450 lm	600 lm	850 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	23.5 m
8 m				19.9 m	24.5 m
10 m				18.5 m	23.3 m
12 m				17.9 m	21.9 m
14 m				17.4 m	21.3 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



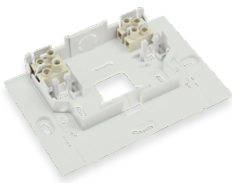
APE144
IP44 weatherproof kit, specially
indicated for parking areas



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

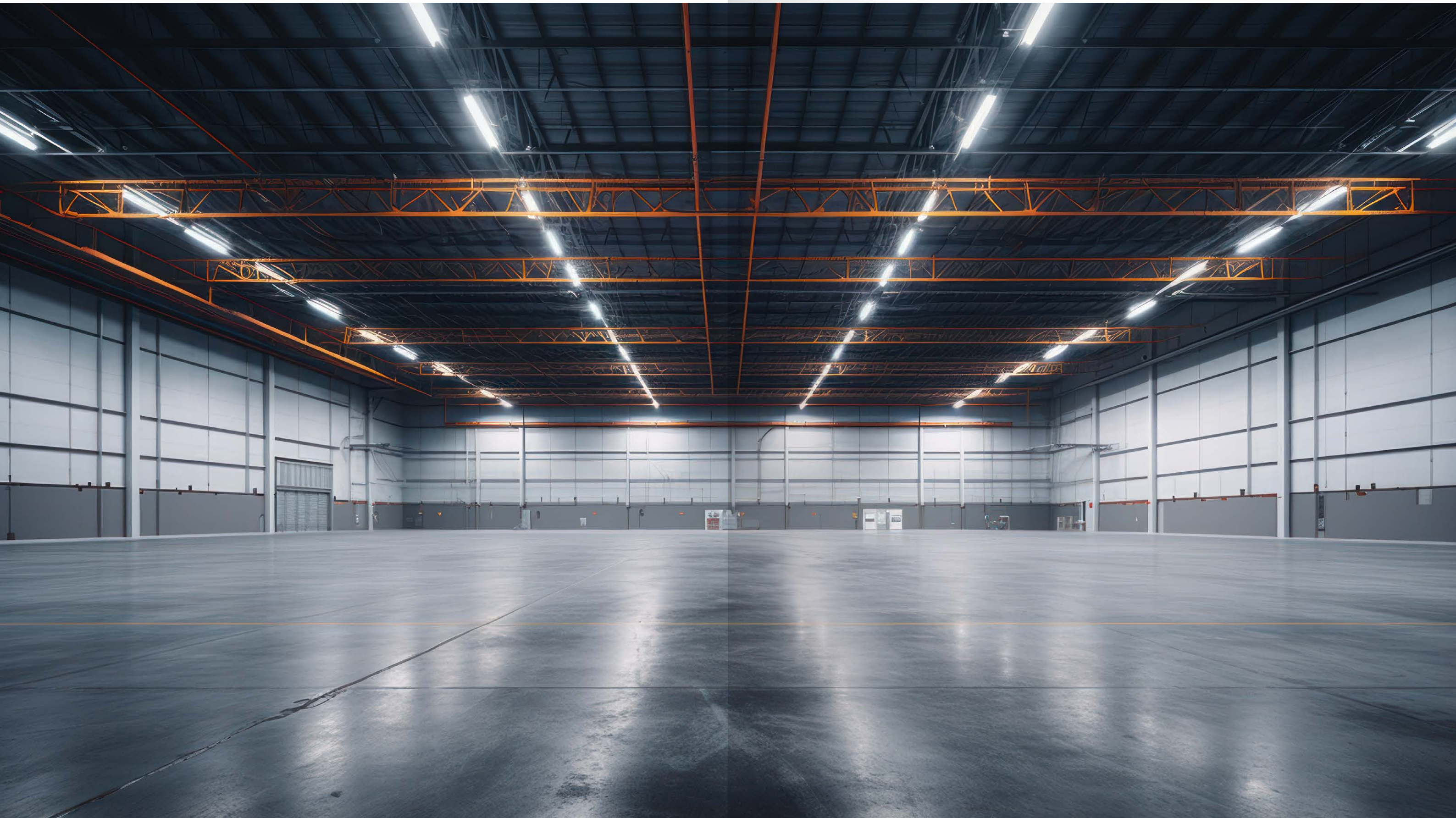


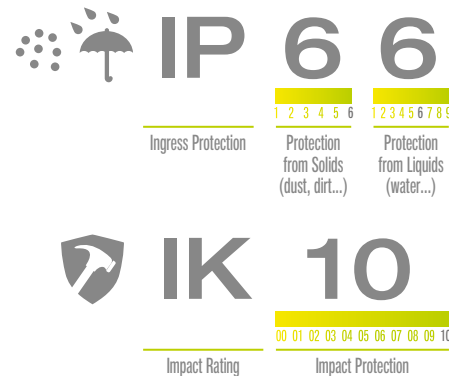
APT316
Modular self-adhesive signalling
pictogram set with 4 arrows



YPD0030
Diana connection
mounting plate







DIANA IP66

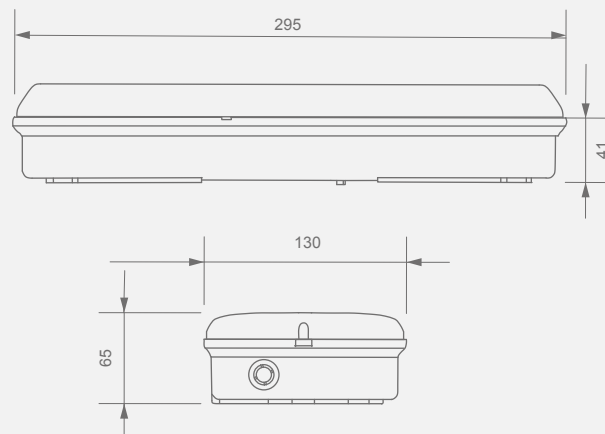
SPECIFICATION

- 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®

VIEW EVO10 RANGE



DIMENSIONS (mm)



STANDARDS COMPLIANCE

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

CERTIFICATIONS



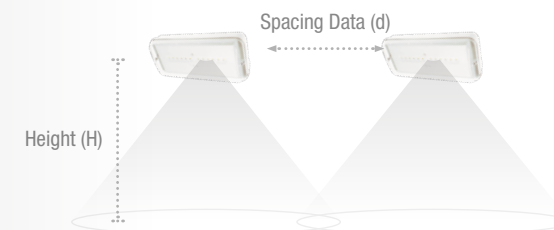
RANGE

	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
DALI2	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 funtion.
Black version under request.

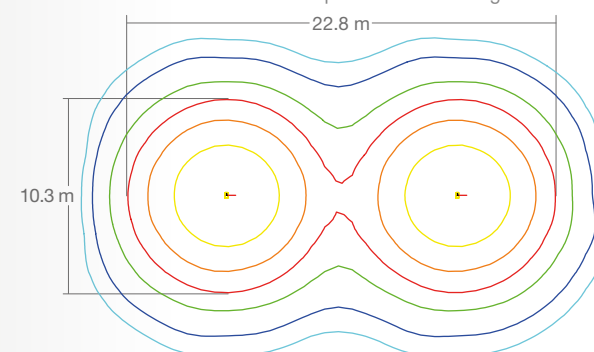
SPACING TABLE

Spacing table calculated with 1 lux minimum illuminance



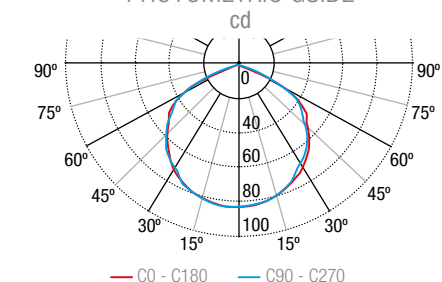
ISOLUX CURVE

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



RETURN TO INDEX

ACCESSORIES

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



APF600
(Under request)



And place it inside the Diana IP66 luminaire:





ARIAN

IP65 IK10



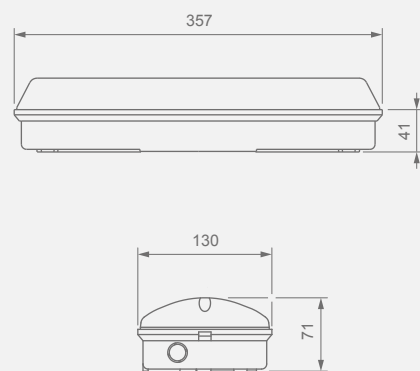
SPECIFICATION

- Polycarbonate body
- Diffuser: Opal Polycarbonate
- IP65
- IK10
- 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 temperature: 4000 °K
- Working temperature: 0 °C to +25 °C / -20 °C to +25 °C
- AutoTest
- SmartZ®

VIEW EVO10 RANGE



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
DALI-2	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**



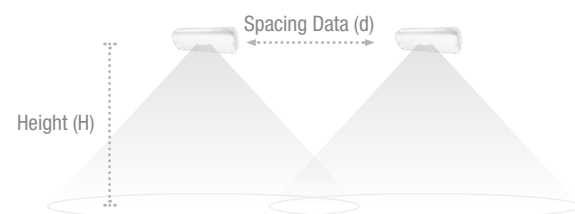
	Emergency	Mains	Type*	Dur.	Battery	Part number
AutoTest	390 lm		NM	1 h	3.2V 1.5A/h LiFePO ₄	LAC9400LX
	390 lm	230 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LAC9400LXP
	700 lm		NM	1 h	6.4V 1.5A/h LiFePO ₄	LAC9700LX
DALI-2	390 lm	230 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LAC9400LAP
	390 lm	230 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LAC9400LWP
Wireless SmartZ®	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	LAC9100LW8

*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.

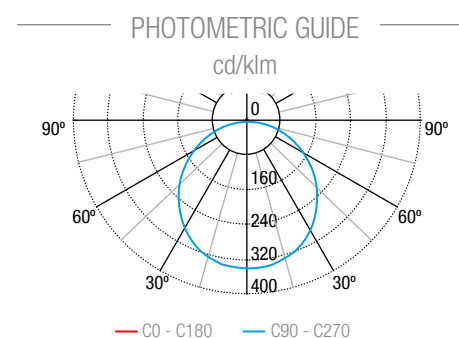
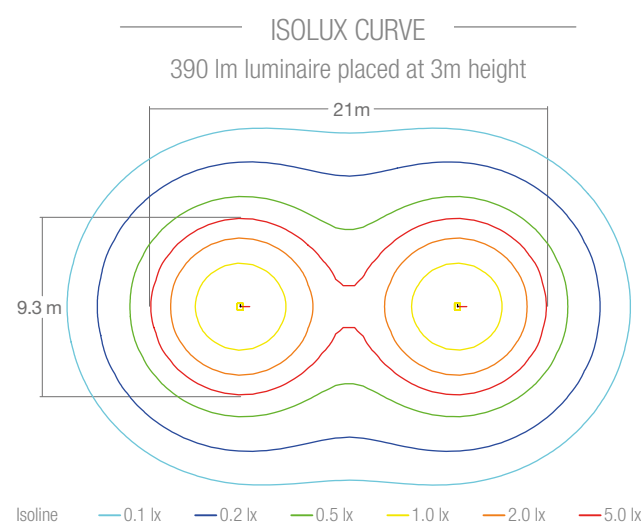
SPACING TABLE

Spacing table calculated with 1 lux minimum illuminance



Height (H)	Spacing Data (d)
	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)	
	795 lm	1000 lm
6 m	19.4 m	20.9 m
8 m	21.2 m	23.0 m
10 m	22.2 m	24.4 m
12 m	22.5 m	25.1 m
14 m	22.1 m	25.2 m



ACCESSORIES



BRC045
Brackets for wall mounting
unther degree 45°



AGA230
Protection grille



ADBA008
Diffuser + exit sign kit for Arian weatherproof
Set of pictographs (not included)



BRC210
Brackets for wall
or ceiling mounting





OUTLIGHT

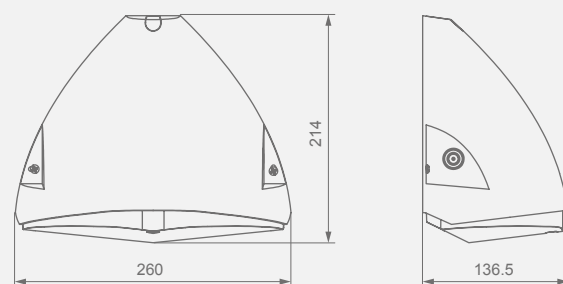
IP65 IK10

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: -5 °C to +40 °C
-  AutoTest

WARRANTY
5
YEAR

DIMENSIONS (mm)



STANDARDS COMPLIANCE

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

CERTIFICATIONS



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.

For version in white colour, add an 'B' at the end of the part number.

