

**ZEMPER**

# EMERGENCY LIGHTING

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**ZEMPER**

THE EMERGENCY LIGHTING SPECIALIST



# ICONOGRAPHY

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	Mounting Type		Body Material		Optic
	IP Rating		IK Rating		Lumen Output Range
	Battery Duration		Charging time		Supply Voltage & Frequency
	LED temperature		Working temperature		AutoTest



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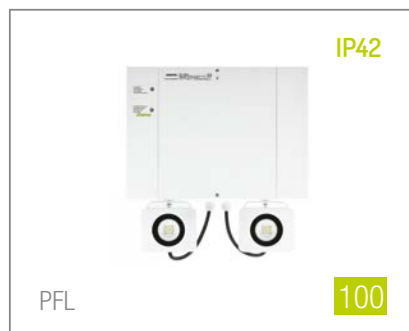
74



IP42

T-LED

80





# ZEMPER

THE EMERGENCY LIGHTING SPECIALIST

The Zemper range of luminaires is designed, manufactured and distributed by Zemper, a subsidiary of the FW Thorpe Plc group. FW Thorpe is listed on the London Stock Exchange. See the corporate website at: [www.fwthorpe.co.uk](http://www.fwthorpe.co.uk)

## Other Companies within FW Thorpe Group







## Zemper in the world

### Spain

Ciudad Real: Headquarters.  
Barcelona: Showroom and facilities.  
Madrid: Showroom and facilities.

### Zemper France

Zemper BeLux  
Zemper UK

Commercial branches:  
Morocco and Colombia.



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 6-year warranty including batteries.



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



## Production plant

Zemper owns the complete production cycle for emergency luminaires.

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

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

**Factory:** 10,000 m<sup>2</sup>

**Production Plant:** 6,000 m<sup>2</sup>

**Luminaire capacity:** 2.5 million units/year



**VISIT OUR FACTORY**





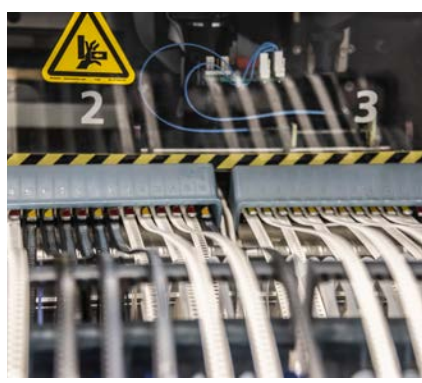
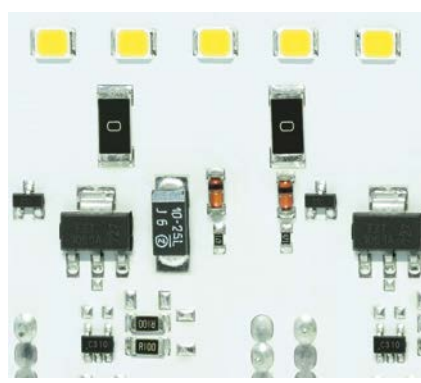
## SMD Room

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.

**3,000,000**  
**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.



# COMPANY CERTIFICATIONS



Zemper ISO 9001:2015 Certification

ISO 9001:2015 specifies the criteria for a company-wide quality management system. Using ISO 9001:2015 helps Zemper ensure that its customers get consistently good quality products and services.



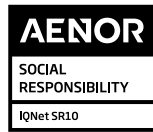
Zemper ISO 14001:2015 Certification

ISO 14001:2015 sets out the criteria for an effective environmental management system. Being certified to ISO 14001:2015 assures customers that Zemper measures and reduces its environmental impacts and complies with environmental legislation.



Zemper ISO 45001:2018 Certification

ISO 45001:2018 is an International Standard that specifies requirements for an occupational health and safety (OH&S) management system, with guidance for its use, to enable an organisation to proactively improve its OH&S performance in preventing injury and ill-health.



Zemper IQNet SR10 Certification

IQNet SR10: is an international management and improvement standard that gathers the best international practices and recommendations regarding social responsibility, such as those established in ISO 26000.

In an increasingly competitive and globalised world, organisations are becoming more and more aware of their active role in generating wealth, employment, quality products and services, as well as other benefits for their shareholders, customers, employees, suppliers and other stakeholder groups which they work with.

ISO 9001:2015



ISO 14001:2015



ISO 45001:2018



IQNet SR10



# PRODUCT CERTIFICATIONS



COLOMBIA



CNIM



CIVIL DEFENSE



KITEMARK



# DECLARATIONS OF CONFORMITY

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

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





## The Zemper Way to a Better World

# INVESTING FOR THE FUTURE

Given that we already apply circular economy techniques when designing and manufacturing our new products as part of Zemper's commitment to sustainability, it's vital that we have full control over the GHGs (Greenhouse gases) both directly and indirectly generated by our work. That's why Zemper has set itself the goal of studying its carbon footprint and having the resulting measurements certified by an accredited external body, aiming to keep improving at all times and to achieve the "Carbon Neutral" goal set by the Group.

Zemper has already made significant progress in terms of sustainability. The expansion in our certifications, together with the sustainability actions carried out to date, has resulted in recognition by Ecovadis who have awarded us their silver medal as a result of our latest assessment.





# 6 Year Warranty: A genuine warranty with genuine value

INCLUDING BATTERIES

**WARRANTY**

**6**  
YEAR



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

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



# FOCUS ON PROJECTS

## Spain



Real Madrid Football Stadium (Madrid)



Supercomputing Centre (Barcelona)



San Pablo Airport (Sevilla)



Bonanova Tunnel (Barcelona)

## Portugal



Lisbon Metro (Lisbon)



Terceira Island Hospital (Azores)

## Morocco



Mohammed V Passenger Terminal (Casablanca)



City Centre Mall (Tanger)



Hilton Houara Hotel (Tanger)



Arribat Shopping Centre (Rabat)

## Algeria



Houari Boumediene International Airport (Algiers)



EPM Smart Building (Medellin)

## Djibouti



Ambouli International Airport (Djibouti City)

## Cote d'Ivoire



Postel Tower (Abidjan)



Exhibition Centre (Abidjan)



# ZEMPER

Working together on projects  
all over the world

We are present in 5 continents and 30 countries.

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

## France



Le Balthazar Building  
(Saint Denis)



X Renault Building  
(Billancourt)

## Norway



Rortunet (Oslo)

## Austria



Brandbox (Salzburg)

## Belgium



ZNA Hospital (Antwerp)



Brussels Airport (Brussels)



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



New Town Hall  
(Hasselt)



Radisson Blu Hotel  
(Bruges)



Offices in a culture hall  
Tour & Taxi (Brussels)



Technical School  
(Antwerp)



HQ Bankcompagny BNP  
(Brussels)



Red Devils Football  
Training Center (Tubeke)

## Alya range is a disruptive concept in emergency lighting luminaires

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

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



Alya

Alya family is composed of three types of luminaires:



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



· **Walya:** Wall mounted luminaire



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

# ALYA RANGE

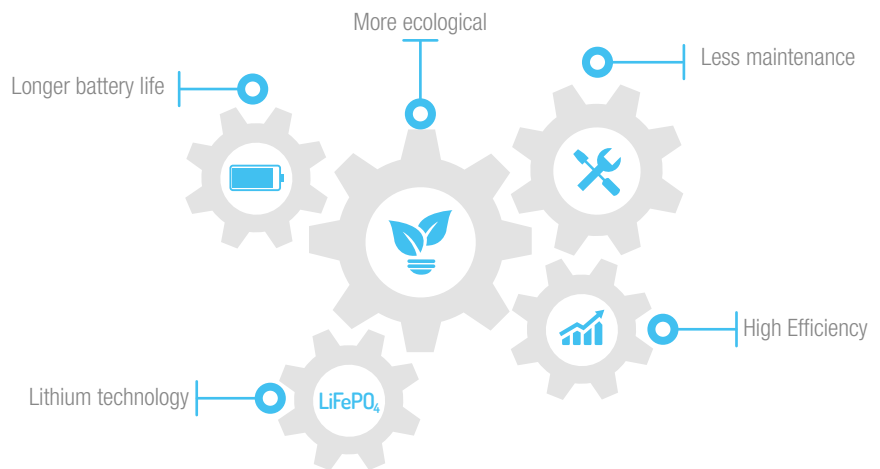


Walya

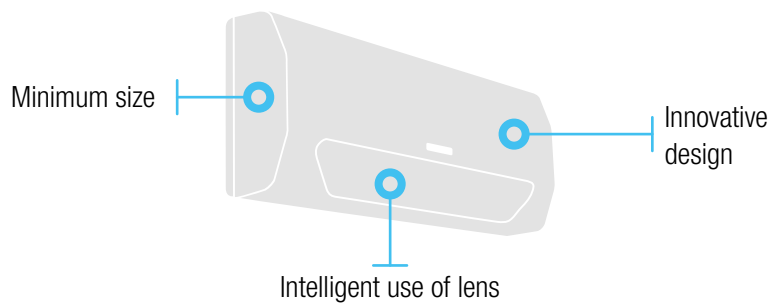
# ALYA RANGE ADVANTAGES



sustainable



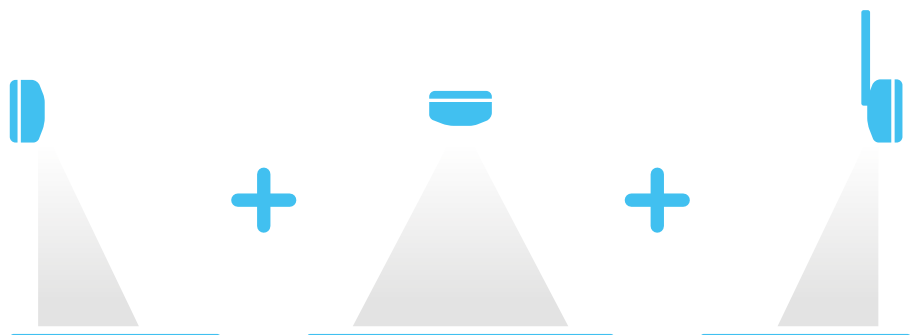
design



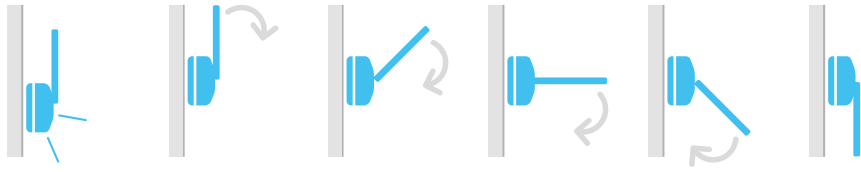
Minimalist design and perfect integration



optics



Optimisation. Optics for different objectives

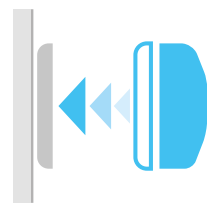


100% flexible



exit sign

Easy and quick installation



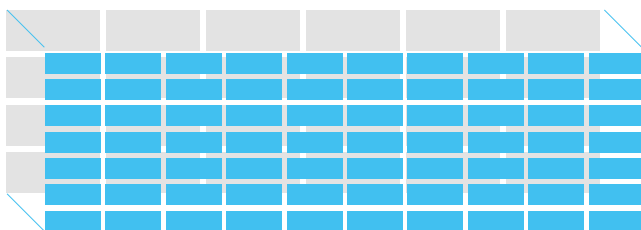
Base Plate

Luminaire

Just a "click"



quick installation



3x

up to 60% more luminaires  
in the same space



easy storage



Real size



Surface



Recessed



Recessed

# ALYA

## SPECIFICATION

Wall	Surface	x
	Recessed	x
Ceiling	Surface	✓
	Recessed	✓

Cable entry from rear of the luminaire

Polycarbonate body

Circular Lens + Hall Lens

IP42

IK04

150 lm - 300 lm

Duration: 3 h · Battery: LiFePO<sub>4</sub>

Charging time: 12 h (except LYA3150LC3 24 h)

Supply: 230 V - 50 Hz

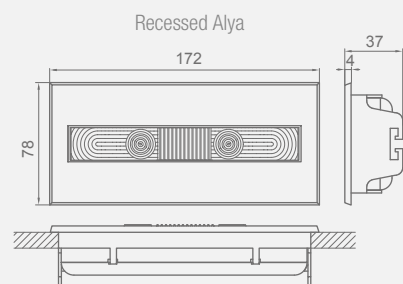
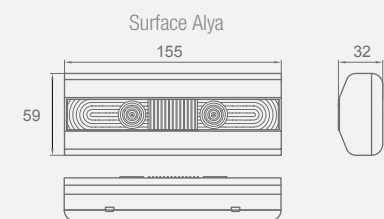
LED temperature: 4000 °K

Working temperature: 0 °C to +40 °C

AutoTest



## DIMENSIONS (mm)



## STANDARDS COMPLIANCE

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

## CERTIFICATIONS





RANGE

	Emergency	Mains	Type*	Dur.	Battery	Part Number
Standard	150 lm		NM	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LYA3150LC3
AutoTest	170 lm		NM	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LYA3200LX3
	300 lm	180 lm	M/NM	3 h	3.2V 3.0A/h LiFePO <sub>4</sub>	LYA3300LXP3
DALI	170 lm	100 lm	M/NM	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LYA3200LAP3
	300 lm	180 lm	M/NM	3 h	3.2V 3.0A/h LiFePO <sub>4</sub>	LYA3300LAP3

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

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

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

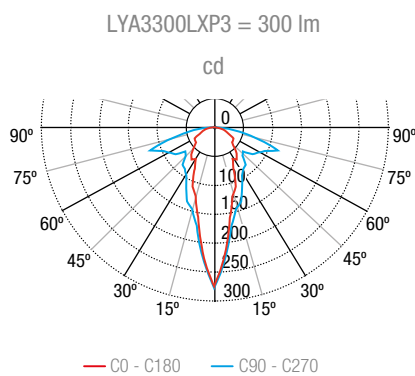
The recessed frame should be ordered as accessory with part number AMY0011N (black) or AMY0011 (white)

SPACING TABLE

LYA3300LXP3 = 300 lm

Mounting Height	0.5 lux				1 lux			
	↔↔↔	↔↔↔	↔↔↔	↔↔↔	↔↔↔	↔↔↔	↔↔↔	↔↔↔
2.0 m	2.98 m	7.58 m	11.87 m	4.43 m	2.98 m	7.58 m	11.87 m	4.43 m
2.5 m	3.72 m	9.48 m	14.84 m	5.54 m	3.72 m	9.48 m	14.84 m	5.54 m
3 m	4.47 m	11.37 m	17.81 m	6.65 m	3.93 m	10.60 m	16.47 m	5.79 m
3.5 m	5.21 m	13.27 m	20.78 m	7.76 m	3.99 m	10.98 m	16.71 m	5.71 m
4 m	5.55 m	14.59 m	22.07 m	7.79 m	4.12 m	11.11 m	16.41 m	5.46 m
4.5 m	5.54 m	15.30 m	22.63 m	7.79 m	4.25 m	11.09 m	16.31 m	4.97 m

PHOTOMETRIC GUIDE



ACCESSORIES



AMY0011  
White ceiling recessed accessory



AMY0011N  
Black ceiling recessed accessory



Surface

Real size

# WALYA

## SPECIFICATION

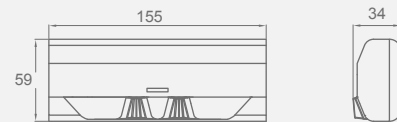
Wall	Surface	✓
	Recessed	x
Ceiling	Surface	x
	Recessed	x

Cable entry from rear of the luminaire

-  Polycarbonate body
-  Circular Lens + Hall Lens
- IP** IP42
- IK** IK04
- lm** 150 lm
-  Duration: 3 h · Battery: LiFePO<sub>4</sub>
-  Charging time: 12 h
-  Supply: 230 V - 50 Hz
- LED** LED temperature: 4000 °K
-  Working temperature: 0 °C to +40 °C
-  AutoTest



## DIMENSIONS (mm)



## STANDARDS COMPLIANCE

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

## CERTIFICATIONS



RANGE

	Emergency	Mains	Type*	Dur.	Battery	Part Number
AutoTest	150 lm		NM	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LYW3150LX3
	150 lm	90 lm	M/NM	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LYW3150LXP3
DALI	150 lm	90 lm	M/NM	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LYW3150LAP3

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

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

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

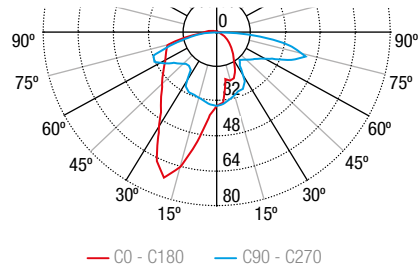
SPACING TABLE

LYW3150LX3 = 150 lm

Mounting Height	0.5 lux				1 lux			
	↔↔↔	↔↔↔	↔↔↔	↔↔↔	↔↔↔	↔↔↔	↔↔↔	↔↔↔
2.0 m	2.22 m	7.96 m	12.27 m	4.57 m	1.80 m	6.39 m	9.07 m	2.88 m
2.5 m	2.42 m	8.63 m	12.80 m	4.24 m	1.86 m	6.86 m	8.96 m	2.52 m
3 m	2.54 m	9.19 m	12.85 m	4.00 m	1.86 m	7.20 m	8.37 m	2.28 m
3.5 m	2.61 m	9.65 m	12.70 m	3.61 m	1.83 m	7.41 m	7.70 m	2.31 m
4 m	2.65 m	10.02 m	12.19 m	3.24 m	1.73 m	7.54 m	6.96 m	2.38 m
4.5 m	2.61 m	10.29 m	11.58 m	3.19 m	1.38 m	7.57 m	6.68 m	2.24 m

PHOTOMETRIC GUIDE

LYW3150LX3 = 150 lm  
cd





# EXITALYA Surface

## SPECIFICATION

Wall	Surface	✓
	Recessed	x
Ceiling	Surface	✓
	Recessed	x

Cable entry from rear of the luminaire

Polycarbonate body

IP42

IK04

Duration: 3 h · Battery: LiFePO<sub>4</sub>

Charging time: 12 h

Supply: 230 V - 50 Hz

LED temperature: 4000 °K

Working temperature: 0 °C to +40 °C

AutoTest



## STANDARDS COMPLIANCE

EN-60598-2-22

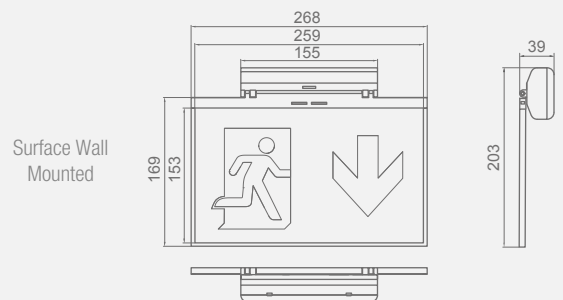
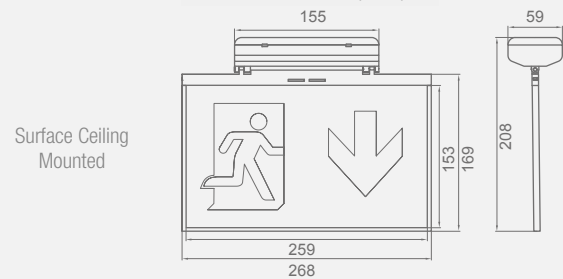
Pictographs: EN ISO7010

AutoTest: EN-62034

Dali: EN 62386



## DIMENSIONS (mm)



## VIEWING DISTANCE



## CERTIFICATIONS



IP

IK



LED





RANGE

	Type*	Dur.	Battery	Part Number
AutoTest	M	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LYE3070LXP3
DALI	M	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LYE3070LAP3

\*M: Maintained.