SPACING TABLE

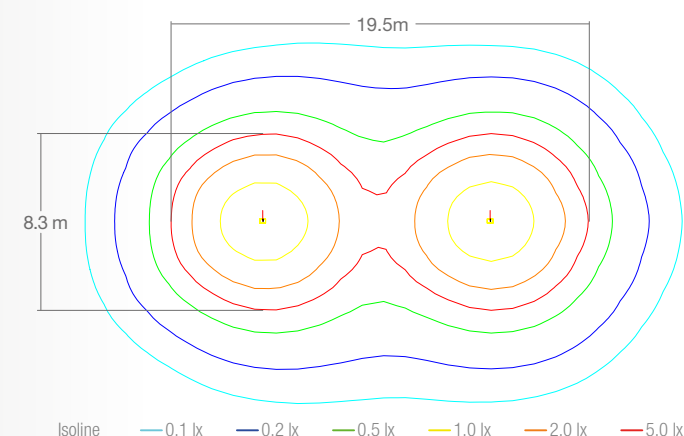
Spacing table calculated with 1 lux minimum illuminance



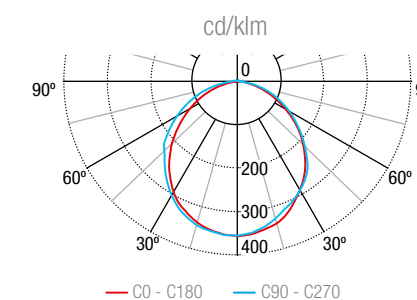
Height (H)	Spacing Data (d)
	300 lm
2.5 m	10.36 m
3 m	11.15 m
4 m	12.39 m
5 m	13.25 m
6 m	13.76 m

ISOLUX CURVE

300 lm luminaire placed at 3m height



PHOTOMETRIC GUIDE





NEPTUNO

IP67

IK07

INOX



+25°C
-20°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



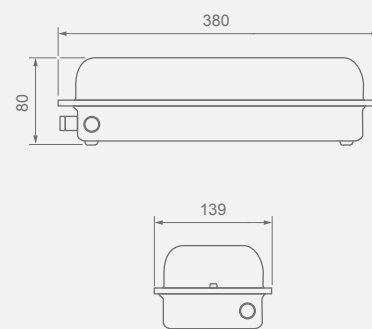
Working temperature:
0 °C to +40 °C / -20 °C to +25 °C



AutoTest



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**



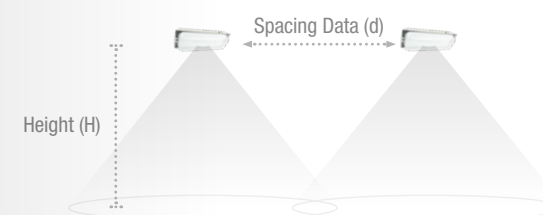
+25°C
-20°C

	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

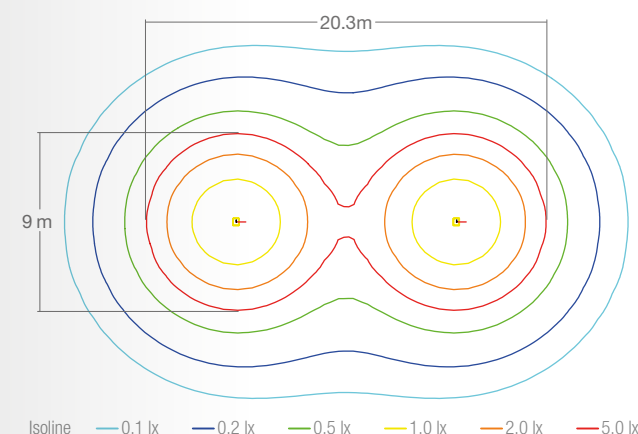
Spacing table calculated with 1 lux minimum illuminance



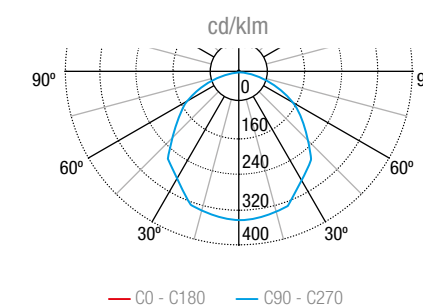
Height (H)	Spacing Data (d)		
	350 lm	580 lm	950 lm
2.5 m	10.7 m		
3 m	11.6 m		
4 m	12.9 m		
5 m	13.7 m		
6 m	14.3 m	17.4 m	20.6 m
8 m		18.6 m	22.5 m
10 m		19.4 m	23.6 m
12 m		19.3 m	24.6 m
14 m		17.7 m	24.9 m

ISOLUX CURVE

350 lm luminaire placed at 3m height



PHOTOMETRIC GUIDE



ACCESSORIES



AGA230
Protection
grille



APT316
Modular self-adhesive
signalling pictogram
set with 4 arrows



Robust and compact design
to blend into any setting.

Provides illumination in
normal and emergency operation.

Equipped with 4 **versatile** optics for
seamless integration in any environment.



MAXILUM PRO

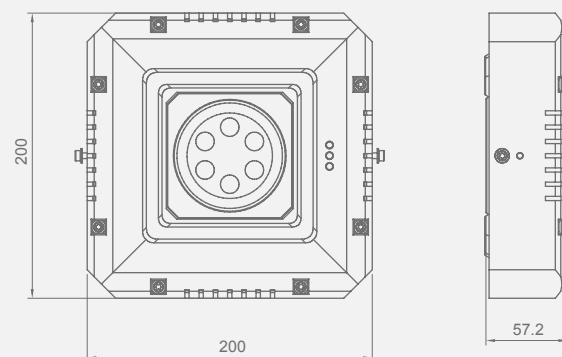
IP65 IK10

SPECIFICATION

	Aluminium
	Transparent Polycarbonate
IP	IP65
IK	IK10
lm	2 200 lm
	Duration: 1h · Battery: LiFePO ₄
	Charging time: 18 h
	Supply: 220-240 V - 50 Hz
LED	LED temperature: 4000 °K
	Working temperature: 0 °C to +40 °C
	AutoTest

WARRANTY
5 YEAR

DIMENSIONS (mm)



STANDARDS COMPLIANCE

EN-63471
EN-60598-1
EN-60598-2-22
AutoTest: EN-62034

CERTIFICATIONS



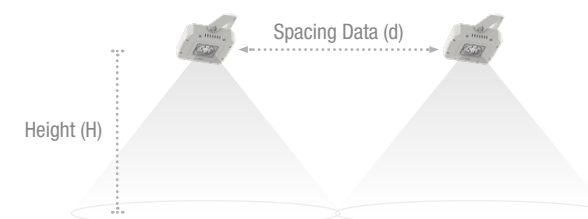
MAXILUM PRO

ZEMPER

	Emergency	Type*	Dur.	RANGE Battery (Units/Ah)	Part number
AutoTest	2 200 lm	M/NM	1 h	6.4V 4.0A/h LiFePO ₄	PMP2500LXP

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

SPACING TABLE



45° (Anti-panic lens)

Spacing table calculated with 1 lux minimum illuminance

Height (H)	Spacing Data (d) 2 200 lm
6 m	13.0
8 m	17.3
10 m	21.1
12 m	24.1
14 m	26.4

80° (Anti-panic lens)

Spacing table calculated with 1 lux minimum illuminance

Height (H)	Spacing Data (d) 2 200 lm
6 m	16.4
8 m	19.4
10 m	22.8
12 m	26.1
14 m	29.1

125° (Anti-panic lens)

Spacing table calculated with 1 lux minimum illuminance

Height (H)	Spacing Data (d) 2 200 lm
6 m	24.3
8 m	28.9
10 m	33.1
12 m	37.0
14 m	40.5

Corridor C (Escape route lens)

Spacing table calculated with 1 lux minimum illuminance

Height (H)	Spacing Data (d) 2 200 lm
6 m	40.2 m
8 m	48.6 m
10 m	55.4 m
12 m	60.0 m
14 m	63.2 m



45°
(Anti-panic lens)



80°
(Anti-panic lens)

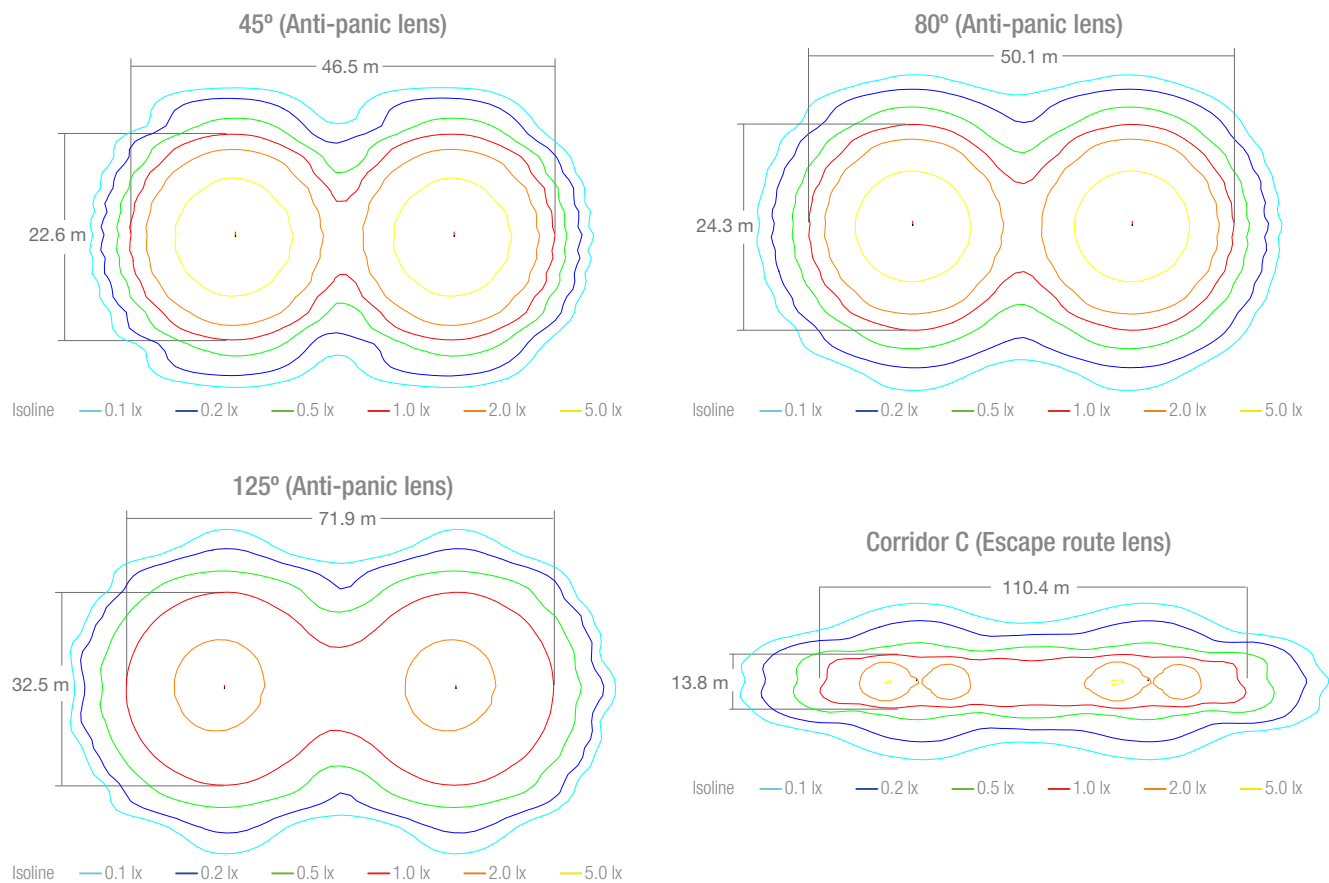


125°
(Anti-panic lens)

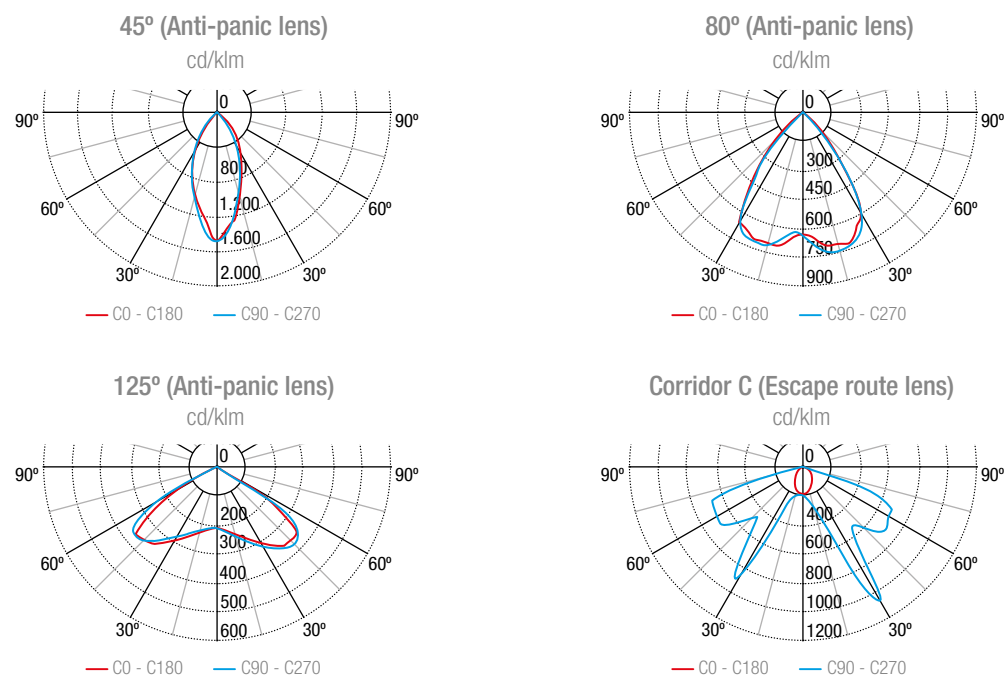


Corridor C
(Escape route lens)

ISOLUX CURVE
2 200 lm luminaire placed at 8 m height



PHOTOMETRIC GUIDE



The bracket with degree markings allows for wall or ceiling installation, enabling precise angle adjustments for optimal lighting direction.



Sustainability

50% smaller pcb - 100% recycled plastic materials used



Directional spotlight

AGM160
Protection grille
IK10

MAXILUM EVO

IP65

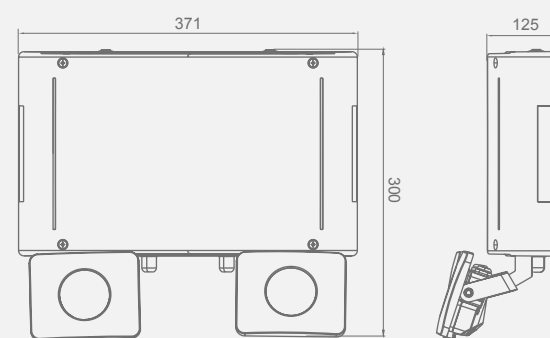
+25°C
-20°C

SPECIFICATION

-  Polycarbonate body
-  2x LED 10w / 20w
-  IP65
-  IK07 / IK10 (protection grille)
-  1 500 lm - 3 300 lm
-  Duration: 1 - 3 · 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 / -20 °C to +25 °C
-  Standard
-  AutoTest
-  SmartZ®



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



	Emergency	Type*	Dur.	Battery (Units/Ah)	Part number
Standard	1 500 lm	NM	1 h	12.8V 3.0A/h LiFePO ₄	PMV1500LC
	3 300 lm	NM	1 h	2 x 12.8V 3.0A/h LiFePO ₄	PMV3000LC
	1 500 lm	NM	3 h	2 x 12.8V 3.0A/h LiFePO ₄	PMV1500LC3
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

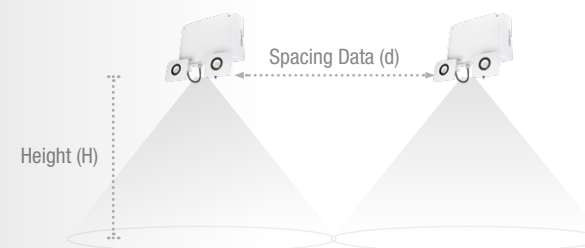
+25°C
-20°C

	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	PMV1500LXF3
	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
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	PMV1500LWF3

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

SPACING TABLE

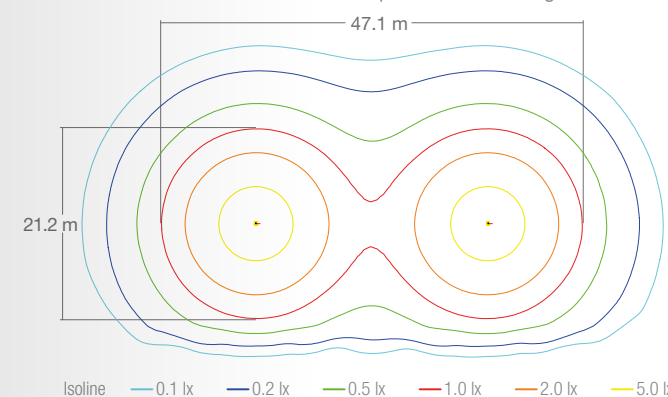
Spacing table calculated with 1 lux minimum illuminance



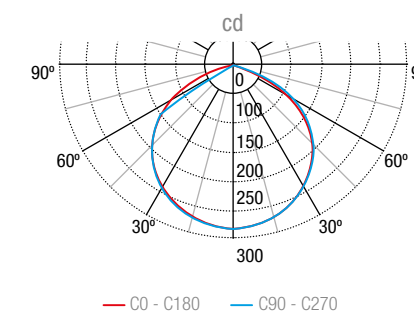
Height (H)	Spacing Data (d)	
	1 500 lm	3 300 lm
6 m	23.9 m	28.5 m
8 m	27.5 m	33.5 m
10 m	29.8 m	37.6 m
12 m	31.6 m	40.9 m
14 m	32.7 m	43.3 m

ISOLUX CURVE

1 500 lm luminaire placed at 8 m height



PHOTOMETRIC GUIDE





LUMINAIRE TRACK SYSTEM



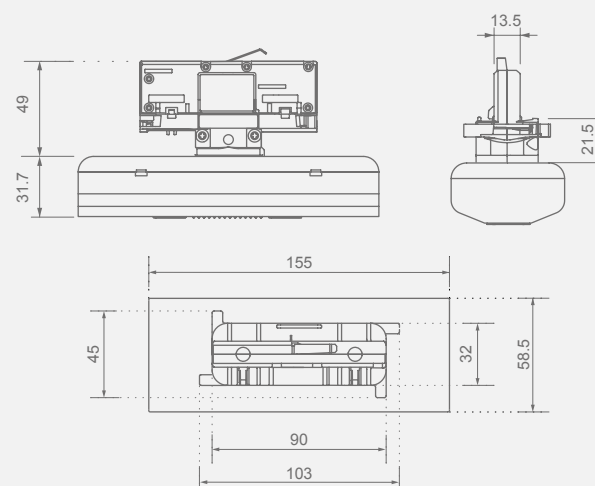
ALYA TRACK

SPECIFICATION

- Polycarbonate body
- Optics: Circular Lens + Hall Lens
- IP20
- IK04
- 300 lm - 390 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®



DIMENSIONS (mm)



STANDARDS COMPLIANCE

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

CERTIFICATIONS



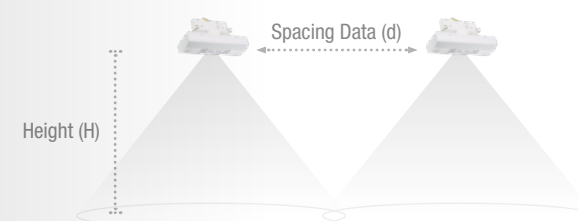
RANGE

	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		NM	1 h	3.2V 1.5A/h LiFePO ₄	LYA6400LW
	300 lm		NM	3 h	3.2V 3.0A/h LiFePO ₄	LYA6300LW3

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

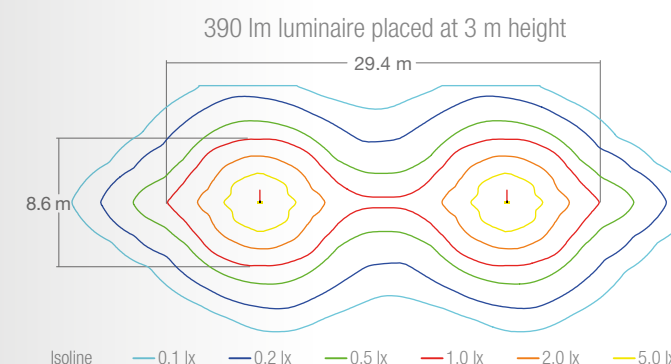
SPACING TABLE

Spacing table calculated with 1 lux minimum illuminance

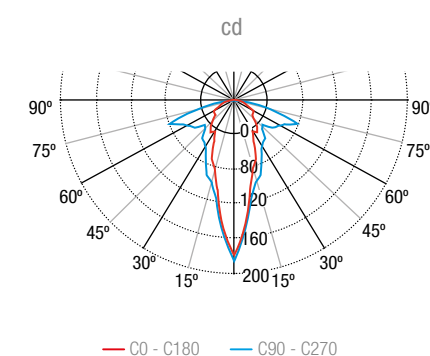


Height (H)	Spacing Data (d)	
	300 lm	390 lm
2.5 m	14.8 m	14.8 m
3 m	16.5 m	17.8 m
4 m	16.4 m	19.1 m
5 m	16.1 m	18.7 m
6 m	14.0 m	17.9 m

ISOLUX CURVE



PHOTOMETRIC GUIDE





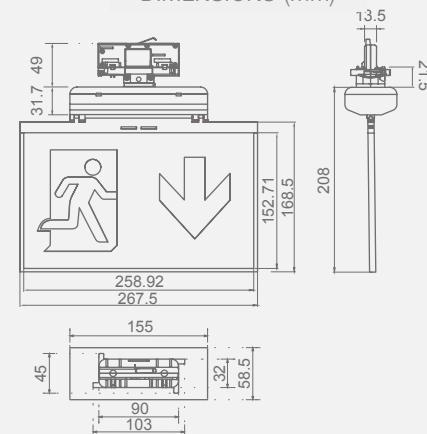
EXITALYA TRACK

SPECIFICATION

-  Polycarbonate body
-  IP20
-  IK04
-  Duration: 1 - 3 h - Battery: LiFePO₄
-  Charging time: 12 h
-  Supply: 230 V - 50 Hz
-  LED temperature: 6500 °K
-  Working temperature: 0 °C to +40 °C
-  AutoTest
-  SmartZ[®]



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)





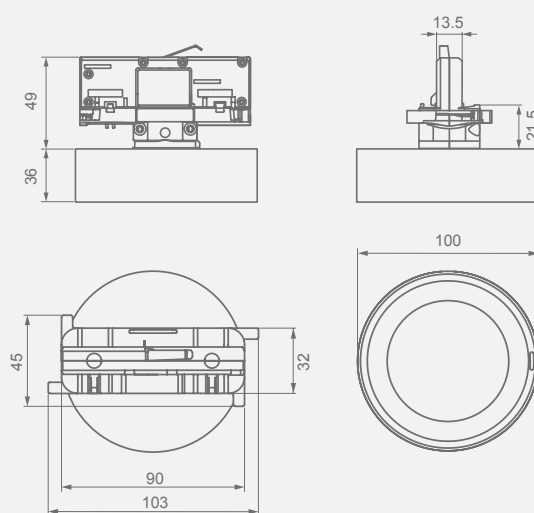
SPAZIO LUZ TRACK

SPECIFICATION

- Polycarbonate body
- Diffuser: Transparent Polycarbonate
- IP20
- IK04
- 170 lm - 425 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®



DIMENSIONS (mm)



STANDARDS COMPLIANCE

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

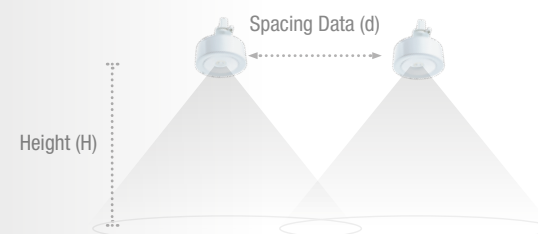
CERTIFICATIONS



	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

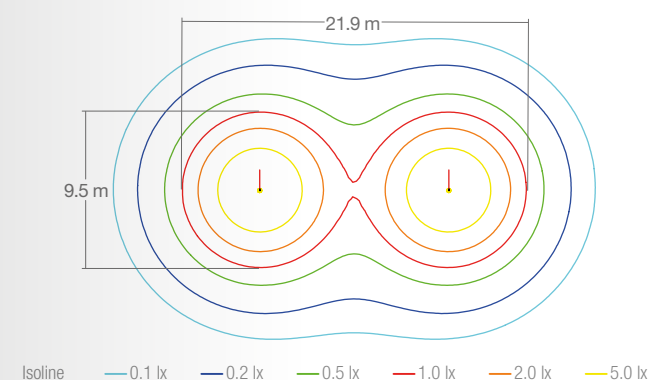


Spacing table calculated with 1 lux minimum illuminance

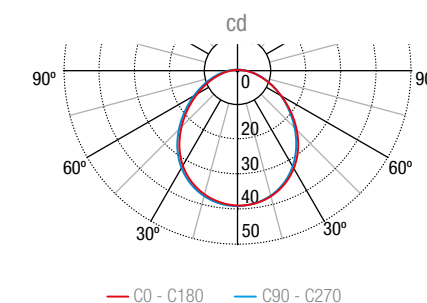
Height (H)	Spacing Data (d)	
	170 lm	425 lm
2.5 m	8.5 m	11.0 m
3 m	9.1 m	11.9 m
4 m	10.0 m	13.4 m
5 m	10.5 m	14.6 m
6 m	10.7 m	15.5 m

ISOLUX CURVE

425 lm luminaire placed at 3 m height



PHOTOMETRIC GUIDE





SPAZIO PLUS TRACK

Supplied with
ANTI-PANIC LENS and ESCAPE ROUTE LENS

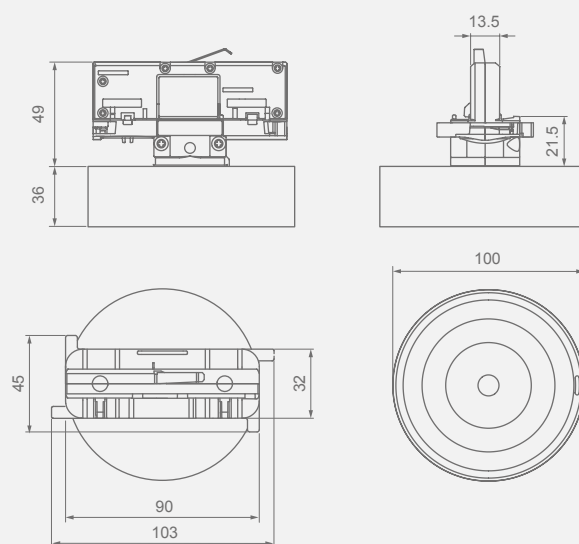
SPECIFICATION

- Polycarbonate body
- 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®



WARRANTY
5
YEAR

DIMENSIONS (mm)



STANDARDS COMPLIANCE

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

CERTIFICATIONS

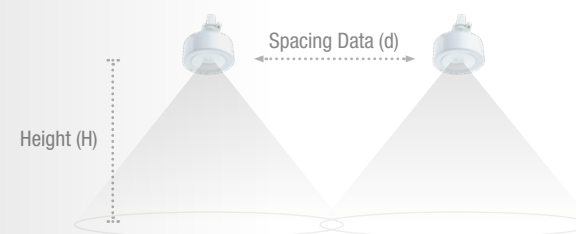


	RANGE					
	Emergency	Mains	Type*	Dur.	Battery	Part number
AutoTest	250 lm	150 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LSP6255LXP
	165 lm	100 lm	M/NM	3 h	3.2V 1.8A/h LiFePO ₄	LSP6175LXP3
	250 lm	150 lm	M/NM	1 h	3.2V 1.5A/h LiFePO ₄	LSP6255LAP
	165 lm	100 lm	M/NM	3 h	3.2V 1.8A/h LiFePO ₄	LSP6175LAP3
Wireless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