Wall mounted



Ceiling mounted

## 180° adaptable

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

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



It is supplied with a complete set of pictograms



1 unit x EEP407



1 unit x EEP408



2 units x EEP409



1 unit x EEP406 (white)



# EXITALYA Surface with Downlight

## SPECIFICATION

Wall	Surface	✓
	Recessed	x
Ceiling	Surface	x
	Recessed	x

Cable entry from rear of the luminaire

Polycarbonate body

Sign + Optics: Exit Sign + Circular Lens

IP42

IK04

120 lm

Duration: 3 h · Battery: LiFePO<sub>4</sub>

Charging time: 12 h

Supply: 230 V - 50 Hz

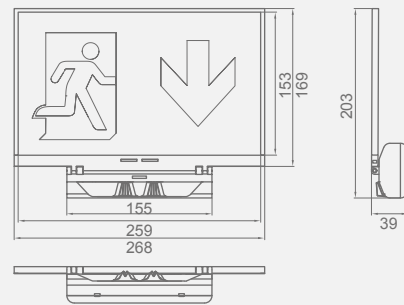
LED temperature: 4000 °K

Working temperature: 0 °C to +40 °C

AutoTest



## DIMENSIONS (mm)



## VIEWING DISTANCE



## STANDARDS COMPLIANCE

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

## CERTIFICATIONS



RANGE

	Emergency	Mains	Type*	Dur.	Battery	Part Number
AutoTest	120 lm	70 lm	M/NM	3 h	3.2V 3.0A/h LiFePO <sub>4</sub>	LYE3120LXP3
DALI	120 lm	70 lm	M/NM	3 h	3.2V 3.0A/h LiFePO <sub>4</sub>	LYE3120LAP3

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

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

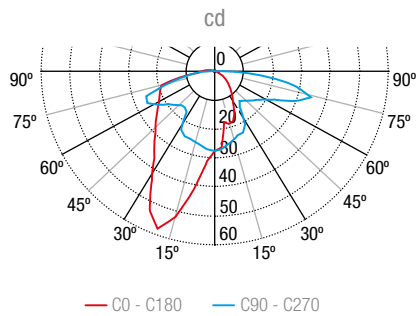
SPACING TABLE

LYE3120LDP3W = 120 lm

Mounting Height	0.5 lux				1 lux			
	↔↔↔	↔↔↔	↔↔↔	↔↔↔	↔↔↔	↔↔↔	↔↔↔	↔↔↔
2.0 m	2.07 m	7.41 m	11.27 m	3.94 m	1.64 m	5.92 m	8.12 m	2.47 m
2.5 m	2.23 m	8.02 m	11.47 m	3.67 m	1.67 m	6.33 m	7.75 m	2.05 m
3 m	2.31 m	8.50 m	11.42 m	3.36 m	1.64 m	6.58 m	7.10 m	2.04 m
3.5 m	2.35 m	8.90 m	11.01 m	2.90 m	1.57 m	6.73 m	6.32 m	2.12 m
4 m	2.33 m	9.19 m	10.38 m	2.86 m	1.27 m	6.77 m	5.99 m	2.01 m
4.5 m	2.31 m	9.39 m	9.63 m	2.94 m	0.64 m	6.77 m	6.01 m	1.50 m

PHOTOMETRIC GUIDE

LYE3120LDP3W = 120 lm



## 180° adaptable

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

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



It is supplied with a complete set of pictograms



1 unit x EEP407



1 unit x EEP408



2 units x EEP409



1 unit x EEP406 (white)



# EXITALYA Recessed

## SPECIFICATION

Wall	Surface	x
	Recessed	✓
Ceiling	Surface	x
	Recessed	✓

Cable entry from rear of the luminaire

Polycarbonate body

IP42

IK04

Duration: 3 h · Battery: LiFePO<sub>4</sub>

Charging time: 12 h

Supply: 230 V - 50 Hz

LED temperature: 4000 °K

Working temperature: 0 °C to +40 °C

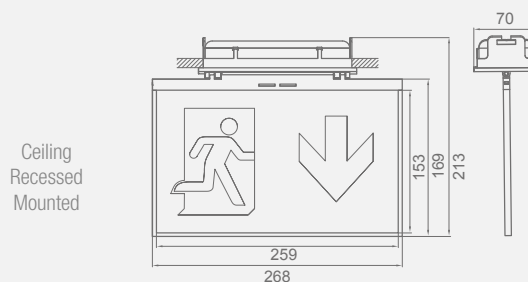
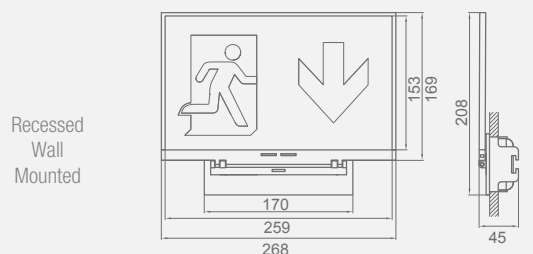
AutoTest



## VIEWING DISTANCE



## DIMENSIONS (mm)



## STANDARDS COMPLIANCE

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

## CERTIFICATIONS





RANGE

	Type*	Dur.	Battery	Part Number
AutoTest	M	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LYR3070LXP3
DALI	M	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LYR3070LAP3

\*M: Maintained.



## 180° adaptable

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

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



It is supplied with a complete set of pictograms



1 unit x EEP407



1 unit x EEP408



2 units x EEP409



1 unit x EEP406 (white)



# EXITALYA Red with Downlight

## SPECIFICATION

Wall	Surface	✓
	Recessed	x
Ceiling	Surface	x
	Recessed	x

Cable entry from rear of the luminaire

Polycarbonate body

Sign + Optics: Exit Sign + Circular Lens

IP42

IK04

120 lm

Duration: 3 h · Battery: LiFePO<sub>4</sub>

Charging time: 12 h

Supply: 230 V - 50 Hz

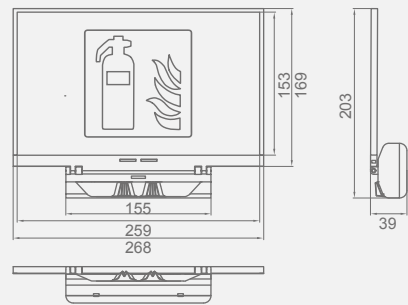
LED temperature: 4000 °K

Working temperature: 0 °C to +40 °C

AutoTest



## DIMENSIONS (mm)



## VIEWING DISTANCE



## STANDARDS COMPLIANCE

EN-60598-2-22

Pictographs: EN ISO7010

AutoTest: EN-62034

Dali: EN 62386

## CERTIFICATIONS



RANGE

	Emergency	Mains	Type*	Dur.	Battery	Part Number
AutoTest	120 lm	70 lm	M/NM	3 h	3.2V 3.0A/h LiFePO <sub>4</sub>	LYE3125LXP3
DALI	120 lm	70 lm	M/NM	3 h	3.2V 3.0A/h LiFePO <sub>4</sub>	LYE3125LAP3

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

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

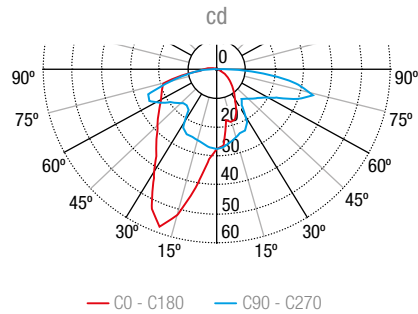
SPACING TABLE

LYE3125LXP3 = 120 lm

Mounting Height	0.5 lux				1 lux			
	↔↔↔	↔↔↔	↔↔↔	↔↔↔	↔↔↔	↔↔↔	↔↔↔	↔↔↔
2.0 m	2.07 m	7.41 m	11.27 m	3.94 m	1.64 m	5.92 m	8.12 m	2.47 m
2.5 m	2.23 m	8.02 m	11.47 m	3.67 m	1.67 m	6.33 m	7.75 m	2.05 m
3 m	2.31 m	8.50 m	11.42 m	3.36 m	1.64 m	6.58 m	7.10 m	2.04 m
3.5 m	2.35 m	8.90 m	11.01 m	2.90 m	1.57 m	6.73 m	6.32 m	2.12 m
4 m	2.33 m	9.19 m	10.38 m	2.86 m	1.27 m	6.77 m	5.99 m	2.01 m
4.5 m	2.31 m	9.39 m	9.63 m	2.94 m	0.64 m	6.77 m	6.01 m	1.50 m

PHOTOMETRIC GUIDE

LYE3125LXP3 = 120 lm



## 180° adaptable

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



It is supplied with a complete set of pictograms



1 unit x EEP410



1 unit x EEP411



1 unit x EEP412



1 unit x EEP406 (white)







# HARENA

## SPECIFICATION

Wall	Surface	✓
	Recessed	x
Ceiling	Surface	✓
	Recessed	x



Polycarbonate body



IP42



IK04



Duration: 3 h · Battery: LiFePO<sub>4</sub>



Charging time: 12 h



Supply: 230 V - 50 Hz



LED temperature: 4000 °K



Working temperature: 0 °C to +40 °C

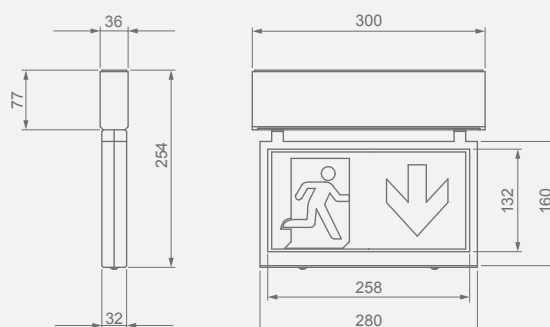


AutoTest

WARRANTY

6  
YEAR

## DIMENSIONS (mm)



## VIEWING DISTANCE



## STANDARDS COMPLIANCE

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

## CERTIFICATIONS

UK  
CA

RANGE

Type*	Dur.	Battery	Part Number
AutoTest	M	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>   LHS3070LXP3

\*M: Maintained.

ACCESSORIES

It is supplied with a complete set of green pictograms



1 unit x EEP021



2 units x EEP026



1 unit x EEP021



1 unit x EEP020





# HARENA with Downlight

## SPECIFICATION

Wall	Surface	✓
	Recessed	x
Ceiling	Surface	✓
	Recessed	x

Polycarbonate body

Circular Lens (LEDs version)

IP42

IK04

120 lm

Duration: 3 h · Battery: LiFePO<sub>4</sub>

Charging time: 12 h

Supply: 230 V - 50 Hz

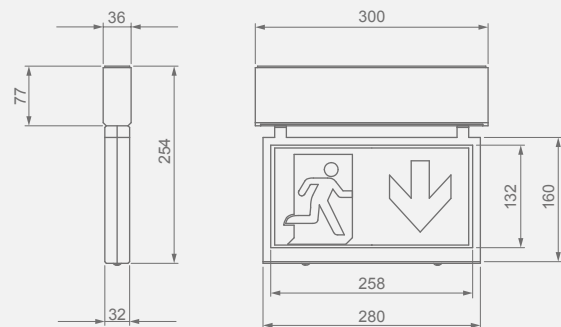
LED temperature: 4000 °K

Working temperature: 0 °C to +40 °C

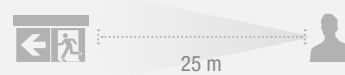
AutoTest



## DIMENSIONS (mm)



## VIEWING DISTANCE



## STANDARDS COMPLIANCE

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

## CERTIFICATIONS





RANGE

	Emer.	Mains	Type*	Dur.	Battery	Part Number
AutoTest	120 lm	70 lm	M	3 h	3.2V 3.0A/h LiFePO <sub>4</sub>	LHS3120LXP3

\*M: Maintained.

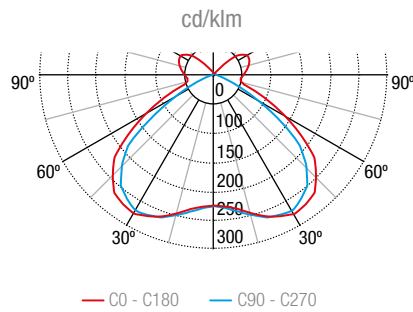
SPACING TABLE

LHS3120LXP3 = 120 lm

Mounting Height	0.5 lux				1 lux			
	↔ □	□ ↔ □	□ ↔ □	□ ↔	↔ □	□ ↔ □	□ ↔ □	□ ↔
2.0 m	3.40 m	8.11 m	7.01 m	3.09 m	2.86 m	6.93 m	6.20 m	2.66 m
2.5 m	3.80 m	9.12 m	8.12 m	3.52 m	3.11 m	7.69 m	7.06 m	2.96 m
3 m	4.11 m	9.99 m	9.09 m	3.88 m	3.22 m	8.30 m	7.77 m	3.06 m
3.5 m	4.35 m	10.75 m	9.93 m	4.17 m	3.21 m	8.77 m	8.34 m	3.08 m
4 m	4.50 m	11.40 m	10.66 m	4.29 m	3.09 m	9.05 m	8.59 m	2.96 m
4.5 m	4.54 m	11.95 m	11.30 m	4.35 m	2.79 m	9.14 m	8.72 m	2.70 m

PHOTOMETRIC GUIDE

LHS3120LXP3 = 120 lm



ACCESSORIES

It is supplied with a complete set of green pictograms



For other pictograms, please see part numbers below



Included



Upon request



Upon request



Upon request



# KONS

## SPECIFICATION

Wall	Surface	✓
	Recessed	x
Ceiling	Surface	✓
	Recessed	x



Polycarbonate body

IP

IP42

IK

IK04



Duration: 3 h · Battery: LiFePO<sub>4</sub>



Charging time: 12 h



Supply: 230 V - 50 Hz

LED

LED temperature: 4000 °K



Working temperature: 0 °C to +40 °C



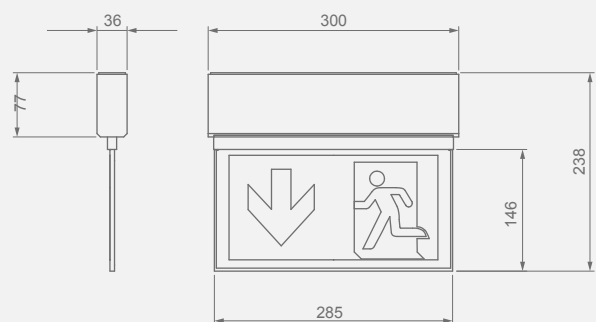
AutoTest



WARRANTY

6  
YEAR

## DIMENSIONS (mm)



## VIEWING DISTANCE



## STANDARDS COMPLIANCE

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

## CERTIFICATIONS



UK  
CA

RANGE

	Type*	Dur.	Battery	Part Number
AutoTest	M	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LKS3070LXP3
	M	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LKW3070LXP3**
DALI	M	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LKS9070LAP3
	M	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LKW9070LAP3**

\*M: Maintained.