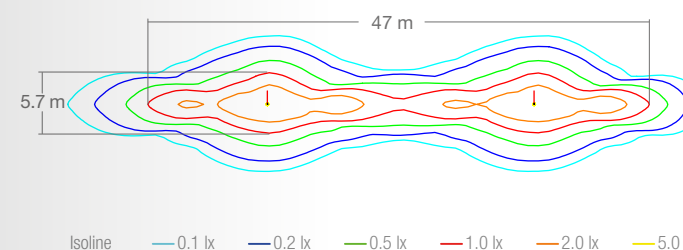
Spacing table calculated with 1 lux minimum illuminance



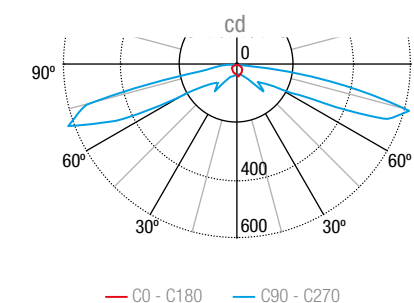
Height (H)	Spacing Data (d)	
	165 lm	250 lm
2.5 m	21.4 m	22.2 m
3 m	23.8 m	25.9 m
4 m	22.3 m	30.7 m
5 m	18.9 m	27.5 m
6 m	7.5 m	24.0 m

ISOLUX CURVE

250 lm luminaire placed at 3 m height

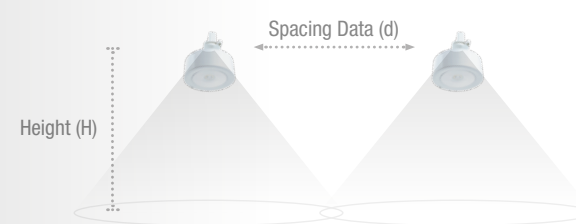


PHOTOMETRIC GUIDE



ANTI-PANIC LENS

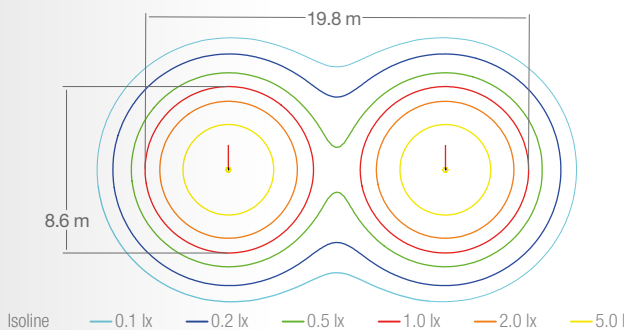
Spacing table calculated with 0.5 lux minimum illuminance



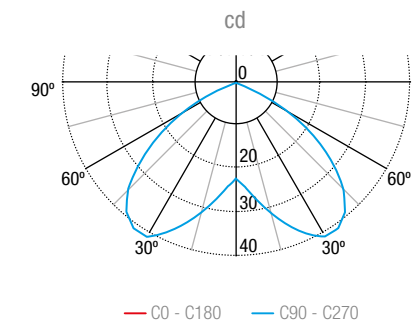
Height (H)	Spacing Data (d)	
	165 lm	250 lm
2.5 m	9.7 m	10.4 m
3 m	10.8 m	11.7 m
4 m	12.9 m	14.0 m
5 m	14.6 m	16.0 m
6 m	15.9 m	17.7 m

ISOLUX CURVE

250 lm luminaire placed at 3 m height



PHOTOMETRIC GUIDE



SLAVE LUMINAIRES FOR CENTRAL BATTERY SYSTEMS

ZEMPER



SLAVE LUMINAIRES FOR CENTRAL BATTERY SYSTEMS

ZEMPER

ROUND SPAZIO



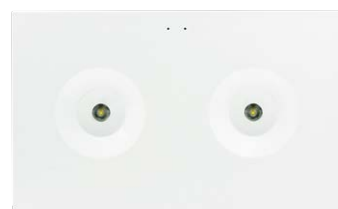
lm	Type	Lamp	Units/Box	Part number
200	24Vac/dc	Led R	12	LSR320024
200	24Vac/dc	Led D	12	LSR320124
200	230Vac/dc	Led R	12	LSR318023
200	230Vac/dc	Led D	12	LSR318123

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



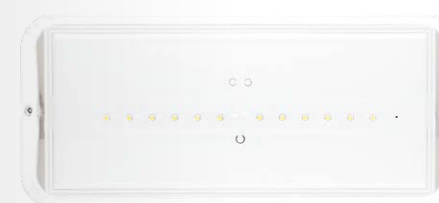
lm	Type	Lamp	Units/Box	Part number
70	230Vac/dc	LED	12	LTS407023
400	230Vac/dc	LED	12	LTS440023
70	24Vac/dc	LED	12	LTS407024
400	24Vac/dc	LED	12	LTS440024

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



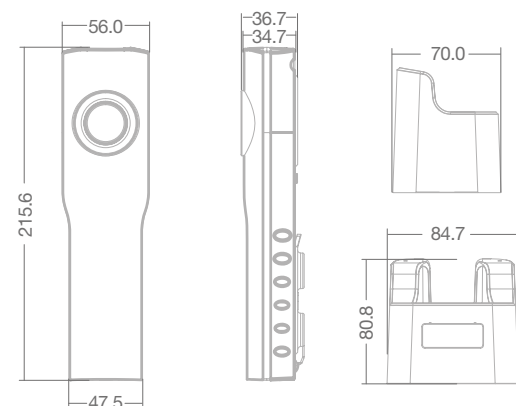
BAP.Led

LPORT04



Characteristics

- Light source:
1 x 10 W for main lamp (emergency)
1 x 3 W for torch
- Lumen output:
Main lamp: 1300 lm
Torch lamp: 220 lm
- Protection class: III
- IP / IK: IP54 / IK07
- LED temperature: 6500 °K
- Working temperature: -10 °C + 45 °C
- Battery: 3.7 V – 5000 mAh Lithium
- Power Supply: Charger with USB-C connector:
Input 100-240V 50-60Hz
Output 5 Vdc 1000mAh
- Charging time: 5 hours
- Duration:
3 hours for main lamp
10 hours for torch lamp

Charger base with
USB-C connectorHook for
suspensionMagnet for fixing
on metal base

IP54	IK07	LED 6500°K	Lm 1300	3-10h.	3.7V 5000mA	Lithium	Alta Eficiencia	5h.	5VDC
Description		Battery (Units/Ah)		Part number					
Self Contained Portable Lamp		3.7V – 5000 mAh Lithium		LPORT04					



RENOVATION KIT

high compatibility
with market
measuresresistant
materialadaptable to
ceiling and walleasy
mounting**UNIVERSAL FRAME XENA/DIANA**
compatible frame for **8W****UNIVERSAL FRAME SPAZIO**
compatible frame for **6W****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

Recommended for holes of max 365 x 132 mm

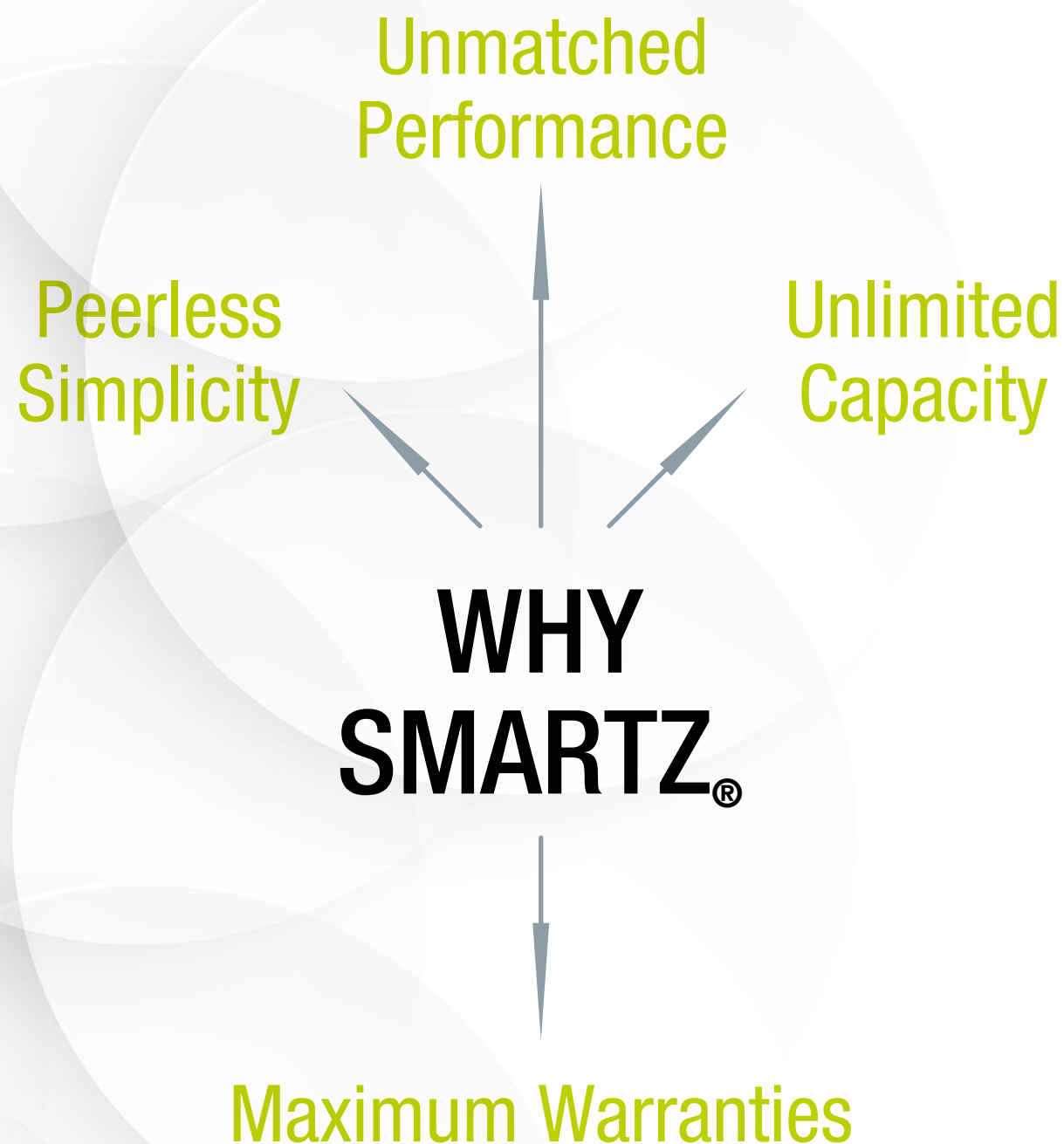
Recommended for holes of max 254 x 90 mm

Description
UNIVERSAL FRAME XENA/DIANA
UNIVERSAL FRAME SPAZIO
UNIVERSAL FRAME XENA/DIANA + SPAZIO LUMINAIRE

Part number
AMU8001
AMU8002
AMU8003



Smart 
Leading monitoring wireless systems [®]



The world's most advanced emergency lighting control system

SmartZ® represents our commitment to innovation by simplifying emergency lighting processes, making design, installation, commissioning, testing, and maintenance **quicker and more cost-effective**. As the **second generation of Zemper's wireless systems**, it showcases our leadership in advancing wireless technology within the industry since 2010.

SmartZ® has been meticulously developed through years of engineering and in collaboration with top expert in IoT and adaptive mesh topology. This innovative solution results from the work of our dedicated team, who focus exclusively on emergency lighting. Their specialized expertise drives the delivery of unparalleled simplicity and smarter solutions.



Cost-effective

Fast installation, fast commissioning.



Experience matters

2nd generation of Emergency Lighting Wireless Systems.



Secure buildings

Ensuring the highest safety for building occupants while easily guaranteeing legislative requirements.

Simplify the control and maintenance of your emergency lighting

Regular monitoring and testing of emergency lighting are essential to safeguard the lives of building occupants during emergencies.

All industrial, commercial, and public buildings need regular emergency lighting inspections. Meeting legislative requirements can be labor-intensive, especially for multiple facilities. SmartZ® is designed to simplify this process, being the push toward **smarter, more efficient and secure buildings**.

SMARTZ® BENEFITS



Easy installation



Unlimited capacity



Self-healing mesh



No interference



Multi-site management



Real-time status



Robust security



Sustainable

Lighting Smartization

Easy installation

Automatic luminaire recognition and no frequency arrangement needed: no wires, no couplers, no data point, no additional software, no intermediate routers, no licenses... Every luminaire is emitting and receiving signals creating a Dynamic mesh. Reduce drastically labor costs for emergency lighting installation. SmartZ® can be **integrated easily with other** wired and or wireless systems.

Multi-site management

The user-friendly portal simplifies **maintenance across multiple facilities**, allowing you to view each location and inspect individual luminaires or groups.

Unlimited capacity

No limits on the number of total devices since the mesh gets stronger and more resilient the more devices it contains, meaning that you can add as many devices as the project needs.

Real-time status

SmartZ® reports faults in **real-time**, sending **alerts** to the designated person via email or the user portal. Easy access from your mobile, laptop or tablet.

Self-healing mesh

Each luminaire automatically identifies its neighbouring devices to form the network. If a device is removed or malfunctions, the **network will reorganize itself and find the most efficient path**.

Robust security

All messages in the wireless mesh are **encrypted and authenticated** using the industry-standard AES128, which makes the message only detectable by the Emergency Luminaries.

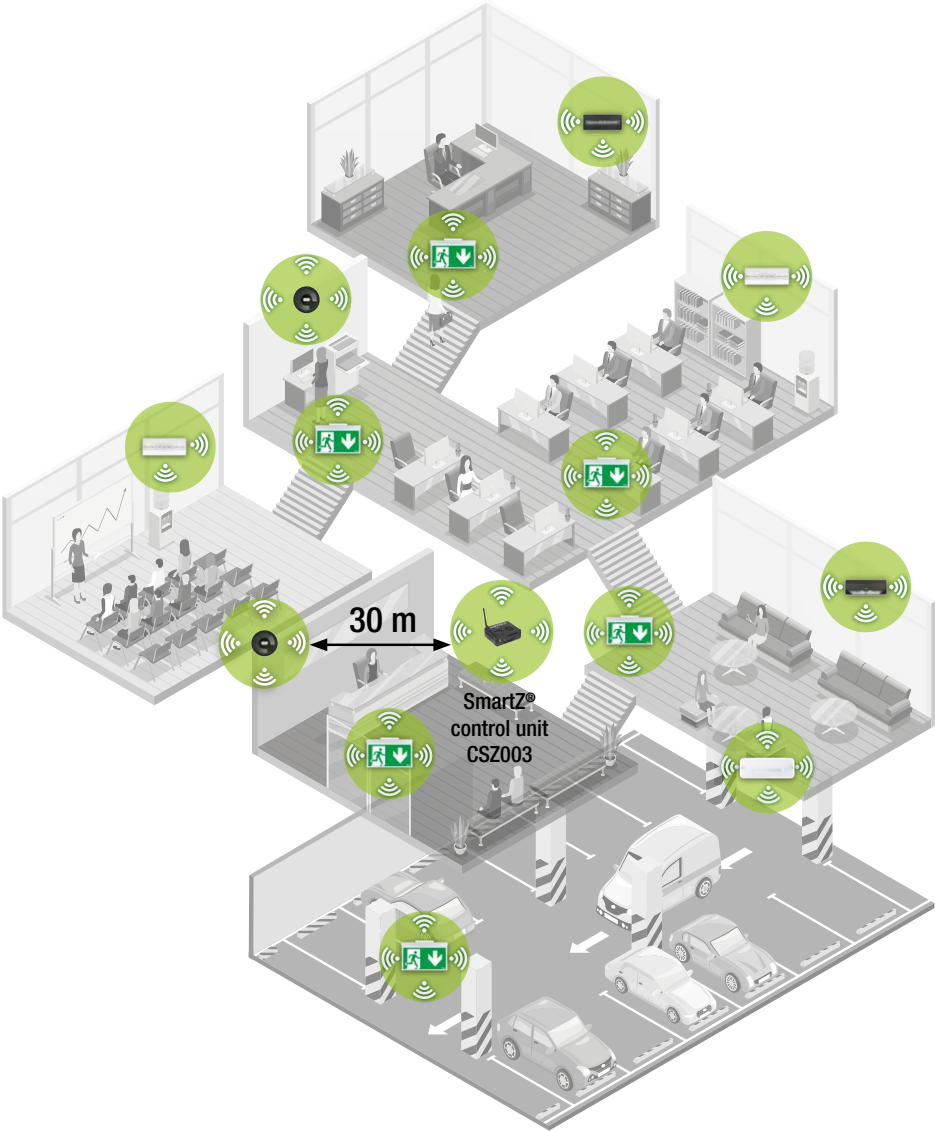
No interference

SmartZ® prevents interference by sensing channels before transmitting to avoid collisions and by **dynamically switching between 40 channels**, guaranteeing no interference with other wireless systems.

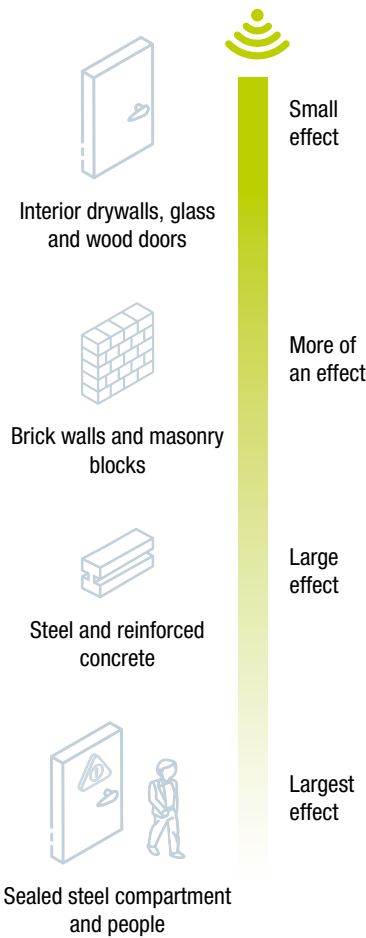
Sustainable

Reduction of installation and maintenance **foot print**. SmartZ® drastically reduces the resources needed.

SMARTZ[®] CHARACTERISTICS



signal behaviour

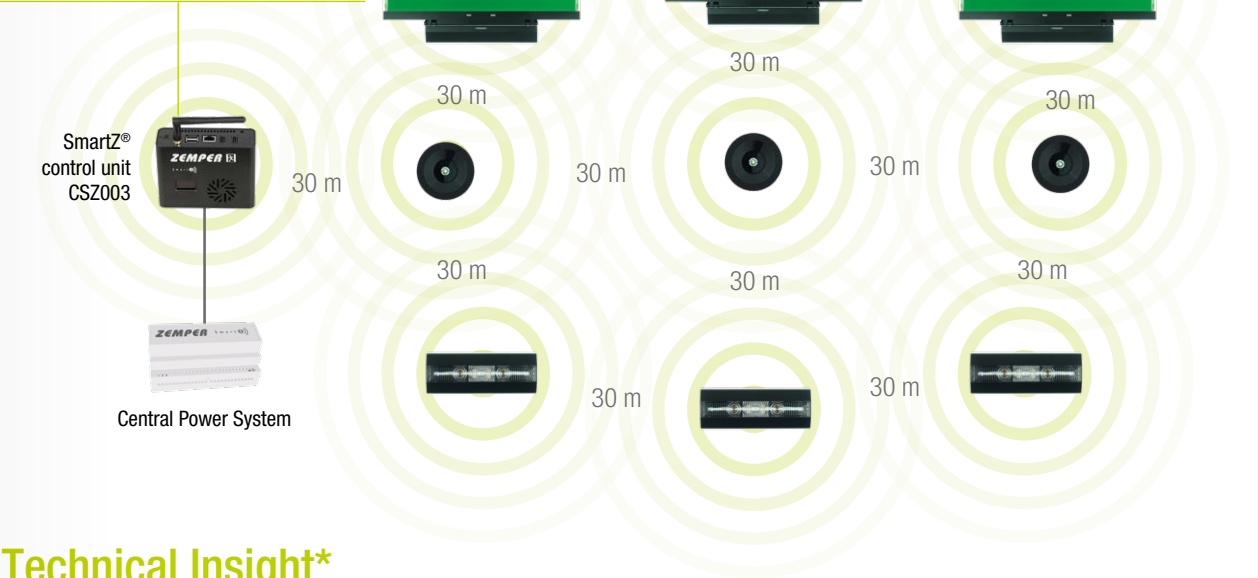


True Wireless system: Unlimited luminaires per control unit

Maximum performance

Unparalleled simplicity

- Control unit communication options:
- Wifi.
 - Ethernet cable.
 - SIM card.



Technical Insight*

Fittings per system	Unlimited.
Fittings per control unit	Unlimited.
Spacing	Up to 30 m between luminaires and with control unit.*
Concrete penetration	SmartZ [®] penetrates vertical and horizontal concrete structures.
Decentralised operation	Luminaires are smart to make decisions. Each fitting has the capability to act as a router as required, facilitating data transmission and reception within the network without centralized control. Multiple connection options ensure uninterrupted operation, no single device failure disrupts the network, making it entirely versatile for future needs.
Network commissioning	The RF network autonomously self-configures, significantly cutting down site commissioning time - Zemper ensures rapid deployment of a fully operational network.
No interference	Automatic and dynamic interchange between the 40 channels guarantee no collisions in the communication.
Self-healing mesh	Each luminaire automatically identifies its neighbouring devices to form the network. If a device is removed or malfunctions, the network will reorganize itself and find the most efficient path. This dynamic self-managed mesh minimizes commissioning and system time while maximizing efficiency of the overall network.
Ultra fast data	High-speed data network enabling real-time analytics and response.
Security	SmartZ [®] sets the gold standard in security ensuring three levels of RF network security (Integrity, Confidentiality and Authenticity). SmartZ [®] fittings employ the most advanced network security protocols to ensure they communicate exclusively within their designated site, without interacting with any devices outside the authorized group. All messages in the wireless mesh are encrypted and authenticated using the industry-standard AES128, which makes the message only detectable by the Emergency Luminaries.
Compatibility	Supports wired and wireless' Zemper previous systems
Integration with BMS	The control unit allows simple communication with other system hubs and integration into BMS (Building Management Systems). Communication with MODBUS and BACnet protocols are supported.

* The system has been validated in various environments where the average connectivity range is 30 metres. In buildings with minimal attenuation, the range is greater, and a reduction in range has also been observed when there is a significant presence of metallic elements. The connectivity range should be addressed for each project to determine the appropriate distance.

SMARTZ® INTERFACE

Designed for simplicity

Intuitive, clean and simple web-based interface.

SmartZ® Portal can be easily accessed online **from any device** (mobile, tablet & laptop,...) with any browser.

Easy to manage multiple facilities, areas and/or groups. SmartZ® fully adjusts to the specific needs of your building, enabling the creation of independent groups as required. With SmartZ®, there are no fixed zones or circuits; it's entirely flexible and versatile, and easily managed through the portal.

Interactive 2D floor plan layout showing emergency lighting positioning.

Users can **schedule functional and duration test**. All information is accessible in real-time through the portal and user can create custom reports or alerts to be automatically emailed.

Test reports provide compliance with legal requirements. **Maintenance logbook.**

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.

Luminaires status

Description	Quantity
Communication OK Light OFF NO ERROR	900
Communication OK Light ON NO ERROR	0
Communication NO OK	0

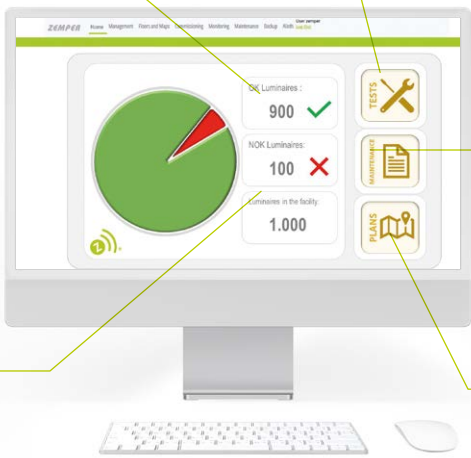
Tests happening in the following days.

Next programmed test:
· Autonomy:
12 / 02 / 2024
· Functional:
25 / 12 / 2023

Last carried out maintenance.
Last maintenance:
· 25 / 01 / 24 >
Luminaire 0206 new installation.
· 26 / 01 / 24 >
Luminaire 0112: battery change.
· 26 / 01 / 24 >
Luminaire 0315 replaced.

Luminaires status

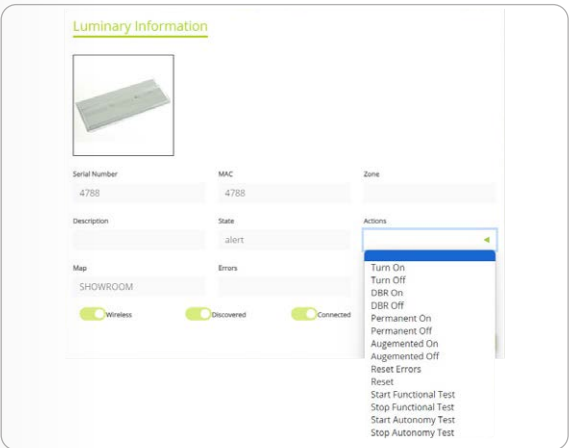
Description	Quantity
Communication OK Light OFF WITH ERROR	50
Communication OK Light ON WITH ERROR	50



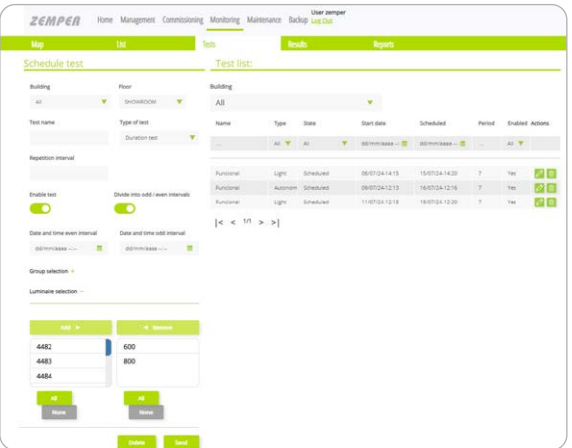
Facility plans.



Issue commands to the luminaires individually or collectively.



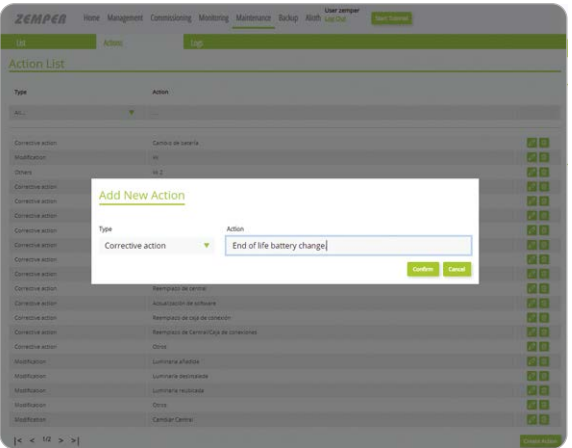
Scheduling of functional and duration test.