\*\*Wire suspended version

ACCESSORIES

It is supplied with a complete set of pictograms



1 unit x EEP032



2 units x EEP030



1 unit x EEP033





Screen- printed pictogram.  
Please refer to range table for part numbers

# SPAZIO SIGN

## SPECIFICATION

Wall	Surface	x
	Recessed	x
Ceiling	Surface	x
	Recessed	✓

Polycarbonate body

IP40

IK04

Duration: 3 h · Battery: LiFePO<sub>4</sub>

Charging time: 12 h

Supply: 230 V - 50 Hz

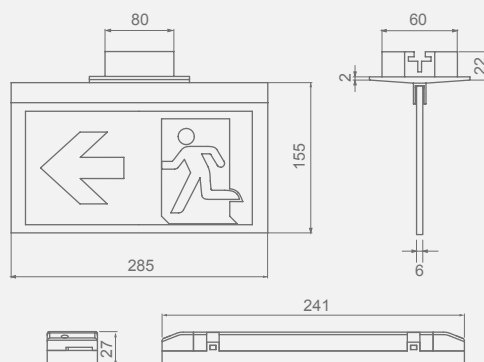
LED temperature: 4000 °K

Working temperature: 0 °C to +40 °C

AutoTest



## DIMENSIONS (mm)



## VIEWING DISTANCE



## STANDARDS COMPLIANCE

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

## CERTIFICATIONS



		RANGE			
	Type*	Pictogram	Dur.	Battery	Part Number
AutoTest	M	Right / Left	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LSS3045LXP3
	M	Up / Down	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LSS3046LXP3
DALI	M	Right / Left	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LSS3045LAP3
	M	Up / Down	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LSS3046LAP3

\*M: Maintained.



Spazio

VS

Spazio Mini  
Spazio Nano

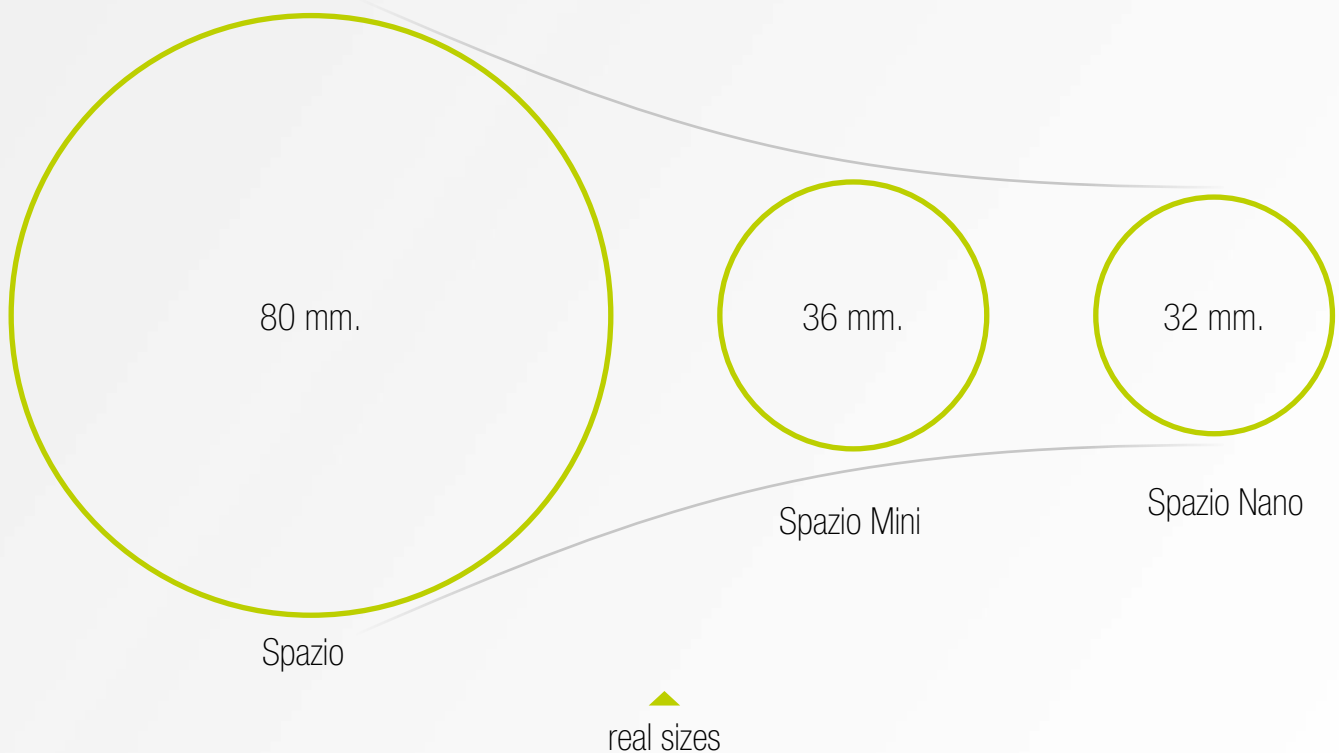


**ZEMPER**

THE EMERGENCY LIGHTING SPECIALIST

# AMAZING

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





Real size



# SPAZIO MINI

Patent Pending

## SPECIFICATION

Wall	Surface	x
	Recessed	x
Ceiling	Surface	x
	Recessed	✓

Polyamide body

Escape route lens - D  
Anti-panic lens - R

IP42

IK04

165 lm

Duration: 3 h · Battery: LiFePO<sub>4</sub>

Charging time: 12 h

Supply: 230 V - 50 Hz

LED temperature: 4000 °K

Working temperature: 0 °C to +40 °C

AutoTest



**WARRANTY**  
**6**  
**YEAR**

## STANDARDS COMPLIANCE

EN-60598-2-22

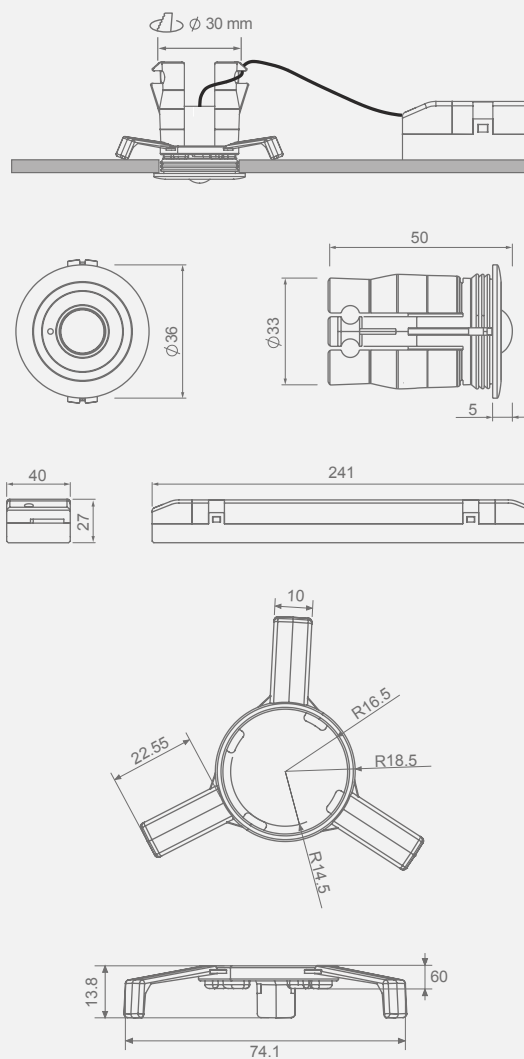
AutoTest: EN-62034

DALI: EN 62386

## 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	Part Number
AutoTest	165 lm	100 lm	M/NM	R	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LMR9170LXP3
	165 lm	100 lm	M/NM	D	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LMR9171LXP3
DALI	165 lm	100 lm	NM	R	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LMR9170LA3
	165 lm	100 lm	NM	D	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LMR9171LA3
	165 lm	100 lm	M/NM	R	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LMR9170LAP3
	165 lm	100 lm	M/NM	D	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LMR9171LAP3

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

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

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

### SPACING TABLE

#### ESCAPE ROUTE LENS

LMR9171LAP3 = 165 lm

Mounting Height	0.5 lux				1 lux			
	⌘ ↔ ○	○ ↔ ○	○ ↔ ○	○ ↔ ⌘	⌘ ↔ ○	○ ↔ ○	○ ↔ ○	○ ↔ ⌘
2.0 m	2.97 m	7.30 m	18.95 m	8.42 m	2.22 m	5.91 m	17.48 m	7.74 m
2.5 m	3.10 m	8.02 m	22.14 m	9.76 m	2.28 m	6.19 m	20.17 m	8.58 m
3 m	3.16 m	8.51 m	25.01 m	10.81 m	2.33 m	6.37 m	22.57 m	9.14 m
3.5 m	3.22 m	8.75 m	27.64 m	11.46 m	2.33 m	6.51 m	23.91 m	9.63 m
4 m	3.27 m	8.94 m	30.06 m	12.04 m	2.22 m	6.59 m	25.00 m	8.30 m
4.5 m	3.32 m	9.07 m	31.52 m	12.56 m	2.09 m	6.61 m	25.99 m	7.87 m

#### ANTI-PANIC LENS

LMR9170LAP3 = 165 lm

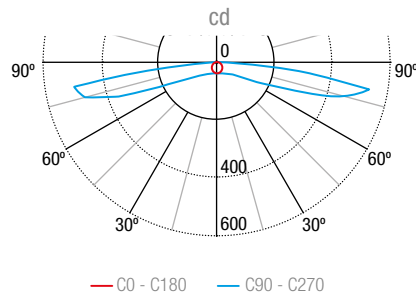
Mounting Height	0.5 lux				1 lux			
	⌘ ↔ ○	○ ↔ ○	○ ↔ ○	○ ↔ ⌘	⌘ ↔ ○	○ ↔ ○	○ ↔ ○	○ ↔ ⌘
2.0 m	4.19 m	10.08 m	10.08 m	4.19 m	3.45 m	8.44 m	8.44 m	3.45 m
2.5 m	4.62 m	11.23 m	11.23 m	4.62 m	3.68 m	9.30 m	9.30 m	3.68 m
3.0 m	4.95 m	12.21 m	12.21 m	4.95 m	3.82 m	9.95 m	9.95 m	3.82 m
3.5 m	5.16 m	13.06 m	13.06 m	5.16 m	3.88 m	10.38 m	10.38 m	3.88 m
4.0 m	5.32 m	13.79 m	13.79 m	5.32 m	3.85 m	10.70 m	10.70 m	3.85 m
4.5 m	5.43 m	14.28 m	14.28 m	5.43 m	3.74 m	10.92 m	10.92 m	3.74 m

# SPAZIO MINI

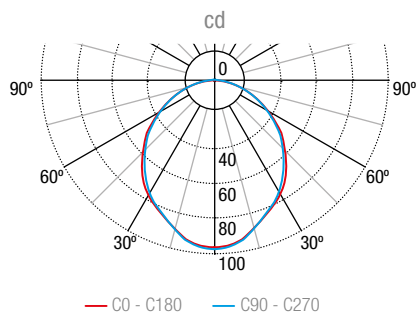
ZEMPER

## PHOTOMETRIC GUIDE

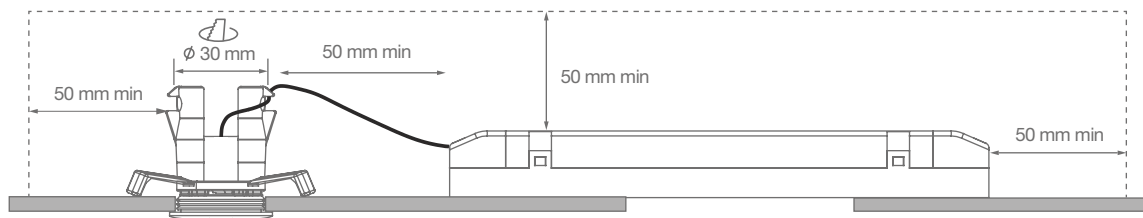
### ESCAPE ROUTE LENS



### ANTI-PANIC LENS



## DIMENSIONS



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

## Emergency luminaire for suspended ceilings





Real size



# SPAZIO NANO

## SPECIFICATION

Wall	Surface	x
	Recessed	x
Ceiling	Surface	x
	Recessed	✓
	Slatted	✓
	Luminaires	✓

Polycarbonate body

Escape route lens - D  
Anti-panic lens - R

IP42 (IP20 installed in slatted ceilings)

IK04

165 lm

Duration: 3 h · Battery: LiFePO<sub>4</sub>

Charging time: 12 h

Supply: 230 V - 50 Hz

LED temperature: 4000 °K

Working temperature: 0 °C to +40 °C

AutoTest



**WARRANTY**  
**6**  
**YEAR**

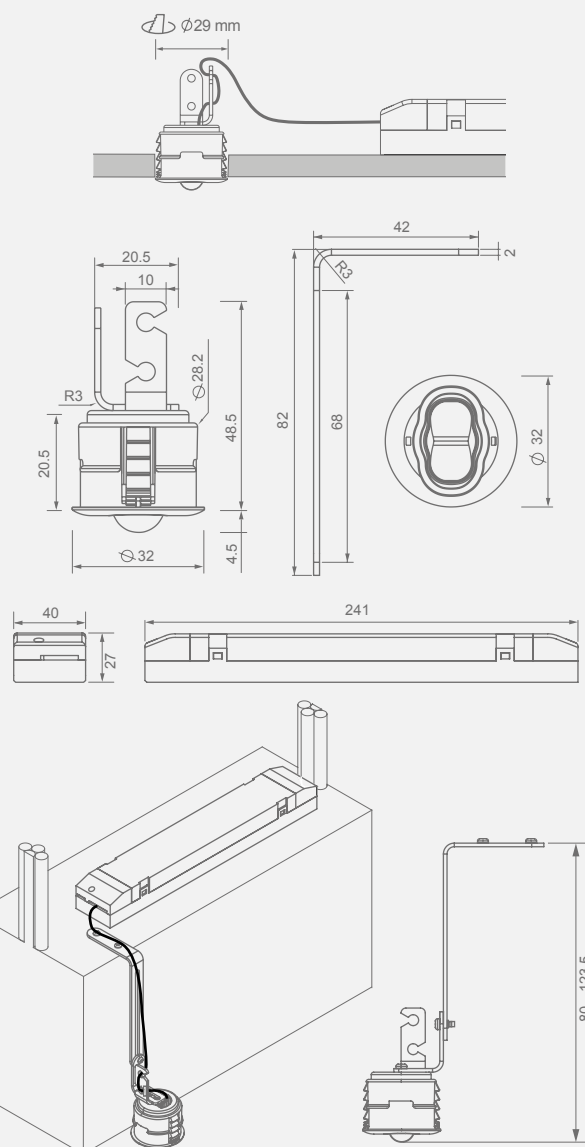
## STANDARDS COMPLIANCE

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

## CERTIFICATIONS



## DIMENSIONS (mm)



RANGE							
	Emergency	Mains	Type*	Lens**	Dur.	Battery	Part Number
AutoTest	165 lm	100 lm	M/NM	R	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LML9170LXP3
	165 lm	100 lm	M/NM	D	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LML9171LXP3
DALI	165 lm	100 lm	NM	R	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LML9170LA3
	165 lm	100 lm	NM	D	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LML9171LA3
	165 lm	100 lm	M/NM	R	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LML9170LAP3
	165 lm	100 lm	M/NM	D	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LML9171LAP3

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

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

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

### SPACING TABLE

#### ESCAPE ROUTE LENS

LML9171LAP3 = 165 lm

Mounting Height	0.5 lux				1 lux			
	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿
2.0 m	2.97 m	7.30 m	18.95 m	8.42 m	2.22 m	5.91 m	17.48 m	7.74 m
2.5 m	3.10 m	8.02 m	22.14 m	9.76 m	2.28 m	6.19 m	20.17 m	8.58 m
3 m	3.16 m	8.51 m	25.01 m	10.81 m	2.33 m	6.37 m	22.57 m	9.14 m
3.5 m	3.22 m	8.75 m	27.64 m	11.46 m	2.33 m	6.51 m	23.91 m	9.63 m
4 m	3.27 m	8.94 m	30.06 m	12.04 m	2.22 m	6.59 m	25.00 m	8.30 m
4.5 m	3.32 m	9.07 m	31.52 m	12.56 m	2.09 m	6.61 m	25.99 m	7.87 m

#### ANTI-PANIC LENS

LML9170LAP3 = 165 lm

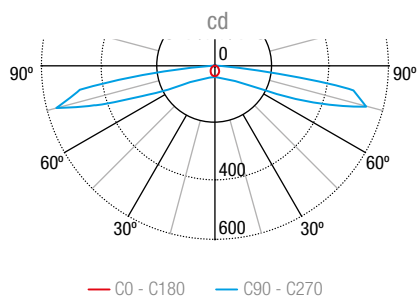
Mounting Height	0.5 lux				1 lux			
	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿
2.0 m	4.19 m	10.08 m	10.08 m	4.19 m	3.45 m	8.44 m	8.44 m	3.45 m
2.5 m	4.62 m	11.23 m	11.23 m	4.62 m	3.68 m	9.30 m	9.30 m	3.68 m
3.0 m	4.95 m	12.21 m	12.21 m	4.95 m	3.82 m	9.95 m	9.95 m	3.82 m
3.5 m	5.16 m	13.06 m	13.06 m	5.16 m	3.88 m	10.38 m	10.38 m	3.88 m
4.0 m	5.32 m	13.79 m	13.79 m	5.32 m	3.85 m	10.70 m	10.70 m	3.85 m
4.5 m	5.43 m	14.28 m	14.28 m	5.43 m	3.74 m	10.92 m	10.92 m	3.74 m

# SPAZIO NANO

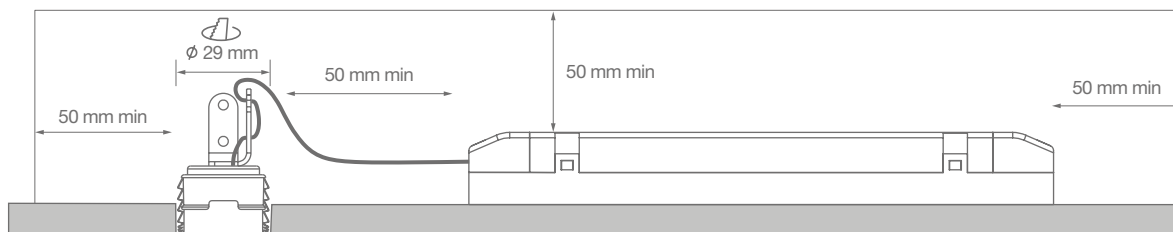
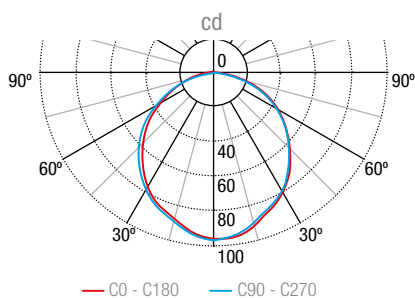
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## PHOTOMETRIC GUIDE

### ESCAPE ROUTE LENS

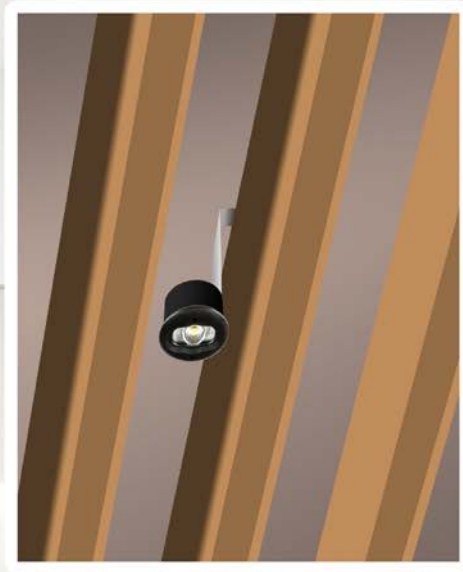


### ANTI-PANIC LENS



**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

Wall	Surface	x
	Recessed	x
Ceiling	Surface	x
	Recessed	✓

Polycarbonate body

Escape route lens - D  
Anti-panic lens - R

IP

IP42

IK

IK04

lm

165 lm



Duration: 3 h · Battery: LiFePO<sub>4</sub>



Charging time: 12 h



Supply: 230 V - 50 Hz

LED

LED temperature: 4000 °K



Working temperature: 0 °C to +40 °C

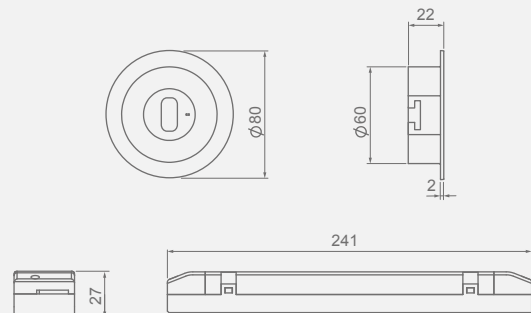


AutoTest



## DIMENSIONS (mm)

Spazio LSR



## STANDARDS COMPLIANCE

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

## CERTIFICATIONS







Real size



# SPAZIO Q

## SPECIFICATION

Wall	Surface	x
	Recessed	x
Ceiling	Surface	x
	Recessed	✓

Polycarbonate body

Escape route lens - D  
Anti-panic lens - R

IP42

IK04

165 lm

Duration: 3 h · Battery: LiFePO<sub>4</sub>

Charging time: 12 h

Supply: 230 V - 50 Hz

LED temperature: 4000 °K

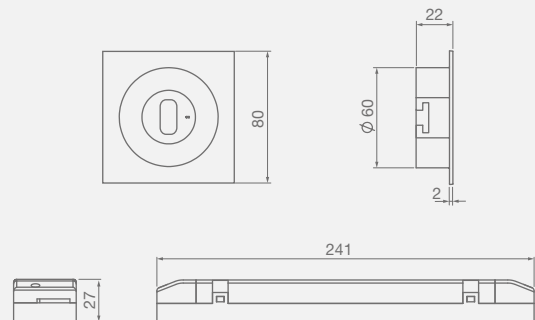
Working temperature: 0 °C to +40 °C

AutoTest



## DIMENSIONS (mm)

Spazio LSQ



## STANDARDS COMPLIANCE

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

## CERTIFICATIONS



# SPAZIO Q/R

ZEMPER

## RANGE



SPAZIO R - Round

	Emergency	Mains	Type*	Lens**	Dur.	Battery	Part Number
AutoTest	165 lm		NM	R	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LSR3170LX3
	165 lm		NM	D	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LSR3171LX3
	165 lm	100 lm	M/NM	R	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LSR3170LXP3
	165 lm	100 lm	M/NM	D	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LSR3171LXP3
DALI	165 lm	100 lm	NM	R	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LSR9170LA3
	165 lm	100 lm	NM	D	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LSR9171LA3
	165 lm	100 lm	M/NM	R	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LSR9170LAP3
	165 lm	100 lm	M/NM	D	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LSR9171LAP3



SPAZIO Q - Square

	Emergency	Mains	Type*	Lens**	Dur.	Battery	Part Number
AutoTest	165 lm		NM	R	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LSQ3170LX3
	165 lm		NM	D	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LSQ3171LX3
	165 lm	100 lm	M/NM	R	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LSQ3170LXP3
	165 lm	100 lm	M/NM	D	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LSQ3171LXP3
DALI	165 lm	100 lm	NM	R	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LSQ9170LA3
	165 lm	100 lm	NM	D	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LSQ9171LA3
	165 lm	100 lm	M/NM	R	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LSQ9170LAP3
	165 lm	100 lm	M/NM	D	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LSQ9171LAP3

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

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

\*\*R: Round Lens (Anti-panic)

\*\*D: Corridor Lens (Escape route)

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

SPACING TABLES

ESCAPE ROUTE LENS

LSQ3171LX3 = 165 lm

Mounting Height	0.5 lux				1 lux			
	↔↔↔↔	↔↔↔↔	↔↔↔↔	↔↔↔↔	↔↔↔↔	↔↔↔↔	↔↔↔↔	↔↔↔↔
2.0 m	2.97 m	7.30 m	18.95 m	8.42 m	2.22 m	5.91 m	17.48 m	7.74 m
2.5 m	3.10 m	8.02 m	22.14 m	9.76 m	2.28 m	6.19 m	20.17 m	8.58 m
3 m	3.16 m	8.51 m	25.01 m	10.81 m	2.33 m	6.37 m	22.57 m	9.14 m
3.5 m	3.22 m	8.75 m	27.64 m	11.46 m	2.33 m	6.51 m	23.91 m	9.63 m
4 m	3.27 m	8.94 m	30.06 m	12.04 m	2.22 m	6.59 m	25.00 m	8.30 m
4.5 m	3.32 m	9.07 m	31.52 m	12.56 m	2.09 m	6.61 m	25.99 m	7.87 m

ANTI-PANIC LENS

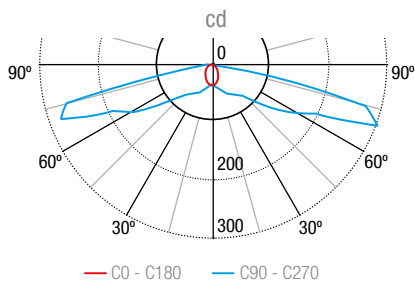
LSQ3170LX3 = 165 lm

Mounting Height	0.5 lux				1 lux			
	↔↔↔↔	↔↔↔↔	↔↔↔↔	↔↔↔↔	↔↔↔↔	↔↔↔↔	↔↔↔↔	↔↔↔↔
2.0 m	4.19 m	10.08 m	10.08 m	4.19 m	3.45 m	8.44 m	8.44 m	3.45 m
2.5 m	4.62 m	11.23 m	11.23 m	4.62 m	3.68 m	9.30 m	9.30 m	3.68 m
3.0 m	4.95 m	12.21 m	12.21 m	4.95 m	3.82 m	9.95 m	9.95 m	3.82 m
3.5 m	5.16 m	13.06 m	13.06 m	5.16 m	3.88 m	10.38 m	10.38 m	3.88 m
4.0 m	5.32 m	13.79 m	13.79 m	5.32 m	3.85 m	10.70 m	10.70 m	3.85 m
4.5 m	5.43 m	14.28 m	14.28 m	5.43 m	3.74 m	10.92 m	10.92 m	3.74 m

PHOTOMETRIC GUIDES

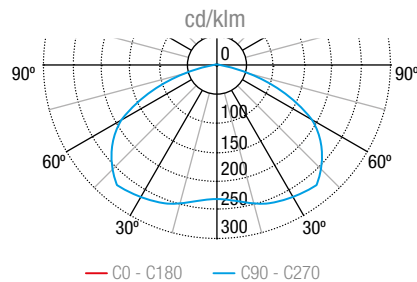
ESCAPE ROUTE LENS

LSR3171LX3 = 165 lm



ANTI-PANIC LENS

LSR3170LX3 = 165 lm



ACCESSORIES



Screen printed (Spazio Q/R)



ABX1741



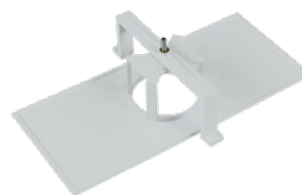
ABX1741



ABX1841



ABX1941



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



Real size



# SPAZIO ON

## SPECIFICATION

Wall	Surface	✓
	Recessed	✓
Ceiling	Surface	✓
	Recessed	✓

Polycarbonate body

Escape route lens - D

Anti-panic lens - R

Asymmetrical wall lens - W

IP

IP42

IK

IK04

lm

165 lm



Duration: 3 h · Battery: LiFePO<sub>4</sub>



Charging time: 12 h



Supply: 230 V - 50 Hz

LED

LED temperature: 4000 °K



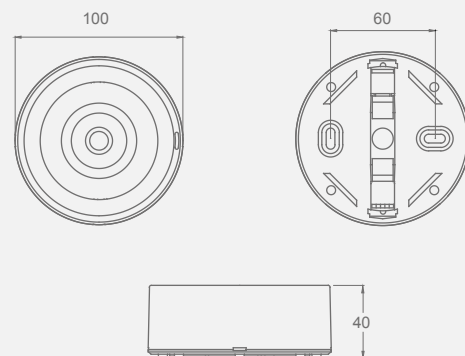
Working temperature: 0 °C to +40 °C



AutoTest



## DIMENSIONS (mm)



## STANDARDS COMPLIANCE

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

## CERTIFICATIONS



RANGE

	Emergency	Mains	Type*	Lens**	Dur.	Battery	Part Number
AutoTest	165 lm	100 lm	M/NM	R	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LSM3170LXP3
	165 lm	100 lm	M/NM	D	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LSM3171LXP3
	165 lm	100 lm	M/NM	W	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LSM3172LXP3
DALI	165 lm	100 lm	M/NM	R	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LSM3170LAP3
	165 lm	100 lm	M/NM	D	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LSM3171LAP3
	165 lm	100 lm	M/NM	W	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LSM3172LAP3

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

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

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

SPACING TABLE

**ESCAPE ROUTE LENS**

LSM3171LXP3 = 165 lm

Mounting Height	0.5 lux				1 lux			
	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿
2.0 m	2.72 m	6.17 m	17.37 m	7.66 m	2.37 m	5.45 m	16.06 m	7.09 m
2.5 m	3.13 m	7.09 m	20.27 m	8.91 m	2.54 m	6.27 m	18.52 m	8.15 m
3 m	3.42 m	8.01 m	22.89 m	10.05 m	2.48 m	6.85 m	20.82 m	9.09 m
3.5 m	3.58 m	8.81 m	25.36 m	11.09 m	2.41 m	7.16 m	22.91 m	9.94 m
4 m	3.56 m	9.49 m	27.69 m	12.04 m	2.28 m	7.12 m	24.83 m	9.80 m
4.5 m	3.49 m	9.87 m	29.86 m	12.92 m	2.08 m	6.98 m	26.61 m	8.69 m

**ANTI-PANIC LENS**

LSM3170LXP3 = 165 lm

Mounting Height	0.5 lux				1 lux			
	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿
2.0 m	3.67 m	8.32 m	8.32 m	3.67 m	3.22 m	7.41 m	7.41 m	3.22 m
2.5 m	4.21 m	9.66 m	9.66 m	4.21 m	3.64 m	8.47 m	8.47 m	3.64 m
3.0 m	4.69 m	10.82 m	10.82 m	4.69 m	3.97 m	9.43 m	9.43 m	3.97 m
3.5 m	5.10 m	11.87 m	11.87 m	5.10 m	4.23 m	10.25 m	10.25 m	4.23 m
4.0 m	5.45 m	12.86 m	12.86 m	5.45 m	4.41 m	10.95 m	10.95 m	4.41 m
4.5 m	5.74 m	13.75 m	13.75 m	5.74 m	4.53 m	11.53 m	11.53 m	4.53 m

**ASYMMETRICAL WALL LENS**

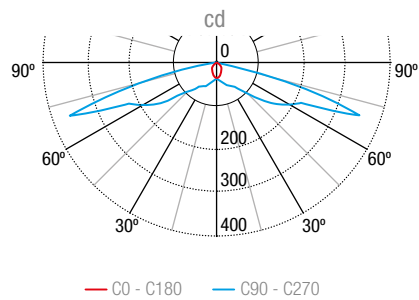
LSM3172LXP3 = 165 lm

Mounting Height	0.5 lux				1 lux			
	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿
2.0 m	3.13 m	7.31 m	9.79 m	4.64 m	2.73 m	6.40 m	8.17 m	3.89 m
2.5 m	3.56 m	8.33 m	10.90 m	5.18 m	3.14 m	7.30 m	9.03 m	4.31 m
3.0 m	4.02 m	9.35 m	11.87 m	5.66 m	3.46 m	8.17 m	9.69 m	4.61 m
3.5 m	4.41 m	10.24 m	12.71 m	6.07 m	3.71 m	8.95 m	10.22 m	4.85 m
4.0 m	4.76 m	11.10 m	13.42 m	6.39 m	3.87 m	9.64 m	10.60 m	5.03 m
4.5 m	5.04 m	11.95 m	14.00 m	6.66 m	3.89 m	10.15 m	10.88 m	5.14 m

## PHOTOMETRIC GUIDE

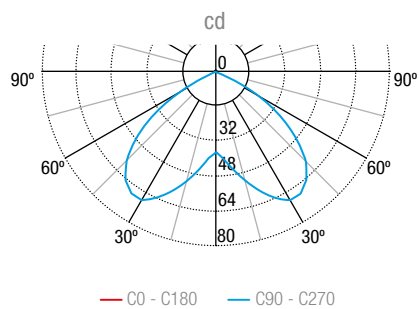
### ESCAPE ROUTE LENS

LSM3171LXP3 = 165 lm



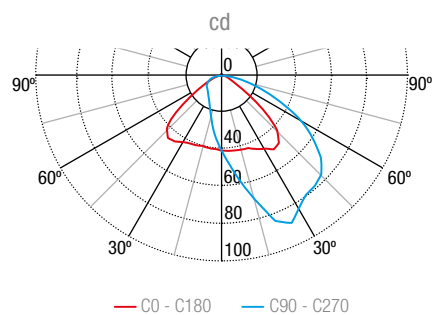
### ANTI-PANIC LENS

LSM3170LXP3 = 165 lm



### ASYMMETRICAL WALL LENS

LSM3172LXP3 = 165 lm







Real size



# SPAZIO PLUS



## SPECIFICATION

Wall	Surface	✓
	Recessed	✓
Ceiling	Surface	✓
	Recessed	✓

Polycarbonate body

Escape route lens  
Anti-panic lens  
Asymmetrical wall lens

IP42

IK04

165 lm

Duration: 3 h · Battery: LiFePO<sub>4</sub>

Charging time: 12 h

Supply: 230 V - 50 Hz

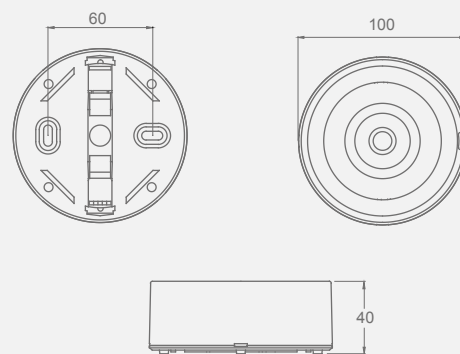
LED temperature: 4000 °K

Working temperature: 0 °C to +40 °C

AutoTest



## DIMENSIONS (mm)



## STANDARDS COMPLIANCE

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

## CERTIFICATIONS





RANGE

	Emergency	Mains	Type*	Dur.	Battery	Part Number
AutoTest	165 lm	100 lm	M/NM	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LSP3175LXP3
DALI	165 lm	100 lm	M/NM	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LSP3175LAP3