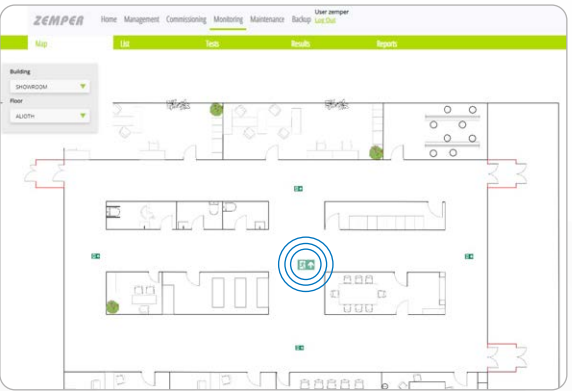
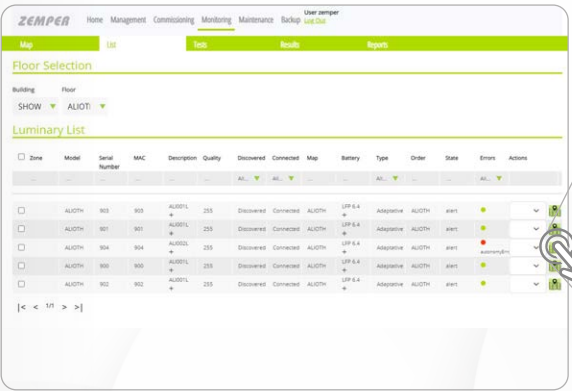
Status report.

Luminaires status									
Zone	MAC	Serial Number	Location	Functional	Duration	Power supply	Battery	Communication	
3028	3028			✓	✓	✓	✓	✓	
4786	4786			✓	✓	✓	✓	✓	
4484	4484			✓	✓	✓	✓	✓	
4482	4482			✓	✓	✓	✓	✓	
4483	4483			✓	✓	✓	✓	✓	
3028	3028			✓	✓	✓	✓	✓	
5037	5037			✓	✓	✓	✓	✓	
4787	4787			✓	✓	✓	✓	✓	
4786	4786			✓	✓	✓	✓	✓	
800	800			✓	✓	✓	✓	✓	
800	800			✓	✓	✓	✓	✓	
901	901			✓	✓	✓	✓	✓	
904	904			✓	✓	✓	✓	✓	
900	900			✓	✓	✓	✓	✓	
901	901			✓	✓	✓	✓	✓	

Maintenance log.



Easy way to find the luminaires on the map by pressing a button.



A user-friendly dashboard is provided for each building, presenting a luminaires status at a glance, where for more detail, just need to hover over.

SMARTZ[®]: GOLD STANDARD SECURITY



Integrity (untouched)

Each message includes an Integrity Code, ensuring that the message was not interfered during transmission.



Confidentiality (unlistenable)

Each message is encrypted using AES128 CTR standard with a unique message-specific nonce, ensuring that intercepted messages cannot be deciphered.



Authenticity (unbreachable access)

Network signalling messages are encrypted and augmented with a code. Nodes lacking the correct encryption and key pair are unable to join the network, ensuring the integrity of received data. Additionally, there is a pairing bottom to open and close the mesh avoiding exterior connections.



Security at the Control Unit and Web Server

Industry standards:

- VPN access
- SSH for file transfer. The Secure Shell network protocol provides a secure way to access and manage remote computers.
- Secure Socket Layer encryption for MQTT (Message Queuing Telemetry Transport protocol), ensuring data privacy and integrity over the network.

SMARTZ[®]: ULTRA-RELIABLE

No single point of failure

Any device can act as a router, enabling multiple potential connections. Gateways are fully shared-if one fails, another maintains the connection.

Adaptive frequency agility

SmartZ[®] ensures uninterrupted performance by automatically switching channels as required. It provides **frequency agility across 40 channels** with short on-air times. System communication uses ultra reinforced radio frequency band.

- Listen Before Talk (LBT)
- Adaptive transmit power
- Localized multi-channel interference avoidance

Unrivalled expertise

SmartZ[®] is the culmination of years of engineering development, being our **2nd wireless generation system** and including collaboration with a **global leader in IoT and adaptive multi-hop mesh topology**, trusted across many industries.

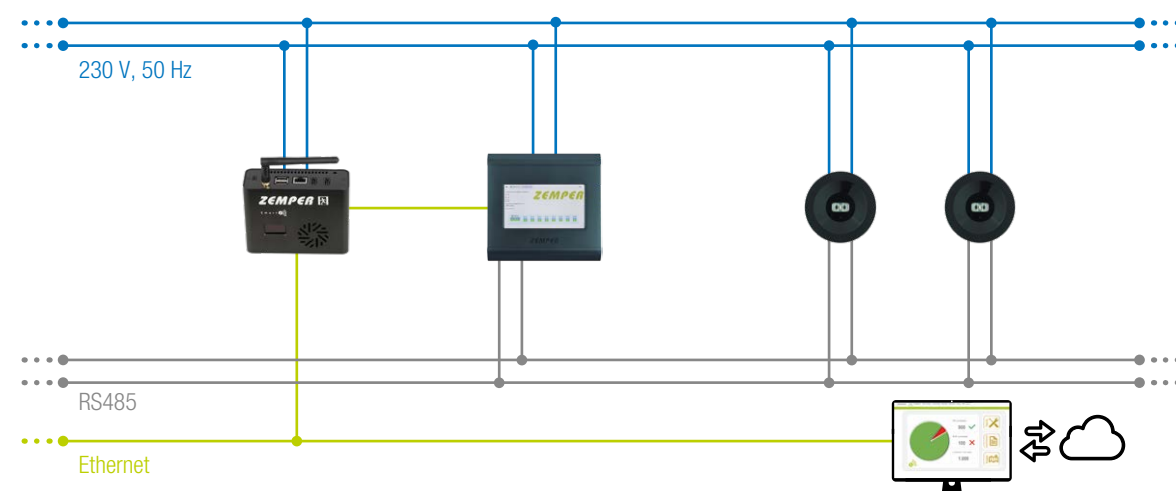


INTEGRATION WITH OTHER SYSTEMS

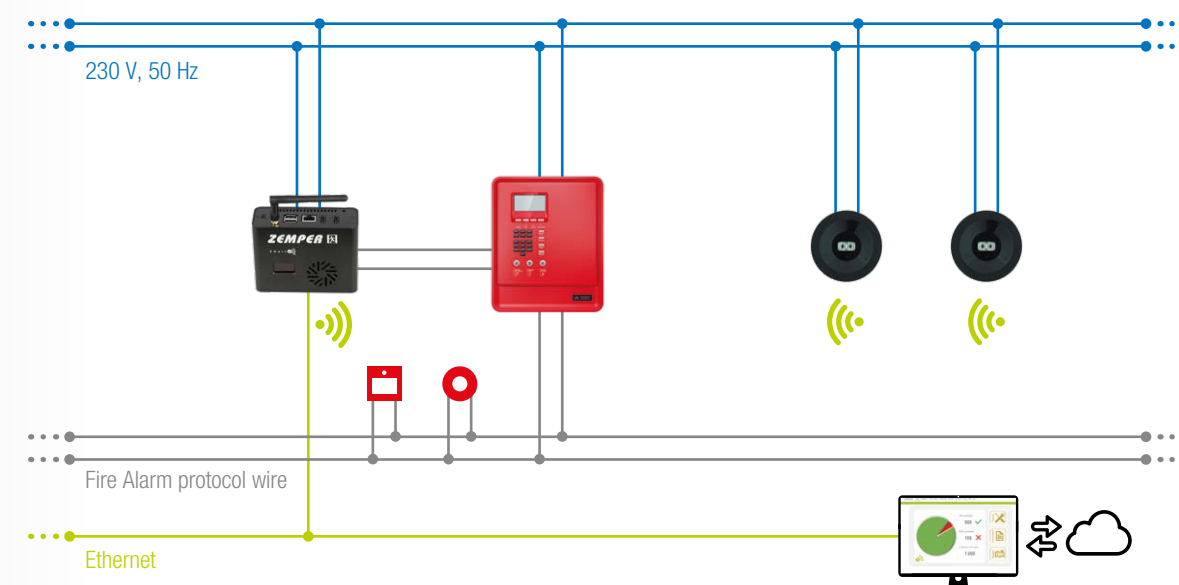


SmartZ® cable for protected environments where wireless solutions cannot be deployed

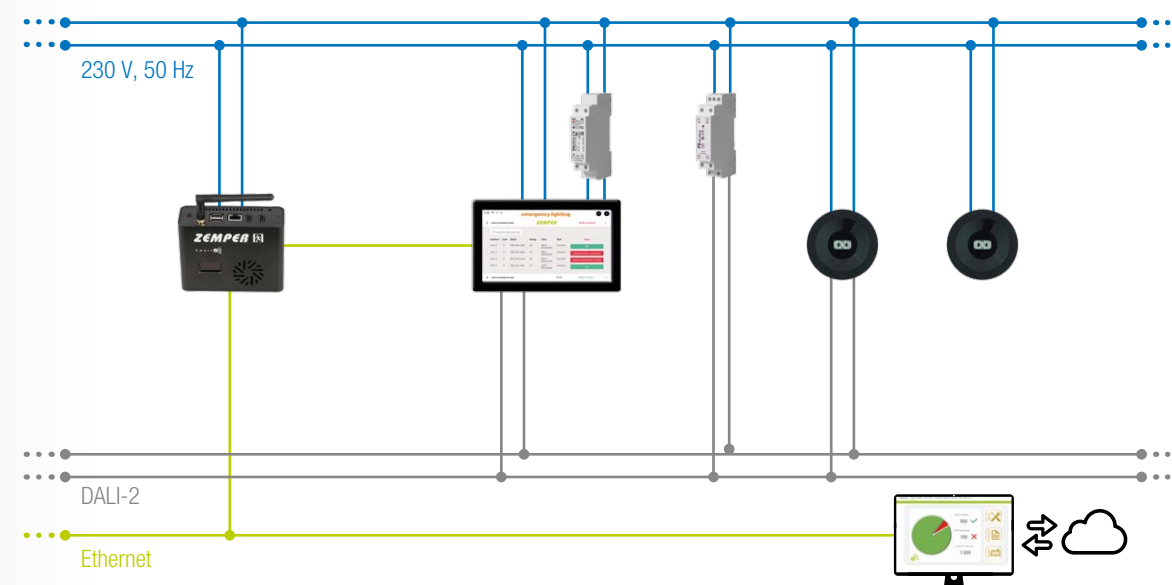
SmartZ® cable provides the solution for rooms or areas that cannot use an RF network due to their need for shielding from RF interference or a requirement for specific luminaires. Examples include hospital MRI rooms, high-security facilities, emergency services control rooms, and hazardous area lighting.



Integration with fire protection systems



Integration with DALI-2 system



REDUCTION OF CARBON FOOTPRINT

Reduction of installation and maintenance footprint.

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

- 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 enduring and sustainable range, with 10 year warranty is also available with SmartZ[®].

 [Download the EVO10 range brochure](#)

Your emergency lighting monitoring system for a more sustainable world.



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

SMARTZ[®]: THE BEST CHOICE



Profound expertise in wireless emergency lighting systems

Experience matters. We pioneers 15 years ago and SmartZ[®] is the 2nd generation of Zemper Wireless systems. Based on this baggage we offer advanced wireless solutions. Commitment to excellence ensure superior performance and reliability.



Investment for life with the smartest system

An investment for life, SmartZ[®] system is designed to be compatible with previous generations, ensuring **easy adaptability for future requirements** such as building expansions and refurbishments.



Unlimited capacity

Unlimited fittings per system.



Unbreakable Communication

The most robust communication technology and the most reliable dynamic mesh on the market.



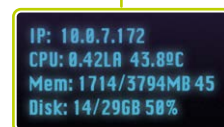
Unmatched simplicity

An exceptionally easy-to-use system that **simplifies the lives of installers and maintainers**, while ensuring the safety of building occupants during emergencies.

Making lives easier and safer with lighting smartization.



CSZ003



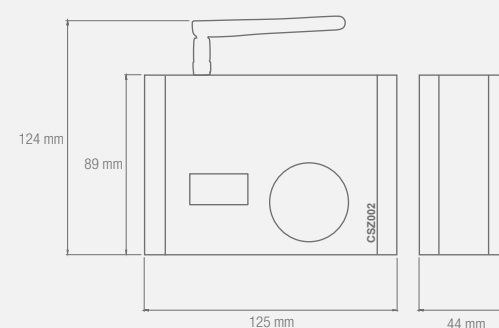
Its 0.96" OLED screen displays some information like IP address, CPU temperature, RAM memory in use and total, hard drive memory in use and total.

Smart **Z** CONTROL UNIT

SPECIFICATION

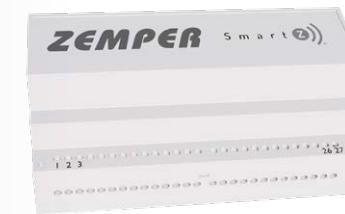
- Power supply: 5 Vdc - USB power unit (supplied)
- Consumption: 3 W
- Battery backup
- Interfaces: 1 x RJ45 (Ethernet)
3 x USB 2.0
2 x HDMI
1 x USB C Power
- Working temperature: 0 °C - 40 °C
- Protection class: III
- Dimensions (mm):
89 (without antenna) x 125 x 44
- Weight: 400 g
- Mounting: Wall / DIN Rail
- Accessories: · Repeaters

DIMENSIONS (mm)



Description	Part number
SmartZ® control unit	CSZ003

ONGOING CERTIFICATIONS



CENTRAL POWER SYSTEM

(included with control unit)

6.4V 1.5Ah LFP battery maintains the power supply to the control unit for 2 hours in the absence of mains power.