\*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**

LSP3175LXP3 = 165 lm

Mounting Height	0.5 lux				1 lux			
	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿
2.0 m	2.72 m	6.17 m	17.37 m	7.66 m	2.37 m	5.45 m	16.06 m	7.09 m
2.5 m	3.13 m	7.09 m	20.27 m	8.91 m	2.54 m	6.27 m	18.52 m	8.15 m
3 m	3.42 m	8.01 m	22.89 m	10.05 m	2.48 m	6.85 m	20.82 m	9.09 m
3.5 m	3.58 m	8.81 m	25.36 m	11.09 m	2.41 m	7.16 m	22.91 m	9.94 m
4 m	3.56 m	9.49 m	27.69 m	12.04 m	2.28 m	7.12 m	24.83 m	9.80 m
4.5 m	3.49 m	9.87 m	29.86 m	12.92 m	2.08 m	6.98 m	26.61 m	8.69 m

**ANTI-PANIC LENS**

LSP3175LXP3 = 165 lm

Mounting Height	0.5 lux				1 lux			
	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿
2.0 m	3.67 m	8.32 m	8.32 m	3.67 m	3.22 m	7.41 m	7.41 m	3.22 m
2.5 m	4.21 m	9.66 m	9.66 m	4.21 m	3.64 m	8.47 m	8.47 m	3.64 m
3.0 m	4.69 m	10.82 m	10.82 m	4.69 m	3.97 m	9.43 m	9.43 m	3.97 m
3.5 m	5.10 m	11.87 m	11.87 m	5.10 m	4.23 m	10.25 m	10.25 m	4.23 m
4.0 m	5.45 m	12.86 m	12.86 m	5.45 m	4.41 m	10.95 m	10.95 m	4.41 m
4.5 m	5.74 m	13.75 m	13.75 m	5.74 m	4.53 m	11.53 m	11.53 m	4.53 m

**ASYMMETRICAL WALL LENS**

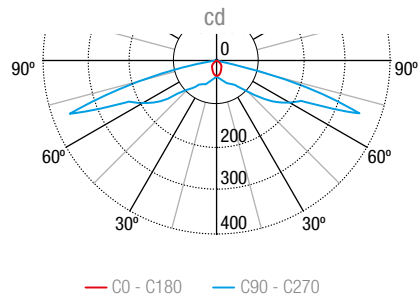
LSP3175LXP3 = 165 lm

Mounting Height	0.5 lux				1 lux			
	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿
2.0 m	3.13 m	7.31 m	9.79 m	4.64 m	2.73 m	6.40 m	8.17 m	3.89 m
2.5 m	3.56 m	8.33 m	10.90 m	5.18 m	3.14 m	7.30 m	9.03 m	4.31 m
3.0 m	4.02 m	9.35 m	11.87 m	5.66 m	3.46 m	8.17 m	9.69 m	4.61 m
3.5 m	4.41 m	10.24 m	12.71 m	6.07 m	3.71 m	8.95 m	10.22 m	4.85 m
4.0 m	4.76 m	11.10 m	13.42 m	6.39 m	3.87 m	9.64 m	10.60 m	5.03 m
4.5 m	5.04 m	11.95 m	14.00 m	6.66 m	3.89 m	10.15 m	10.88 m	5.14 m

PHOTOMETRIC GUIDE

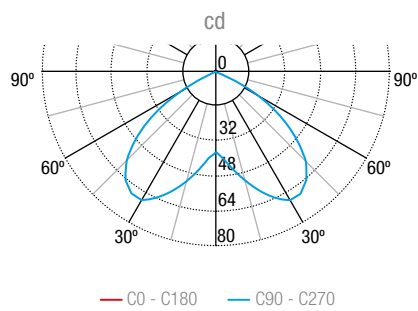
### ESCAPE ROUTE LENS

LSP3175LXP3 = 165 lm



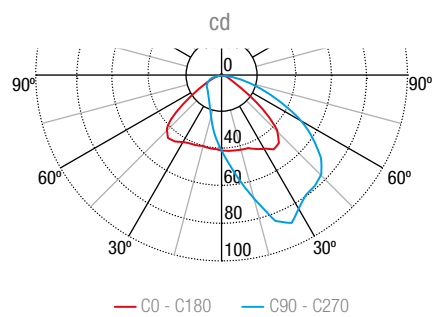
### ANTI-PANIC LENS

LSP3175LXP3 = 165 lm



### ASYMMETRICAL WALL LENS

LSP3175LXP3 = 165 lm





ACCESSORIES

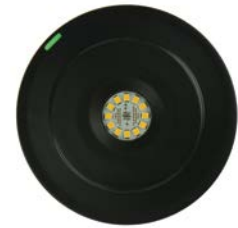
INTERCHANGEABLE LENS



Supplied with luminaire  
ANTI-PANIC LENS and ESCAPE ROUTE LENS



ALP0012  
ASYMMETRICAL WALL LENS



Real size

# SPAZIO LUZ

## SPECIFICATION

Wall	Surface	✓
	Recessed	✓
Ceiling	Surface	✓
	Recessed	✓

Polycarbonate body

Diffuser: Transparent Polycarbonate

IP42

IK04

150 lm - 170 lm

Duration: 3 h · Battery: LiFePO<sub>4</sub>

Charging time: 12 h

Supply: 230 V - 50 Hz

LED temperature: 4000 °K

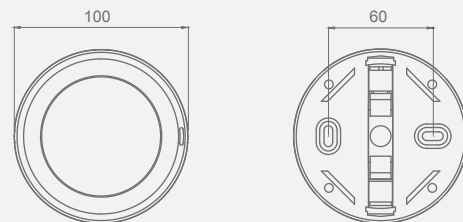
Working temperature: 0 °C to +40 °C

Standard

AutoTest



## DIMENSIONS (mm)



## STANDARDS COMPLIANCE

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

## CERTIFICATIONS



RANGE

	Emergency	Mains	Type*	Dur.	Battery	Part Number
Standard	150 lm	90 lm	M/NM	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LUZ3150LXP3**
	170 lm	100 lm	M/NM	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LUZ4150LCP3***
AutoTest	150 lm	90 lm	M/NM	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LUZ4150LXP3
DALI	150 lm	90 lm	M/NM	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LUZ4150LAP3

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

\*\* Opal polycarbonate diffuser

\*\*\* Transparent polycarbonate diffuser

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

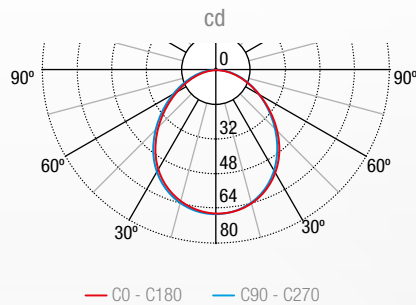
SPACING TABLE

LUZ4150LCP3 = 170 lm

Mounting Height	0.5 lux				1 lux			
	⦿↔⦿	⦿↔⦿	⦿↔⦿	⦿↔⦿	⦿↔⦿	⦿↔⦿	⦿↔⦿	⦿↔⦿
2.0 m	3.85 m	9.26 m	9.29 m	3.82 m	3.16 m	7.70 m	7.72 m	3.14 m
2.5 m	4.23 m	10.27 m	10.29 m	4.20 m	3.42 m	8.46 m	8.47 m	3.40 m
3 m	4.54 m	11.13 m	11.15 m	4.51 m	3.61 m	9.08 m	9.08 m	3.58 m
3.5 m	4.80 m	11.87 m	11.89 m	4.76 m	3.73 m	9.58 m	9.58 m	3.70 m
4 m	5.00 m	12.52 m	12.53 m	4.96 m	3.80 m	9.98 m	9.98 m	3.77 m
4.5 m	5.16 m	13.07 m	13.08 m	5.11 m	3.81 m	10.29 m	10.29 m	3.77 m

PHOTOMETRIC GUIDE

LUZ4150LCP3 = 170 lm





# ACCESSORIES SPAZIO ON, PLUS AND LUZ



ALP0012  
Asymmetric



ALQ0011  
Square recessed frame



ALC0011  
Round recessed frame



ALE0065  
Kit IP65



ALB0011\*  
Ceiling signage with  
recessed round frame



ALX0011\*  
Ceiling signage with  
recessed square frame



ALT0011  
Flexible input kit  
for surface pipe



ALS0011\*  
Signage surface ceiling



ALP0011\*  
Signage surface wall

\* Set of pictographs included



2 units x EEP091



2 units x EEP092



1 unit x EEP094



# SPAZIO OUTDOOR



## SPECIFICATION

Wall	Surface	✓
	Recessed	x
Ceiling	Surface	✓
	Recessed	x

Polycarbonate body

Diffuser: Transparent Polycarbonate

IP65

IK10

170 lm

Duration: 3 h · Battery: LiFePO<sub>4</sub>

Charging time: 24 h.

Supply: 230 V - 50 Hz

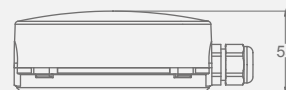
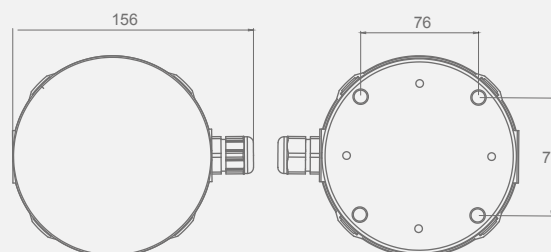
LED temperature: 4000 °K

Working temperature: -10 °C to +40 °C

AutoTest



## DIMENSIONS (mm)



## STANDARDS COMPLIANCE

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

## CERTIFICATIONS



IP

IK

lm



LED





RANGE



	Emergency	Mains	Type*	Dur.	Battery	Part Number
AutoTest	170 lm	100 lm	M/NM	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LUT4170LXP3
DALI	170 lm	100 lm	M/NM	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LUT4170LAP3

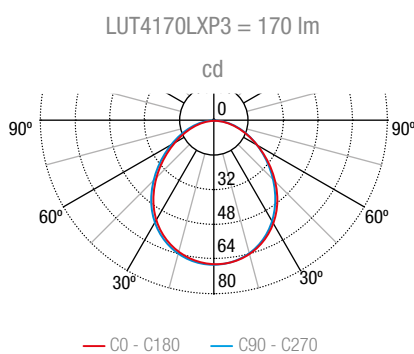
\*M/NM: Maintained/Non Maintained. With a third terminal which allows to switch off/on the Maintained mode when connected to mains supply.  
For version in black colour, add an 'N' at the end of the part number.

SPACING TABLE

LUT4170LXP3 = 170 lm

Mounting Height	0.5 lux				1 lux			
	↔↔↔	↔↔↔	↔↔↔	↔↔↔	↔↔↔	↔↔↔	↔↔↔	↔↔↔
2.0 m	3.85 m	9.26 m	9.29 m	3.82 m	3.16 m	7.70 m	7.72 m	3.14 m
2.5 m	4.23 m	10.27 m	10.29 m	4.20 m	3.42 m	8.46 m	8.47 m	3.40 m
3 m	4.54 m	11.13 m	11.15 m	4.51 m	3.61 m	9.08 m	9.08 m	3.58 m
3.5 m	4.80 m	11.87 m	11.89 m	4.76 m	3.73 m	9.58 m	9.58 m	3.70 m
4 m	5.00 m	12.52 m	12.53 m	4.96 m	3.80 m	9.98 m	9.98 m	3.77 m
4.5 m	5.16 m	13.07 m	13.08 m	5.11 m	3.81 m	10.29 m	10.29 m	3.77 m

PHOTOMETRIC GUIDE



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





Escape route lens



Anti-panic lens



Asymmetrical wall lens

# SPAZIO T·LED.

## SPECIFICATION

Wall	Surface	✓
	Recessed	✓
Ceiling	Surface	✓
	Recessed	✓

Cable entry from rear of the luminaire

Polycarbonate body

Escape route lens - D

Anti-panic lens - R

Asymmetrical wall lens - W

IP40

IK04

280 lm

Duration: 3 h · Battery: LiFePO<sub>4</sub>

Charging time: 12 h

Supply: 230 V - 50 Hz

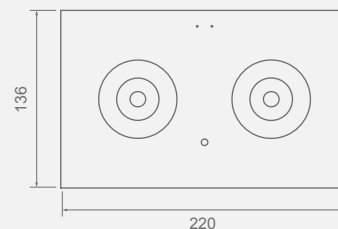
LED temperature: 4000 °K

Working temperature: 0 °C to +40 °C

AutoTest



## DIMENSIONS (mm)



## STANDARDS COMPLIANCE

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

## CERTIFICATIONS



IP

IK

lm



LED



RANGE

	Emergency	Mains	Type*	Lens**	Dur.	Battery	Part Number
AutoTest	280 lm	170 lm	M/NM	R	3 h	3.2V 3.0A/h LiFePO <sub>4</sub>	LST3300LXP3
	280 lm	170 lm	M/NM	D	3 h	3.2V 3.0A/h LiFePO <sub>4</sub>	LST3301LXP3
	280 lm	170 lm	M/NM	W	3 h	3.2V 3.0A/h LiFePO <sub>4</sub>	LST3302LXP3

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

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

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

ACCESSORIES



Screen printed legend



ABT1781



ABT1781



ABT1881



ABT1981



Screen printed legend



ABX1761



ABX1761



ABX1861



ABX1961



AMT0061  
White ceiling  
recessed accessory



# SPAZIO T·LED·

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## SPACING TABLE

### ESCAPE ROUTE LENS

LST3301LXP3 = 280 lm

Mounting Height	0.5 lux				1 lux			
2.0 m	3.04 m	6.63 m	19.17 m	8.70 m	2.65 m	6.08 m	18.06 m	8.11 m
2.5 m	3.52 m	7.87 m	22.80 m	10.22 m	2.91 m	7.04 m	21.18 m	9.40 m
3 m	3.86 m	8.96 m	26.10 m	11.59 m	2.94 m	7.70 m	23.99 m	10.50 m
3.5 m	4.08 m	9.91 m	29.15 m	12.83 m	2.97 m	8.16 m	26.55 m	11.49 m
4 m	4.14 m	10.59 m	31.98 m	13.94 m	2.97 m	8.28 m	28.81 m	12.40 m
4.5 m	4.18 m	11.18 m	34.62 m	14.97 m	2.92 m	8.33 m	30.84 m	13.24 m

### ANTI-PANIC LENS

LST3300LXP3 = 280 lm

Mounting Height	0.5 lux				1 lux			
2.0 m	4.10 m	9.37 m	9.50 m	4.16 m	3.63 m	8.26 m	8.36 m	3.71 m
2.5 m	4.74 m	10.70 m	10.89 m	4.84 m	4.13 m	9.54 m	9.71 m	4.23 m
3.0 m	5.30 m	12.11 m	12.30 m	5.43 m	4.56 m	10.64 m	10.88 m	4.69 m
3.5 m	5.79 m	13.37 m	13.63 m	5.95 m	4.91 m	11.63 m	11.92 m	5.08 m
4.0 m	6.24 m	14.51 m	14.83 m	6.42 m	5.14 m	12.52 m	12.86 m	5.36 m
4.5 m	6.63 m	15.54 m	15.93 m	6.84 m	5.31 m	13.31 m	13.70 m	5.56 m

### ASYMMETRICAL WALL LENS

LST3302LXP3 = 280 lm

Mounting Height	0.5 lux				1 lux			
2.0 m	3.20 m	10.61 m	8.27 m	3.63 m	2.54 m	8.92 m	7.19 m	3.17 m
2.5 m	3.44 m	11.88 m	9.48 m	4.16 m	2.70 m	9.89 m	8.26 m	3.61 m
3.0 m	3.66 m	12.95 m	10.52 m	4.65 m	2.70 m	10.79 m	9.24 m	3.94 m
3.5 m	3.81 m	13.93 m	11.61 m	5.08 m	2.36 m	11.56 m	10.09 m	4.20 m
4.0 m	3.85 m	14.85 m	12.62 m	5.43 m	1.92 m	12.20 m	10.82 m	4.23 m
4.5 m	3.64 m	15.68 m	13.53 m	5.72 m	1.63 m	12.43 m	11.44 m	4.11 m

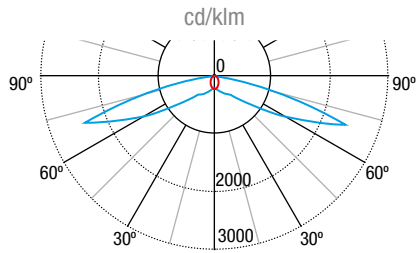
# SPAZIO T·LED·

ZEMPER

## PHOTOMETRIC GUIDE

### ESCAPE ROUTE LENS

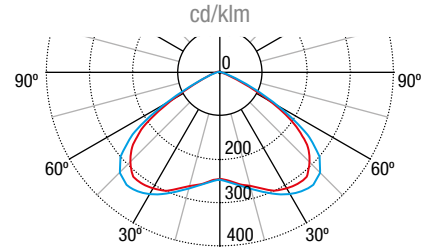
LST3301LXP3 = 280 lm



— C0 - C180 — C90 - C270

### ANTI-PANIC LENS

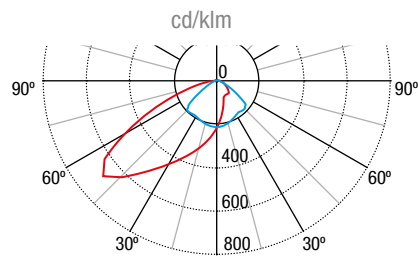
LST3300LXP3 = 280 lm



— C0 - C180 — C90 - C270

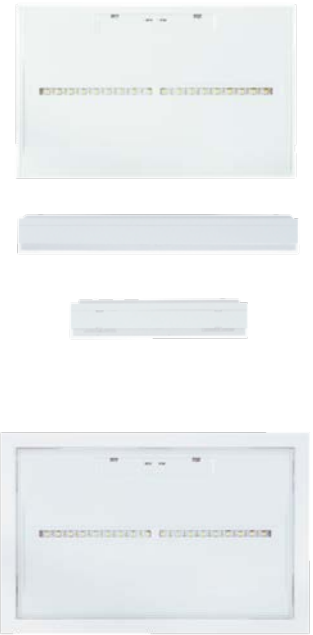
### ASYMMETRICAL WALL LENS

LST3302LXP3 = 280 lm



— C0 - C180 — C90 - C270





# T·LED·

## SPECIFICATION

Wall	Surface	✓
	Recessed	✓
Ceiling	Surface	✓
	Recessed	✓

Cable entry from rear of the luminaire

Polycarbonate body

Diffuser: Transparent Polycarbonate

IP42

IK04

250 lm

Duration: 3 h · Battery: LiFePO<sub>4</sub>

Charging time: 12 h

Supply: 230 V - 50 Hz

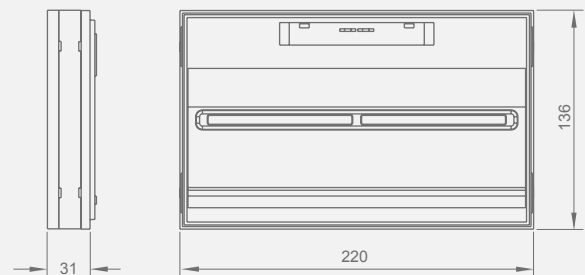
LED temperature: 4000 °K

Working temperature: 0 °C to +40 °C

AutoTest



## DIMENSIONS (mm)



## STANDARDS COMPLIANCE

EN-60598-2-22

AutoTest: EN-62034

Wireless: ETSI EN 300 220

## CERTIFICATIONS



RANGE

	Emergency	Mains	Type*	Dur.	Battery	Part Number
AutoTest	250 lm	150 lm	M/NM	3 h	3.2V 3.0A/h LiFePO <sub>4</sub>	LTS4300LXP3

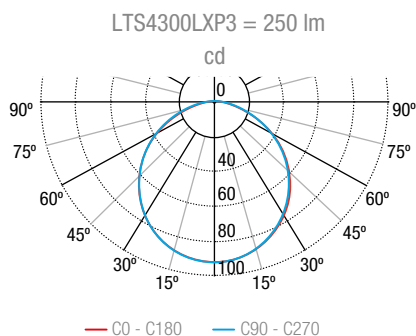
\*M/NM: Maintained/Non Maintained. Same working as Maintained luminaire, with a third terminal which allows to switch off/on the Maintained mode when connected to mains supply.  
For version in black colour, add an 'N' at the end of the part number.

SPACING TABLE

LTS4300LXP3 = 250 lm

Mounting Height	0.5 lux				1 lux			
	↔↔↔	↔↔↔	↔↔↔	↔↔↔	↔↔↔	↔↔↔	↔↔↔	↔↔↔
2.0 m	4.26 m	10.27 m	10.36 m	4.27 m	3.66 m	8.89 m	8.95 m	3.65 m
2.5 m	4.88 m	11.83 m	11.92 m	4.88 m	4.00 m	9.83 m	9.87 m	3.97 m
3.0 m	5.28 m	12.87 m	12.96 m	5.26 m	4.26 m	10.63 m	10.63 m	4.22 m
3.5 m	5.61 m	13.81 m	13.86 m	5.58 m	4.44 m	11.28 m	11.26 m	4.40 m
4.0 m	5.88 m	14.63 m	14.65 m	5.84 m	4.56 m	11.82 m	11.78 m	4.52 m
4.5 m	6.10 m	15.36 m	15.35 m	6.05 m	4.63 m	12.26 m	12.20 m	4.58 m

PHOTOMETRIC GUIDE



ACCESSORIES



Digital printed legend panel kit for surface ceiling mounted.

- ABT1781
- ABT1781
- ABT1881
- ABT1981

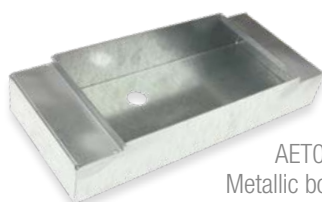


Accessories for recessed mounted into ceiling (white colour) and digital printed legend panel

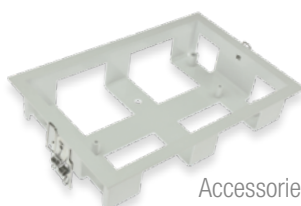
- ABX1781
- ABX1781
- ABX1881
- ABX1981



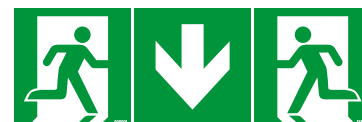
AGT000 Protective grille



AET0081 Metallic box for wall recessed mounted



AMT0081 Accessories for ceiling recessed mounted (white colour)



APT316 Multi-direction adhesive pictograph

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



150 lm Emergency



300 lm Emergency

# XENA FLAT

## SPECIFICATION

Wall	Surface	✓
	Semi recessed	✓
Ceiling	Surface	✓
	Recessed	✓

Polycarbonate body

Diffuser: Transparent Polycarbonate

IP42

IK07

150 lm - 300 lm

Duration: 3 h · Battery: LiFePO<sub>4</sub>

Charging time: 12 h

Supply: 230 V - 50 Hz

LED temperature: 4000 °K

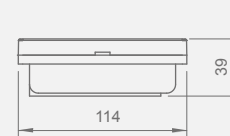
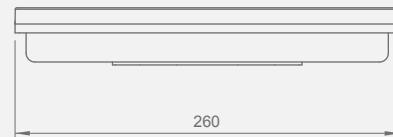
Working temperature: 0 °C to +40 °C

Standard

AutoTest



## DIMENSIONS (mm)



## STANDARDS COMPLIANCE

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

## CERTIFICATIONS



LED





RANGE

	Emergency	Mains	Type*	Dur.	Battery	Part Number
AutoTest	150 lm		NM	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LXF9150LX3T
	150 lm	90 lm	M/NM	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LXF9150LXP3T
	300 lm	180 lm	M/NM	3 h	3.2V 3.0A/h LiFePO <sub>4</sub>	LXF9250LXP3T
DALI	150 lm	90 lm	M/NM	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LXF9150LAP3T

\*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.

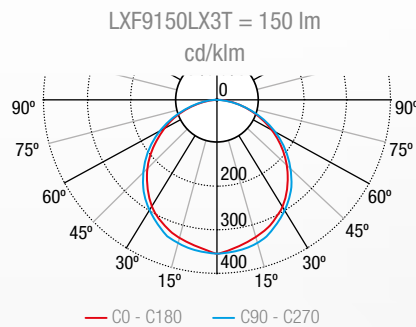
For version in black colour, add an 'N' at the end of the part number.

SPACING TABLE

LXF9150LX3T = 150 lm

Mounting Height	0.5 lux				1 lux			
	⌘↔⌘	⌘↔⌘	⌘↔⌘	⌘↔⌘	⌘↔⌘	⌘↔⌘	⌘↔⌘	⌘↔⌘
2.0 m	3.79 m	9.26 m	9.42 m	3.87 m	3.07 m	7.65 m	7.83 m	3.15 m
2.5 m	4.14 m	10.23 m	10.43 m	4.24 m	3.28 m	8.33 m	8.56 m	3.37 m
3.0 m	4.41 m	11.03 m	11.29 m	4.51 m	3.41 m	8.86 m	9.09 m	3.50 m
3.5 m	4.61 m	11.71 m	12.01 m	4.72 m	3.46 m	9.26 m	9.50 m	3.56 m
4.0 m	4.77 m	12.27 m	12.58 m	4.87 m	3.46 m	9.55 m	9.80 m	3.56 m
4.5 m	4.86 m	12.74 m	13.05 m	4.97 m	3.38 m	9.73 m	9.99 m	3.48 m

PHOTOMETRIC GUIDE



# XENA FLAT

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## ACCESSORIES



ABX4071

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

Set of pictographs (not included)

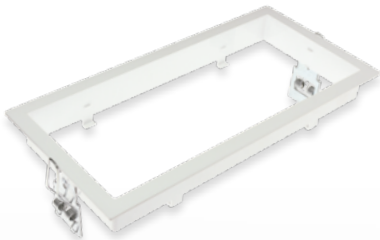


APV616

APV617

APV618

APV619



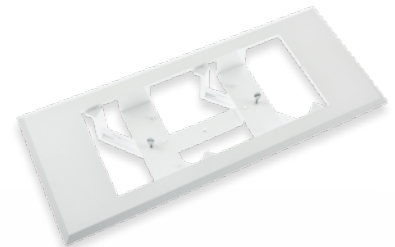
AMD0041

Accessories for ceiling recessed mounted (white colour)



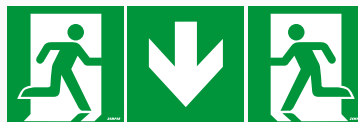
AED0071

Accessories for wall semi-recessed mounted (white colour)



AMU8001

Universal frame for holes with 8W to Diana/Xena

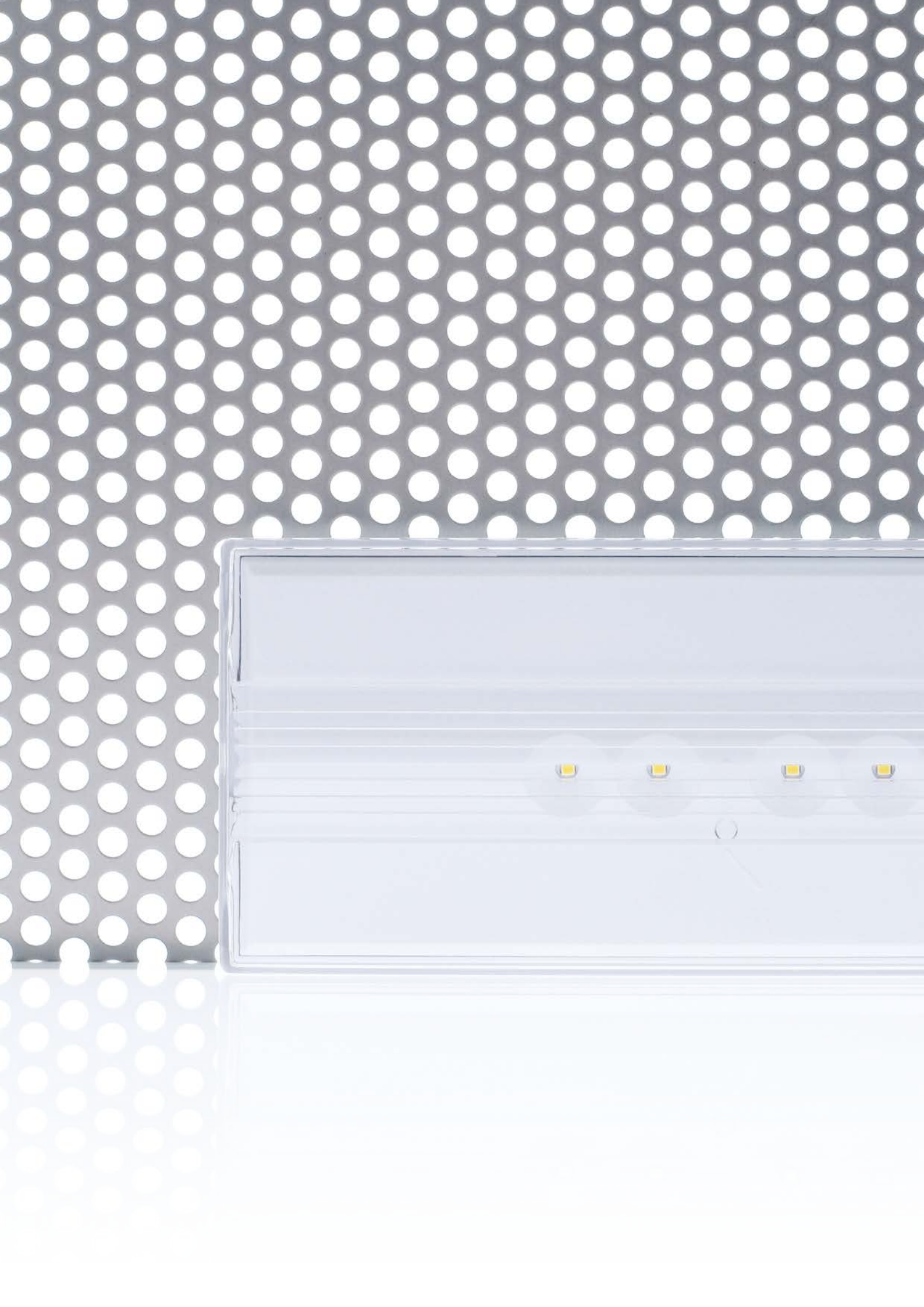


APT316

Modular self-adhesive pictogram set with 4 arrows









150 lm Emergency



300 - 600 lm Emergency

# DIANA FLAT

## SPECIFICATION

Wall	Surface	✓
	Semi recessed	✓
Ceiling	Surface	✓
	Recessed	✓

Polycarbonate body

Diffuser: Transparent Polycarbonate

IP42

IK07

150 lm - 600 lm

Duration: 3 h · Battery: LiFePO<sub>4</sub>

Charging time: 12 h

Supply: 230 V - 50 Hz

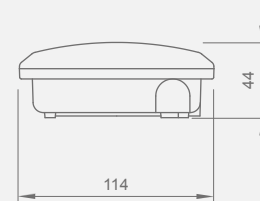
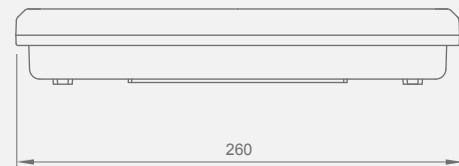
LED temperature: 4000 °K

Working temperature: 0 °C to +40 °C

AutoTest



## DIMENSIONS (mm)



## STANDARDS COMPLIANCE

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

## CERTIFICATIONS



RANGE

	Emergency	Mains	Type*	Dur.	Battery	Part Number
AutoTest	150 lm		NM	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LDF9150LX3
	150 lm	90 lm	M/NM	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LDF9150LXP3
	300 lm	180 lm	M/NM	3 h	3.2V 3.0A/h LiFePO <sub>4</sub>	LDF9250LXP3
DALI	150 lm	90 lm	M/NM	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LDF9150LAP3
	300 lm	180 lm	M/NM	3 h	6.4V 1.5A/h LiFePO <sub>4</sub>	LDF9250LAP3
	600 lm	360 lm	M/NM	3 h	6.4V 3.0A/h LiFePO <sub>4</sub>	LDS9600LAP3

\*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.

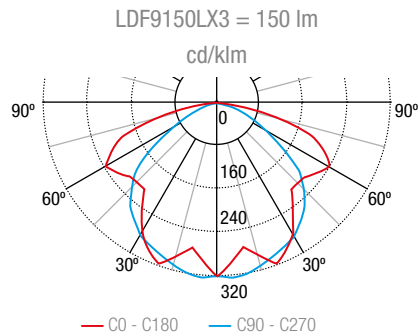
For version in black colour, add an 'N' at the end of the part number.