SIGNAL BOOSTER BSZ01

IP42 / IK 04

6.4V 1.5Ah LFP battery maintains the power supply to the control unit for 2 hours in the absence of mains power. Installation with mounting plate.

Possibility of installation in:
Ceiling/Wall surface.
Recessed ceiling (with installation accessory)

Possibility of connection with:
Recessed wiring.
Surface tube wiring (max. M20)

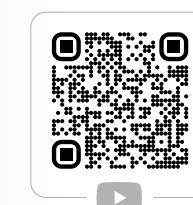
- Connectivity via Ethernet, Wifi or SIM card.
- Installation plans can be uploaded.
- Testing sequences, for example annual duration tests, are fully configurable.
- Graphical user interface shows real time status of devices.
- Log of events and exportable test results.
- Email sending of configurable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



Power button 1 x USB2.0



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



WiFi Installation



Ethernet Installation



UPS Ethernet Installation



SIM Card Installation



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.

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 enduring and sustainable range, with 10 year warranty is also available with DALI-2.



Download the EVO10 range brochure





ZWEBDALI

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



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

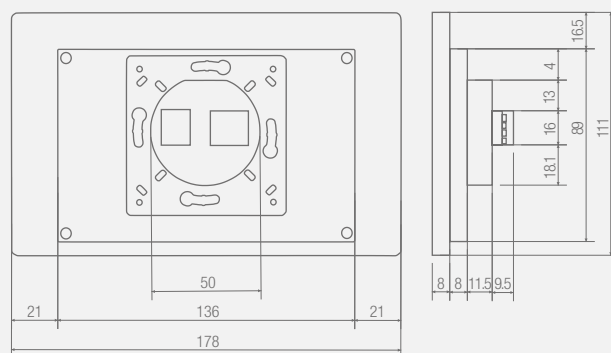


Dimensions: 178 x 111 x 8 mm.



Colour housing: metallic grey.
Colour frame: black.

DIMENSIONS (mm)



Description	Colour	Part number
ZDALI2 touchscreen control unit	Black	ZWEBDALI

CERTIFICATIONS



ACCESSORIES

ZEMPER

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

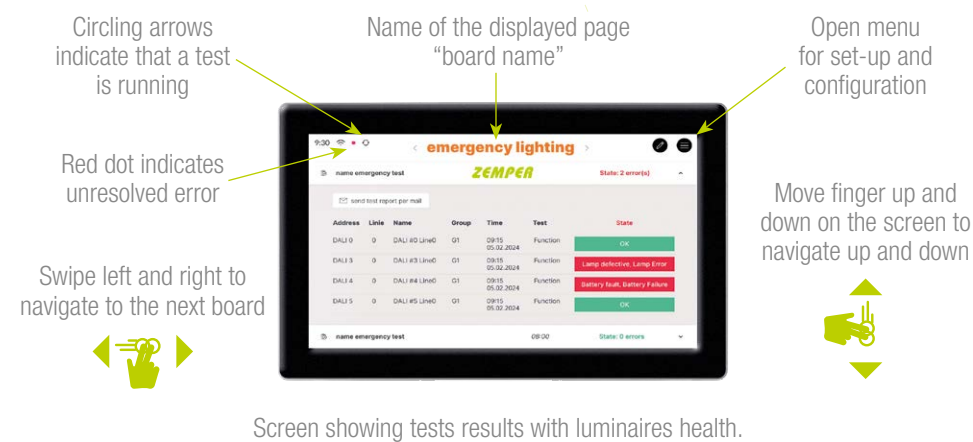
ZDALI2 TOUCHSCREEN CONTROL UNIT

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.



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)

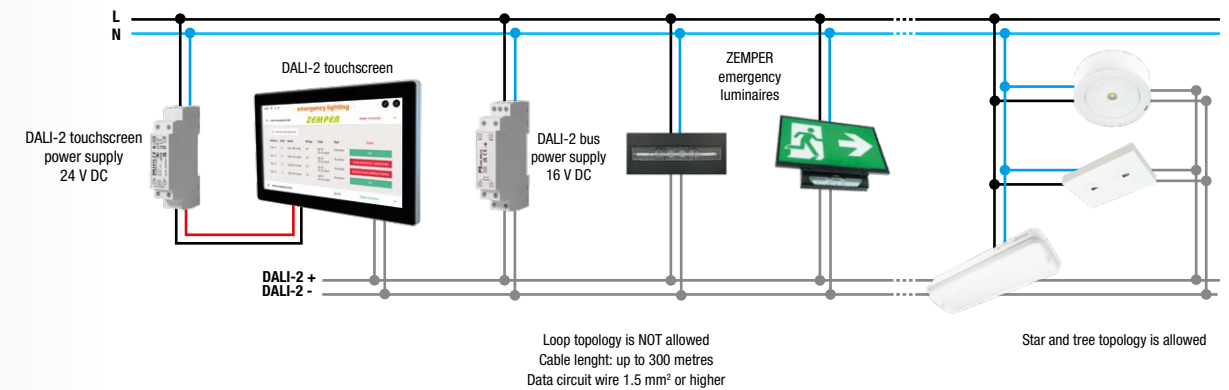
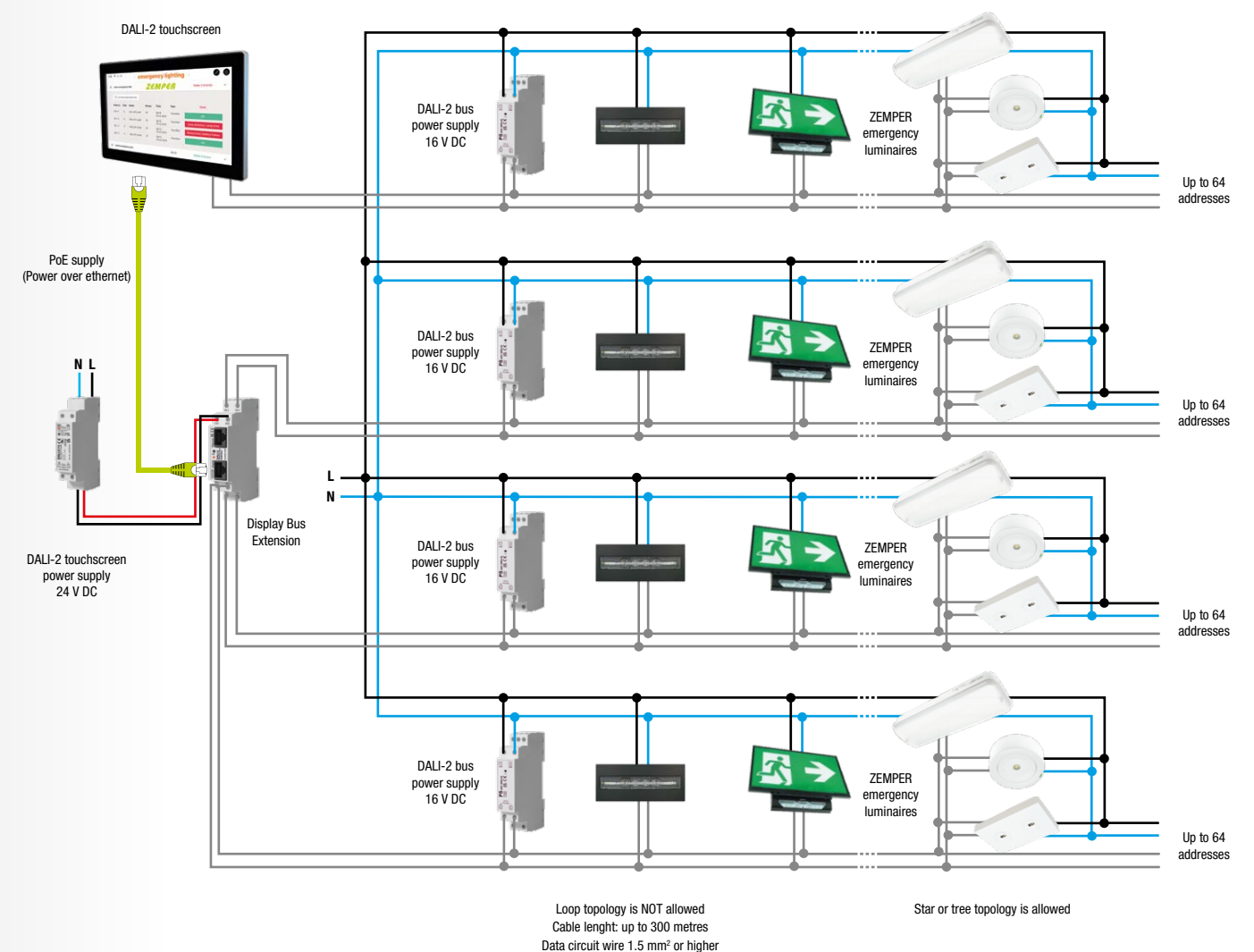


Figure 2. Multiple Bus
(max. 256 luminaires)



Explosion Proof Fittings ATEX

Zone 1/21 - 2/22



ClassNK





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.

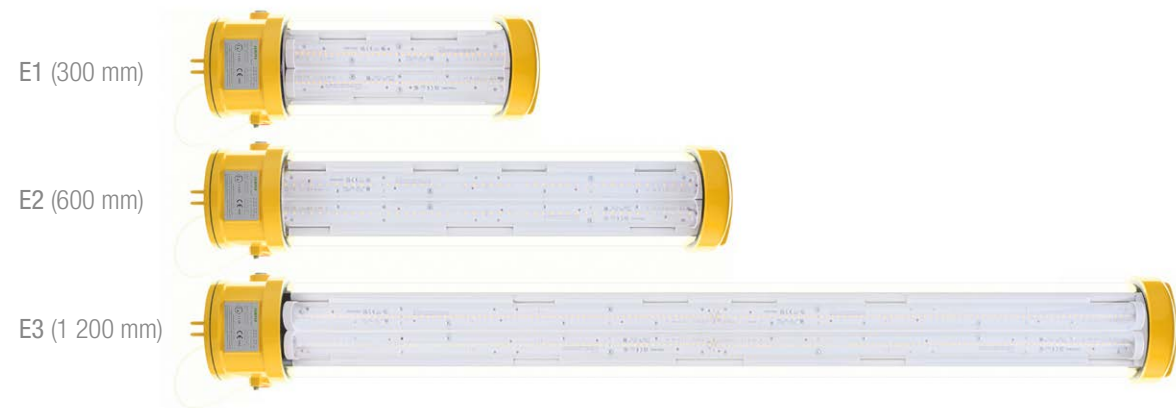


Ex db IIC T6 Gb
 Ex tb IIIC T85°C Db

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
 - 21ATEX0012X
 - IECEx INE: 21.0022X-01

Enclosure general data

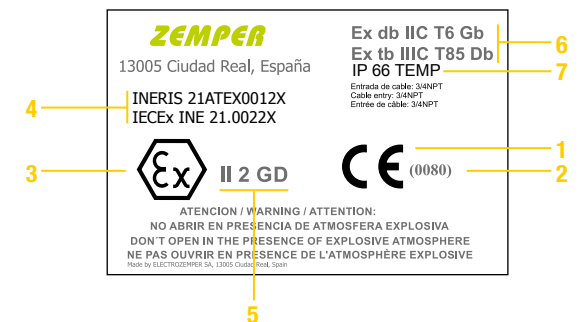
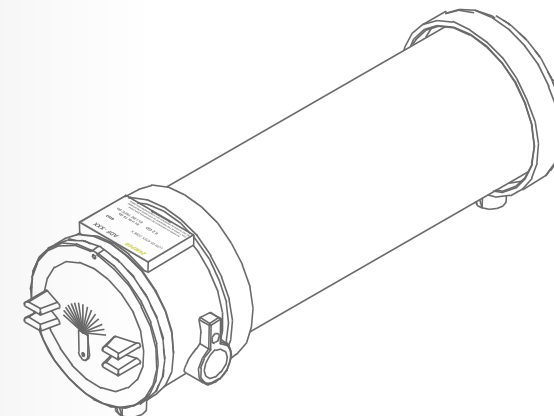
- Tubular diffuser:**
- Borosilicate glass, E1: 7 mm E2/ E3 9 mm
 - Polycarbonate, UV protected. 3 mm thick

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

SATURNO

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



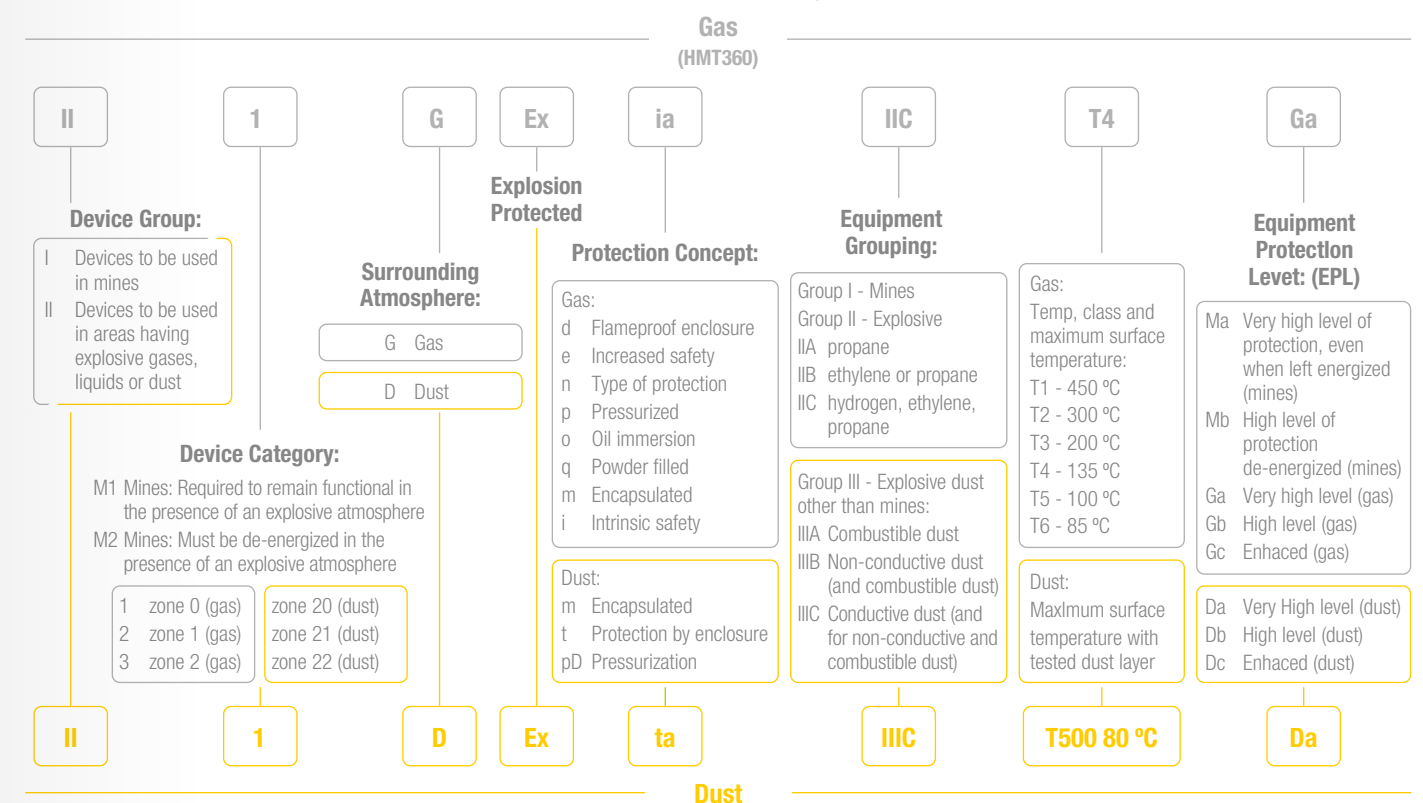
INFORMATION SPECIFIC TO EXPLOSION PROTECTION (MARKING)

ATEX directive/EN standards

- 1 Conformity mark (CE)
- 2 Identification number of the notified body which -where required- certified the QA system or examined the products (Category 1 and 2)
- 3 Ex mark
- 4 EC-type examination certification
- 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
- 6 Certificate of conformity (*)
- 7 IP Protection degree
- TEMP: Temperature Range

IEC standards

* Certificate of Conformity





SATURNO



Ex db IIC T6 Gb
Ex tb IIIC T85°C Db

IP66 IK07 - IK10



IP

IK

Lm



LED



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

Lighting Luminous range: 1 300 lm - 14 100 lm
Emergency Luminous range: 45 lm - 1 020 lm

Duration: 1 - 3 h · Battery: LiFePO₄

Charging time: 20 h

Supply: 220 - 240 V 50/60 Hz

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:

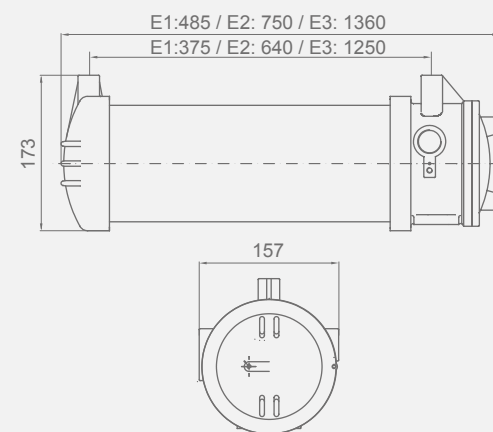
· Lighting working temperature: -20 °C to +50 °C

· 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



RANGE

LIGHTING

Dimensions	Polycarbonate Enclosure	Lighting	Communication
E1	LSIPC1100	1 300 lm	
E1	LSIPC1200	2 400 lm	
E2	LSIPC2200	2 600 lm	
E2	LSIPC2200S	2 600 lm	
E2	LSIPC2200A	2 500 lm	DALI-2
E2	LSIPC2400	5 100 lm	
E3	LSIPC3110	13 600 lm	
E3	LSIPC3110A	13 600 lm	DALI-2
E3	LSIPC3400	5 500 lm	
E3	LSIPC3400S	5 500 lm	
E3	LSIPC3400A	5 500 lm	DALI-2

Dimensions	Glass Enclosure	Lighting	Communication
E1	LSIVC1100	1 400 lm	
E1	LSIVC1200	2 500 lm	
E2	LSIVC2200	2 750 lm	
E2	LSIVC2200S	2 750 lm	
E2	LSIVC2200A	2 850 lm	DALI-2
E2	LSIVC2400	5 350 lm	
E3	LSIVC3110	14 100 lm	
E3	LSIVC3110A	14 100 lm	DALI-2
E3	LSIVC3400	5 750 lm	
E3	LSIVC3400S	5 750 lm	
E3	LSIVC3400A	5 750 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	840 lm	2400 lm	3.2V 3.0Ah LiFePO ₄	1h	AUTOTEST
E2	M/NM	LSPC2400LXP	870 lm	2600 lm	3.2V 3.0Ah LiFePO ₄	1h	AUTOTEST
E2	M/NM	LSPC2400LAP	870 lm	2600 lm	3.2V 3.0Ah LiFePO ₄	1h	DALI-2
E2	NM	LSPC2700LX	890 lm		3.2V 3.0Ah LiFePO ₄	1h	AUTOTEST
E2	M/NM	LSPC2700LXP	890 lm	5100 lm	3.2V 3.0Ah LiFePO ₄	1h	AUTOTEST
E2	M/NM	LSPC2700LAP	830 lm	5100 lm	3.2V 3.0Ah LiFePO ₄	1h	DALI-2
E3	M/NM	LSPC3700LXP	980 lm	5550 lm	3.2V 3.0Ah LiFePO ₄	1h	AUTOTEST
E3	M/NM	LSPC3700LAP	980 lm	5550 lm	3.2V 3.0Ah LiFePO ₄	1h	DALI-2
E1	NM	LSPC1400LX3	460 lm		3.2V 6.0Ah LiFePO ₄	3h	AUTOTEST
E1	NM	LSPC1700LX3	840 lm		3.2 V 9.0Ah LiFePO ₄	3h	AUTOTEST
E2	M/NM	LSPC2400LXP3	870 lm	2600 lm	3.2 V 9.0Ah LiFePO ₄	3h	AUTOTEST
E2	M/NM	LSPC2400LAP3	870 lm	2600 lm	3.2 V 9.0Ah LiFePO ₄	3h	DALI-2
E2	NM	LSPC2700LX3	890 lm		3.2 V 9.0Ah LiFePO ₄	3h	AUTOTEST
E2	M/NM	LSPC2700LXP3	890 lm	5100 lm	3.2 V 9.0Ah LiFePO ₄	3h	AUTOTEST
E2	M/NM	LSPC2700LAP3	830 lm	5100 lm	3.2 V 9.0Ah LiFePO ₄	3h	DALI-2
E3	M/NM	LSPC3700LXP3	980 lm	5550 lm	3.2 V 9.0Ah LiFePO ₄	3h	AUTOTEST
E3	M/NM	LSPC3700LAP3	980 lm	5550 lm	3.2 V 9.0Ah LiFePO ₄	3h	DALI-2

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	880 lm	2750 lm	3.2V 3.0Ah LiFePO ₄	1h	AUTOTEST
E2	M/NM	LSVC2400LXP	920 lm	2750 lm	3.2V 3.0Ah LiFePO ₄	1h	AUTOTEST
E2	M/NM	LSVC2400LAP	920 lm	2850 lm	3.2V 3.0Ah LiFePO ₄	1h	DALI-2
E2	NM	LSVC2700LX	930 lm		3.2V 3.0Ah LiFePO ₄	1h	AUTOTEST
E2	M/NM	LSVC2700LXP	930 lm	5350 lm	3.2V 3.0Ah LiFePO ₄	1h	AUTOTEST
E2	M/NM	LSVC2700LAP	870 lm	5350 lm	3.2V 3.0Ah LiFePO ₄	1h	DALI-2
E3	M/NM	LSVC3700LXP	1020 lm	5750 lm	3.2V 3.0Ah LiFePO ₄	1h	AUTOTEST
E3	M/NM	LSVC3700LAP	1020 lm	5750 lm	3.2V 3.0Ah LiFePO ₄	1h	DALI-2
E1	NM	LSVC1400LX3	480 lm		3.2V 6.0Ah LiFePO ₄	3h	AUTOTEST
E1	NM	LSVC1700LX3	880 lm		3.2 V 9.0Ah LiFePO ₄	3h	AUTOTEST
E2	M/NM	LSVC2400LXP3	920 lm	2750 lm	3.2 V 9.0Ah LiFePO ₄	3h	AUTOTEST
E2	M/NM	LSVC2400LAP3	920 lm	2850 lm	3.2 V 9.0Ah LiFePO ₄	3h	DALI-2
E2	NM	LSVC2700LX3	930 lm		3.2 V 9.0Ah LiFePO ₄	3h	AUTOTEST
E2	M/NM	LSVC2700LXP3	930 lm	5350 lm	3.2 V 9.0Ah LiFePO ₄	3h	AUTOTEST
E2	M/NM	LSVC2700LAP3	870 lm	5350 lm	3.2 V 9.0Ah LiFePO ₄	3h	DALI-2
E3	M/NM	LSVC3700LXP3	1020 lm	5750 lm	3.2 V 9.0Ah LiFePO ₄	3h	AUTOTEST
E3	M/NM	LSVC3700LAP3	1020 lm	5750 lm	3.2 V 9.0Ah LiFePO ₄	3h	DALI-2

*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

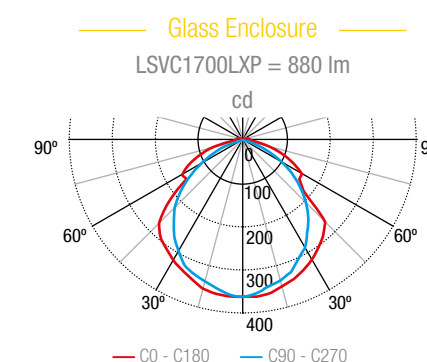
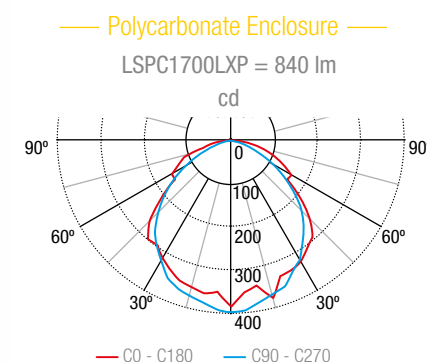
EMERGENCY (Polycarbonate Enclosure)

LSPC1700LXP = 840 lm								
Mounting Height	0.5 lux				1 lux			
	↔ ↔ ↔	↔ ↔ ↔	↔ ↔ ↔	↔ ↔ ↔	↔ ↔ ↔	↔ ↔ ↔	↔ ↔ ↔	↔ ↔ ↔
2.0 m	4.35 m	10.71 m	8.92 m	3.77 m	4.35 m	10.71 m	8.92 m	3.77 m
2.5 m	5.43 m	13.39 m	11.15 m	4.72 m	5.43 m	13.39 m	11.15 m	4.72 m
3.0 m	6.52 m	16.07 m	13.38 m	5.66 m	6.31 m	15.56 m	13.16 m	5.56 m
3.5 m	7.61 m	18.75 m	15.61 m	6.61 m	6.71 m	16.54 m	14.34 m	6.02 m
4.0 m	8.68 m	21.42 m	17.84 m	7.55 m	7.05 m	17.42 m	15.41 m	6.43 m
4.5 m	9.10 m	22.47 m	19.23 m	8.11 m	7.15 m	18.24 m	16.38 m	6.78 m

EMERGENCY (Glass Enclosure)

LSVC1700LXP = 880 lm								
Mounting Height	0.5 lux				1 lux			
	↔ ↔ ↔	↔ ↔ ↔	↔ ↔ ↔	↔ ↔ ↔	↔ ↔ ↔	↔ ↔ ↔	↔ ↔ ↔	↔ ↔ ↔
2.0 m	4.36 m	10.77 m	9.05 m	3.81 m	4.36 m	10.77 m	9.05 m	3.81 m
2.5 m	5.45 m	13.46 m	11.31 m	4.76 m	5.45 m	13.46 m	11.31 m	4.76 m
3.0 m	6.55 m	16.16 m	13.58 m	5.72 m	6.32 m	15.61 m	13.21 m	5.55 m
3.5 m	7.64 m	18.85 m	15.84 m	6.67 m	6.74 m	16.70 m	14.37 m	5.99 m
4.0 m	8.68 m	21.47 m	18.09 m	7.61 m	7.10 m	17.67 m	15.43 m	6.38 m
4.5 m	9.12 m	22.62 m	19.29 m	8.09 m	7.27 m	18.53 m	16.39 m	6.72 m

PHOTOMETRIC GUIDE



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

ACCESSORIES *



CAM001
Ringbolt for
suspended mounting



APS600
(under request)



BRD001
Flange for surface
ceiling mounting



PSA001
Cable gland

(*) not included with the luminaires





ZEMPER

THE EMERGENCY LIGHTING SPECIALIST



Entirely designed and
manufactured in **Spain**



**The Zemper Way
to a Better World**

Catalog printed on recycled paper, with mineral oil-free inks. Up to 90% less water consumption and 50% less energy.



ZEMPER
THE EMERGENCY LIGHTING SPECIALIST

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