SPACING TABLE

LDF9150LX3 = 150 lm

Mounting Height	0.5 lux				1 lux			
	⌘↔⌘	⌘↔⌘	⌘↔⌘	⌘↔⌘	⌘↔⌘	⌘↔⌘	⌘↔⌘	⌘↔⌘
2.0 m	4.54 m	11.27 m	7.87 m	3.36 m	3.60 m	9.14 m	6.72 m	2.86 m
2.5 m	4.85 m	12.34 m	8.86 m	3.80 m	3.62 m	9.84 m	7.61 m	3.17 m
3 m	5.04 m	13.15 m	9.83 m	4.17 m	3.45 m	10.34 m	8.34 m	3.37 m
3.5 m	5.01 m	13.75 m	10.70 m	4.46 m	3.27 m	10.27 m	8.95 m	3.44 m
4 m	4.86 m	14.24 m	11.46 m	4.68 m	3.16 m	9.94 m	9.42 m	3.44 m
4.5 m	4.74 m	14.38 m	12.13 m	4.79 m	3.13 m	9.59 m	9.63 m	3.34 m

PHOTOMETRIC GUIDE



# DIANA FLAT

ZEMPER

## ACCESSORIES



CDD008  
Opal diffuser (-20% lumen output)



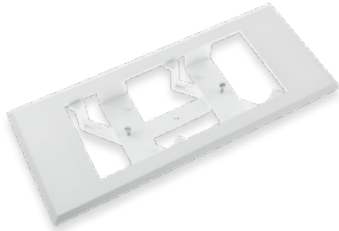
AED0071  
Accessories for wall semi-recessed mounted (white colour)



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



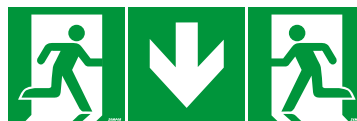
APE0065  
IP66 weatherproof kit



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 pictogram set with 4 arrows



YPD0030  
Diana connection mounting plate

Set of pictographs (not included)



APV616

APV617

APV618

APV619







# DIANA IP66

## SPECIFICATION

Wall	Surface	✓
	Recessed	x
Ceiling	Surface	✓
	Recessed	x

Transparent Polycarbonate body

Diffuser: Transparent Polycarbonate

IP66

IK10

150 lm - 300 lm

Duration: 3 h · Battery: LiFePO<sub>4</sub>

Charging time: 12 h

Supply: 230 V - 50 Hz

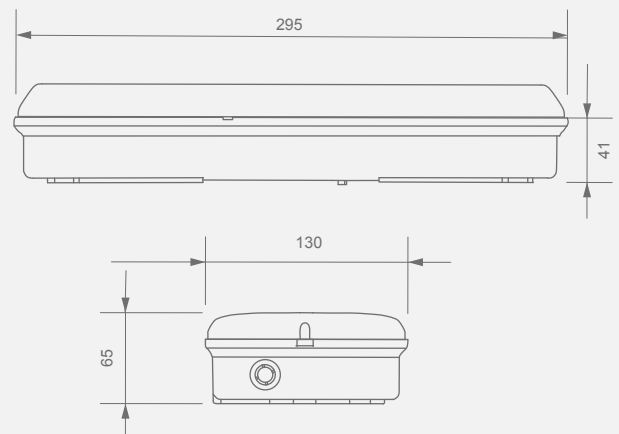
LED temperature: 4000 °K

Working temperature: 0 °C to +40 °C

AutoTest



## DIMENSIONS (mm)



## STANDARDS COMPLIANCE

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

## CERTIFICATIONS



LED



RANGE

	Emergency	Mains	Type*	Dur.	Battery	Part Number
AutoTest	150 lm		NM	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LXE9150LX3
	150 lm	90 lm	M/NM	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LXE9150LXP3
	300 lm	180 lm	M/NM	3 h	3,2V 3,0A/h LiFePO <sub>4</sub>	LXE9300LXP3
DALI	150 lm	90 lm	M/NM	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LXE9150LAP3
	300 lm	180 lm	M/NM	3 h	6.4V 1.5A/h LiFePO <sub>4</sub>	LXE9300LAP3

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

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

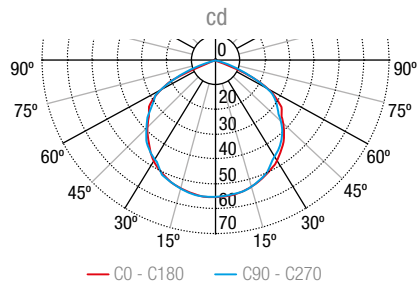
SPACING TABLE

LXE9150LX3 = 150 lm

Mounting Height	0.5 lux				1 lux			
	↔	↔	↔	↔	↔	↔	↔	↔
2.0 m	3.92 m	9.07 m	9.18 m	3.90 m	3.29 m	7.95 m	7.88 m	3.24 m
2.5 m	4.38 m	10.52 m	10.41 m	4.36 m	3.55 m	8.87 m	8.84 m	3.44 m
3 m	4.72 m	11.55 m	11.47 m	4.65 m	3.63 m	9.52 m	9.40 m	3.55 m
3.5 m	4.99 m	12.44 m	12.40 m	4.85 m	3.71 m	10.02 m	9.78 m	3.65 m
4 m	5.08 m	13.15 m	13.02 m	4.97 m	3.72 m	10.22 m	10.08 m	3.66 m
4.5 m	5.15 m	13.72 m	13.46 m	5.07 m	3.66 m	10.35 m	10.30 m	3.59 m

PHOTOMETRIC GUIDE

LXE9150LX3 = 150 lm



ACCESSORIES

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

And place it inside the Diana IP66 luminaire:



APF600  
(Upon request)







# ARIAN

## SPECIFICATION

Wall	Surface	✓
	Recessed	x
Ceiling	Surface	✓
	Recessed	x

Polycarbonate body

Diffuser: Opal Polycarbonate

IP65

IK10

150 lm - 600 lm

Duration: 3 h · Battery: LiFePO<sub>4</sub>

Charging time: 12 h

Supply: 230 V - 50 Hz

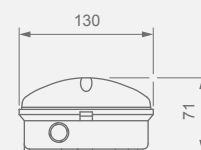
LED temperature: 4000 °K

Working temperature:  
0 °C to +40 °C

AutoTest



## DIMENSIONS (mm)



## STANDARDS COMPLIANCE

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

## CERTIFICATIONS



RANGE

	Emergency	Mains	Type*	Dur.	Battery	Part Number
AutoTest	150 lm		NM	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LAE9150LX3
	150 lm	90 lm	M/NM	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LAE9150LXP3
	300 lm	180 lm	M/NM	3 h	3.2V 3.0A/h LiFePO <sub>4</sub>	LAE9250LXP3
DALI	150 lm	90 lm	M/NM	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LAE9150LAP3
	600 lm	360 lm	M/NM	3 h	6.4V 1.5A/h LiFePO <sub>4</sub>	LAE9600LAP3

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

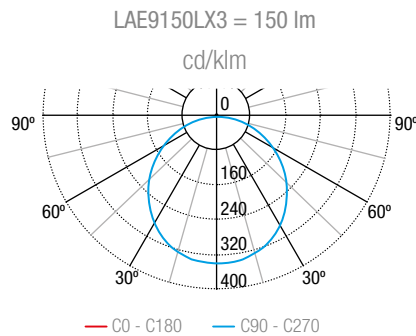
\*M/NM: Maintained/Non Maintained. With a third terminal which allows to switch off/on the Maintained mode when connected to mains supply.

SPACING TABLE

LAE9150LX3 = 150 lm

Mounting Height	0.5 lux				1 lux			
	↔ ↔	↔ ↔	↔ ↔	↔ ↔	↔ ↔	↔ ↔	↔ ↔	↔ ↔
2.0 m	3.77 m	9.24 m	9.24 m	3.77 m	3.06 m	7.61 m	7.61 m	3.06 m
2.5 m	4.11 m	10.18 m	10.18 m	4.11 m	3.27 m	8.29 m	8.29 m	3.27 m
3 m	4.38 m	10.98 m	10.98 m	4.38 m	3.40 m	8.82 m	8.82 m	3.40 m
3.5 m	4.58 m	11.64 m	11.64 m	4.58 m	3.44 m	9.22 m	9.22 m	3.44 m
4 m	4.73 m	12.20 m	12.20 m	4.73 m	3.43 m	9.52 m	9.52 m	3.43 m
4.5 m	4.81 m	12.66 m	12.66 m	4.81 m	3.34 m	9.68 m	9.68 m	3.34 m

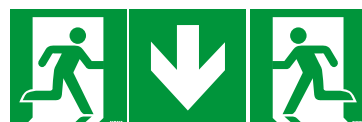
PHOTOMETRIC GUIDE



ACCESSORIES



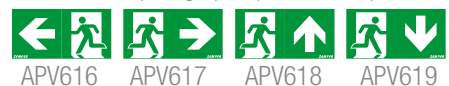
AGA230  
Protection grille



APT316  
Modular self-adhesive pictogram set  
with 4 arrows



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











# MAXILUM

IP65



+25°C  
-30°C

## SPECIFICATION

Wall	Surface	✓
	Recessed	x
Ceiling	Surface	✓
	Recessed	x

Polycarbonate body

2x LED Spotlight

IP65

IK07

1 500 lm

Duration: 3 h · Battery: LiFePO<sub>4</sub>

Charging time: 12 h / 24 h (Cold)

Supply: 230 V - 50 Hz

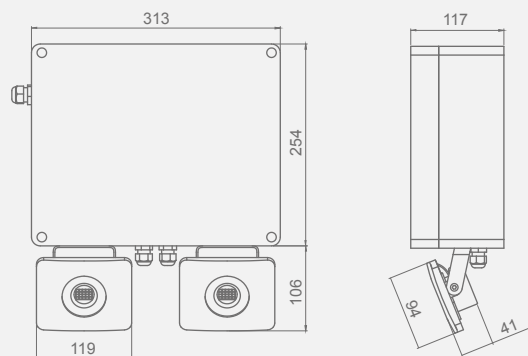
LED temperature: 4000 °K

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

AutoTest

**WARRANTY**  
**6**  
YEAR

## DIMENSIONS (mm)



## STANDARDS COMPLIANCE

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

## CERTIFICATIONS

UK  
CA



IP

IK

lm



LED



RANGE

	Emergency	Type*	Dur.	Battery (Units/Ah)	Part Number
AutoTest	1 500 lm	NM	3 h	2 x 12.8V 3.0A/h LiFePO <sub>4</sub>	PME1500LX3

MAXIMUM COLD\*\*



	Emergency	Type*	Dur.	Battery (Units/Ah)	Part Number
AutoTest	1 500 lm	NM	3 h	2 x 12.8V 3.0A/h LiFePO <sub>4</sub>	PME1500LX3F

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

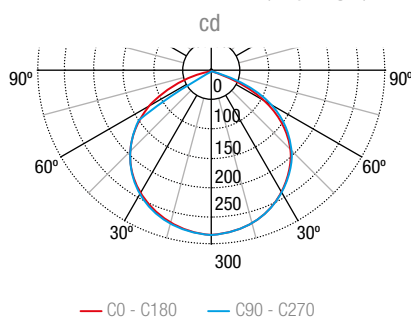
SPACING TABLE

PME1500LX3 = 1 500 lm

Mounting Height	0.5 lux				1 lux			
	↔ □	□ ↔ □	□ ↔ □	□ ↔	↔ □	□ ↔ □	□ ↔ □	□ ↔
6.0 m	12.00 m	27.94 m	24.72 m	12.04 m	9.93 m	23.89 m	21.69 m	10.00 m
8.0 m	13.71 m	32.75 m	29.63 m	13.83 m	10.95 m	27.47 m	25.88 m	10.99 m
10 m	14.88 m	36.65 m	33.87 m	14.96 m	11.53 m	29.81 m	29.07 m	11.57 m
12 m	15.72 m	39.71 m	37.65 m	15.78 m	11.74 m	31.47 m	31.58 m	11.78 m
14 m	16.27 m	41.99 m	40.89 m	16.33 m	11.62 m	32.57 m	32.72 m	11.65 m
16 m	16.55 m	43.79 m	43.71 m	16.60 m	11.12 m	33.11 m	33.28 m	11.16 m

PHOTOMETRIC GUIDE

PME1500LX3 = 750 lm (1 spotlight)





# PFL

## SPECIFICATION

Wall	Surface	✓
	Recessed	x
Ceiling	Surface	✓
	Recessed	x

Polycarbonate body

2x LED Spotlight

IP42

IK04

1 500 lm

Duration: 3 h · Battery: LiFePO<sub>4</sub>

Charging time: 12 h

Supply: 230 V - 50 Hz

LED temperature: 4000 °K

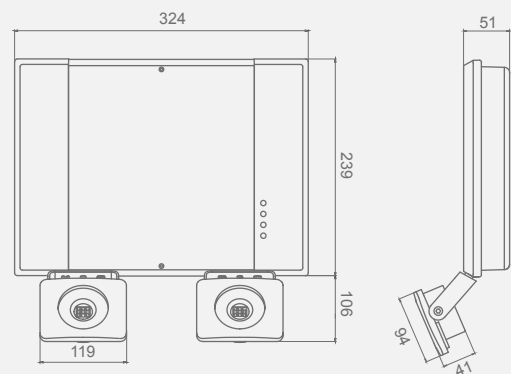
Working temperature: 0 °C to +40 °C

AutoTest

**WARRANTY**

**6**  
YEAR

## DIMENSIONS (mm)



## STANDARDS COMPLIANCE

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

## CERTIFICATIONS

**UK**  
**CA**



IP

IK

lm



LED



————— RANGE —————

	Emergency	Type*	Dur.	Battery (Units/Ah)	Part Number
AutoTest	1 500 lm	NM	3 h	2 x 12.8V 3.0A/h LiFePO <sub>4</sub>	PFL1500LX3

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

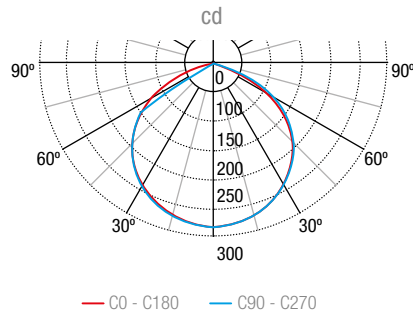
————— SPACING TABLE —————

PFL1500LX3 = 1 500 lm

Mounting Height	0.5 lux				1 lux			
	⋈↔□	□↔□	□↔□	□↔⋈	⋈↔□	□↔□	□↔□	□↔⋈
6.0 m	12.00 m	27.94 m	24.72 m	12.04 m	9.93 m	23.89 m	21.69 m	10.00 m
8.0 m	13.71 m	32.75 m	29.63 m	13.83 m	10.95 m	27.47 m	25.88 m	10.99 m
10 m	14.88 m	36.65 m	33.87 m	14.96 m	11.53 m	29.81 m	29.07 m	11.57 m
12 m	15.72 m	39.71 m	37.65 m	15.78 m	11.74 m	31.47 m	31.58 m	11.78 m
14 m	16.27 m	41.99 m	40.89 m	16.33 m	11.62 m	32.57 m	32.72 m	11.65 m
16 m	16.55 m	43.79 m	43.71 m	16.60 m	11.12 m	33.11 m	33.28 m	11.16 m

————— PHOTOMETRIC GUIDE —————

PFL1500LX3 = 750 lm (1 spotlight)









# ALYA TRACK

## SPECIFICATION

Track

Polycarbonate body

Optics: Circular Lens + Hall Lens

IP20

IK04

300 lm

Duration: 3 h · Battery: LiFePO<sub>4</sub>

Charging time: 12 h

Supply: 230 V - 50 Hz

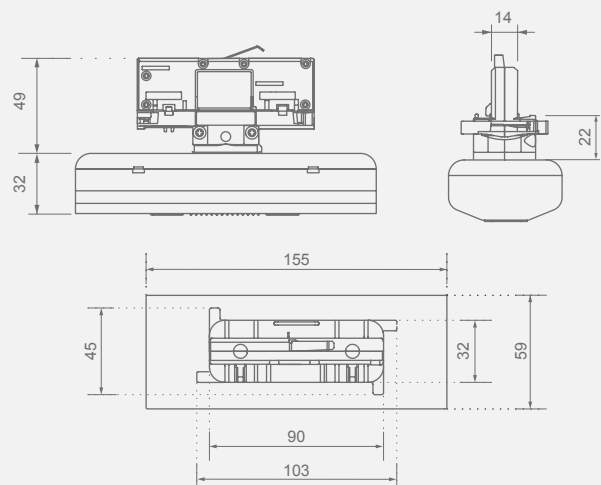
LED temperature: 4000 °K

Working temperature: 0 °C to +40 °C

AutoTest



## DIMENSIONS (mm)



## STANDARDS COMPLIANCE

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

## CERTIFICATIONS



LED





RANGE

	Emergency	Mains	Type*	Dur.	Battery	Part Number
AutoTest	300 lm	180 lm	M	3 h	3.2V 3.0A/h LiFePO <sub>4</sub>	LYA6300LXP3
DALI	300 lm	180 lm	M	3 h	3.2V 3.0A/h LiFePO <sub>4</sub>	LYA6300LAP3

M: Maintained.

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

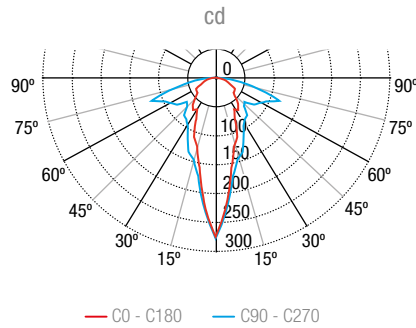
SPACING TABLE

LYA6300LXP3 = 300 lm

Mounting Height	0.5 lux				1 lux			
	↔	↔	↔	↔	↔	↔	↔	↔
2.0 m	2.98 m	7.58 m	11.87 m	4.43 m	2.98 m	7.58 m	11.87 m	4.43 m
2.5 m	3.72 m	9.48 m	14.84 m	5.54 m	3.72 m	9.48 m	14.84 m	5.54 m
3 m	4.47 m	11.37 m	17.81 m	6.65 m	3.93 m	10.60 m	16.47 m	5.79 m
3.5 m	5.21 m	13.27 m	20.78 m	7.76 m	3.99 m	10.98 m	16.71 m	5.71 m
4 m	5.55 m	14.59 m	22.07 m	7.79 m	4.12 m	11.11 m	16.41 m	5.46 m
4.5 m	5.54 m	15.30 m	22.63 m	7.79 m	4.25 m	11.09 m	16.31 m	4.97 m

PHOTOMETRIC GUIDE

LYA6300LXP3 = 300 lm





# EXITALYA TRACK

## SPECIFICATION

Track ✓

Polycarbonate body

IP20

IK04

Duration: 3 h · Battery: LiFePO<sub>4</sub>

Charging time: 12 h

Supply: 230 V - 50 Hz

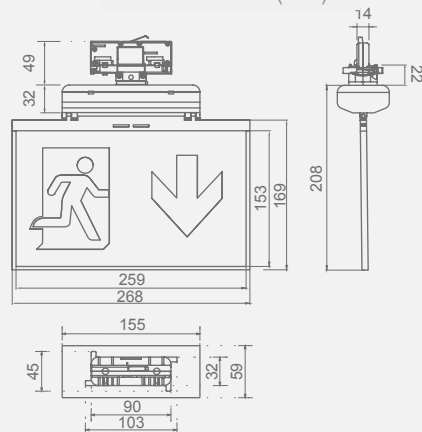
LED temperature: 4000 °K

Working temperature: 0 °C to +40 °C

AutoTest



## DIMENSIONS (mm)



## VIEWING DISTANCE



## STANDARDS COMPLIANCE

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

## CERTIFICATIONS



IP

IK



LED



RANGE

	Type*	Dur.	Battery	Part Number
AutoTest	M	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LYE6070LXP3
DALI	M	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LYE6070LAP3

\*M: Maintained.

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





# SPAZIO LUZ TRACK

## SPECIFICATION

Track

Polycarbonate body

Diffuser: Transparent Polycarbonate

IP20

IK04

170 lm

Duration: 3 h · Battery: LiFePO<sub>4</sub>

Charging time: 12 h

Supply: 230 V - 50 Hz

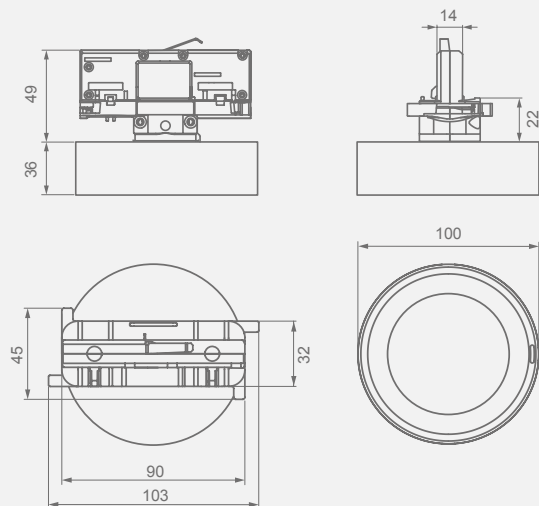
LED temperature: 4000 °K

Working temperature: 0 °C to +40 °C

AutoTest



## DIMENSIONS (mm)



## STANDARDS COMPLIANCE

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

## CERTIFICATIONS



LED



RANGE

	Emergency	Mains	Type*	Dur.	Battery	Part Number
AutoTest	170 lm	100 lm	M	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LUZ6170LXP3
DALI	170 lm	100 lm	M	3 h	3.2V 1.5A/h LiFePO <sub>4</sub>	LUZ6170LAP3

\*M: Maintained.

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

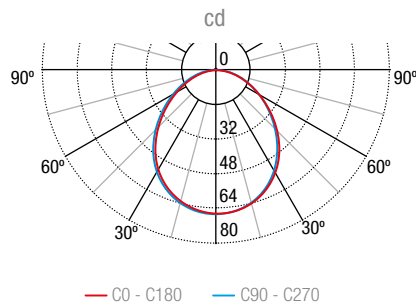
SPACING TABLE

LUZ6170LXP3 = 170 lm

Mounting Height	0.5 lux				1 lux			
	⦿↔⦿	⦿↔⦿	⦿↔⦿	⦿↔⦿	⦿↔⦿	⦿↔⦿	⦿↔⦿	⦿↔⦿
2.0 m	3.85 m	9.26 m	9.29 m	3.82 m	3.16 m	7.70 m	7.72 m	3.14 m
2.5 m	4.23 m	10.27 m	10.29 m	4.20 m	3.42 m	8.46 m	8.47 m	3.40 m
3 m	4.54 m	11.13 m	11.15 m	4.51 m	3.61 m	9.08 m	9.08 m	3.58 m
3.5 m	4.80 m	11.87 m	11.89 m	4.76 m	3.73 m	9.58 m	9.58 m	3.70 m
4 m	5.00 m	12.52 m	12.53 m	4.96 m	3.80 m	9.98 m	9.98 m	3.77 m
4.5 m	5.16 m	13.07 m	13.08 m	5.11 m	3.81 m	10.29 m	10.29 m	3.77 m

PHOTOMETRIC GUIDE

LUZ6170LXP3 = 170 lm





# SPAZIO PLUS TRACK

## SPECIFICATION

Track

Polycarbonate body

Escape route lens - D  
Anti-panic lens - R

IP20

IK04

165 lm

Duration: 3 h · Battery: LiFePO<sub>4</sub>

Charging time: 12 h

Supply: 230 V - 50 Hz

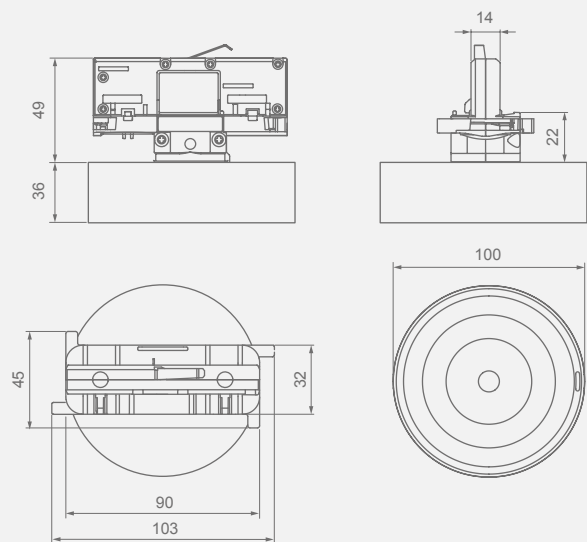
LED temperature: 4000 °K

Working temperature: 0 °C to +40 °C

AutoTest



## DIMENSIONS (mm)



## STANDARDS COMPLIANCE

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

## CERTIFICATIONS



LED



		RANGE					
	Emergency	Mains	Type*	Dur.	Battery	Part Number	
AutoTest	165 lm	100 lm	M	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LSP6175LXP3	
DALI	165 lm	100 lm	M	3 h	3.2V 1.8A/h LiFePO <sub>4</sub>	LSP6175LAP3	

M: Maintained.

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

### SPACING TABLE

#### ESCAPE ROUTE LENS

LSP6175LXP3 = 165 lm

Mounting Height	0.5 lux				1 lux			
	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿
2.0 m	2.72 m	6.17 m	17.37 m	7.66 m	2.37 m	5.45 m	16.06 m	7.09 m
2.5 m	3.13 m	7.09 m	20.27 m	8.91 m	2.54 m	6.27 m	18.52 m	8.15 m
3 m	3.42 m	8.01 m	22.89 m	10.05 m	2.48 m	6.85 m	20.82 m	9.09 m
3.5 m	3.58 m	8.81 m	25.36 m	11.09 m	2.41 m	7.16 m	22.91 m	9.94 m
4 m	3.56 m	9.49 m	27.69 m	12.04 m	2.28 m	7.12 m	24.83 m	9.80 m
4.5 m	3.49 m	9.87 m	29.86 m	12.92 m	2.08 m	6.98 m	26.61 m	8.69 m

#### ANTI-PANIC LENS

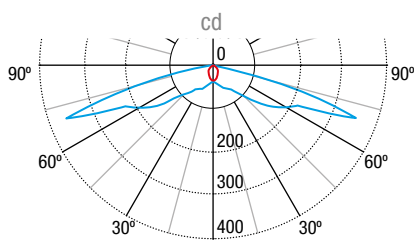
LSP6175LXP3 = 165 lm

Mounting Height	0.5 lux				1 lux			
	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿	⦿ ↔ ⦿
2.0 m	3.67 m	8.32 m	8.32 m	3.67 m	3.22 m	7.41 m	7.41 m	3.22 m
2.5 m	4.21 m	9.66 m	9.66 m	4.21 m	3.64 m	8.47 m	8.47 m	3.64 m
3.0 m	4.69 m	10.82 m	10.82 m	4.69 m	3.97 m	9.43 m	9.43 m	3.97 m
3.5 m	5.10 m	11.87 m	11.87 m	5.10 m	4.23 m	10.25 m	10.25 m	4.23 m
4.0 m	5.45 m	12.86 m	12.86 m	5.45 m	4.41 m	10.95 m	10.95 m	4.41 m
4.5 m	5.74 m	13.75 m	13.75 m	5.74 m	4.53 m	11.53 m	11.53 m	4.53 m

### PHOTOMETRIC GUIDE

#### ESCAPE ROUTE LENS

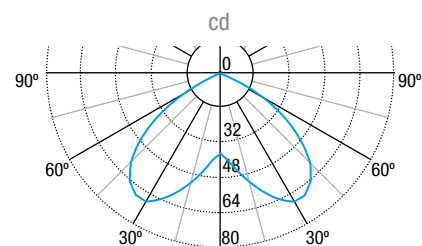
LSP6175LXP3 = 165 lm



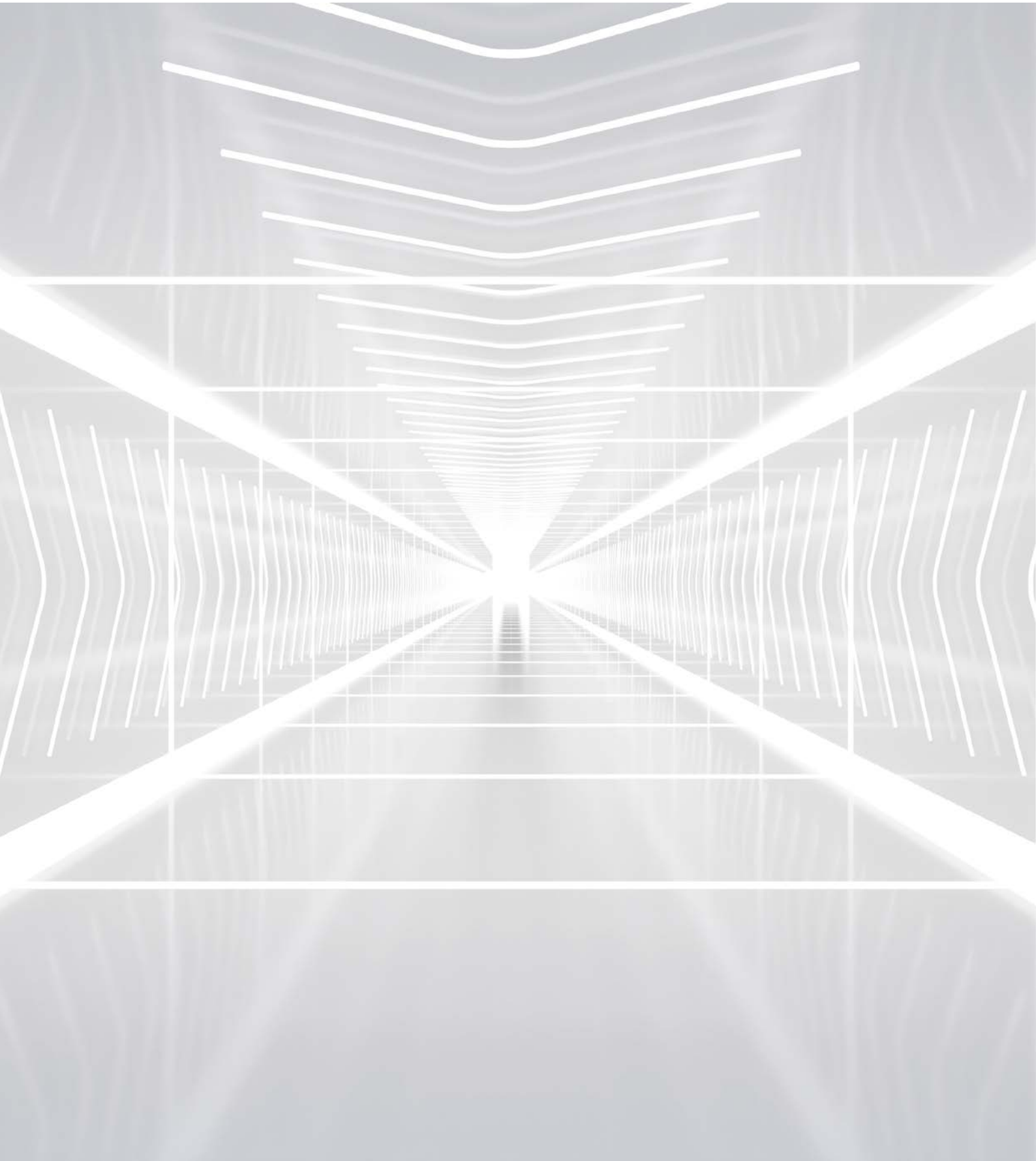
— C0 - C180 — C90 - C270

#### ANTI-PANIC LENS

LSP6175LXP3 = 165 lm



— C0 - C180 — C90 - C270





# ZEMPER EMERGENCY SYSTEMS: THREE LEVELS OF APPROACH

## Dali

ZWEBDALI is a supervision control unit working as a webserver connected to any LAN-NETWORK by TCP-IP protocol.



## AutoTest (ZX)

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



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

## Standard (ZC)

Emergency luminaires with integral battery for 3 hour emergency operation.





# DIGITAL ADDRESSABLE LIGHTING INTERFACE



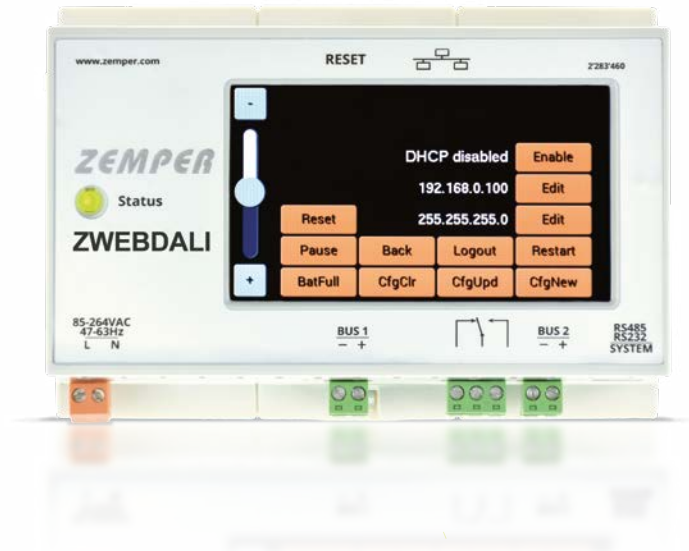
**DALI**

The DALI logo consists of the word "DALI" in a bold, white, sans-serif font, centered within a white-outlined oval. The oval is divided into three vertical sections by thin white lines.

**DALI 2**

The DALI 2 logo features the word "DALI" in a bold, white, sans-serif font, followed by a large, stylized number "2". The "2" is white with a blue gradient and a white outline, positioned to the right of the "DALI" text. The entire logo is contained within a white-outlined oval that has a blue gradient and a white outline.

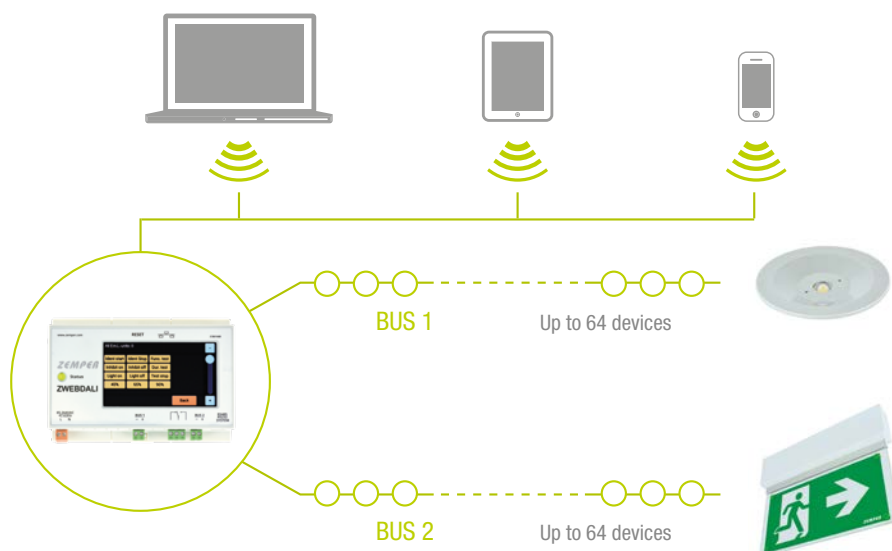
# DALI CENTRAL CONTROL UNIT

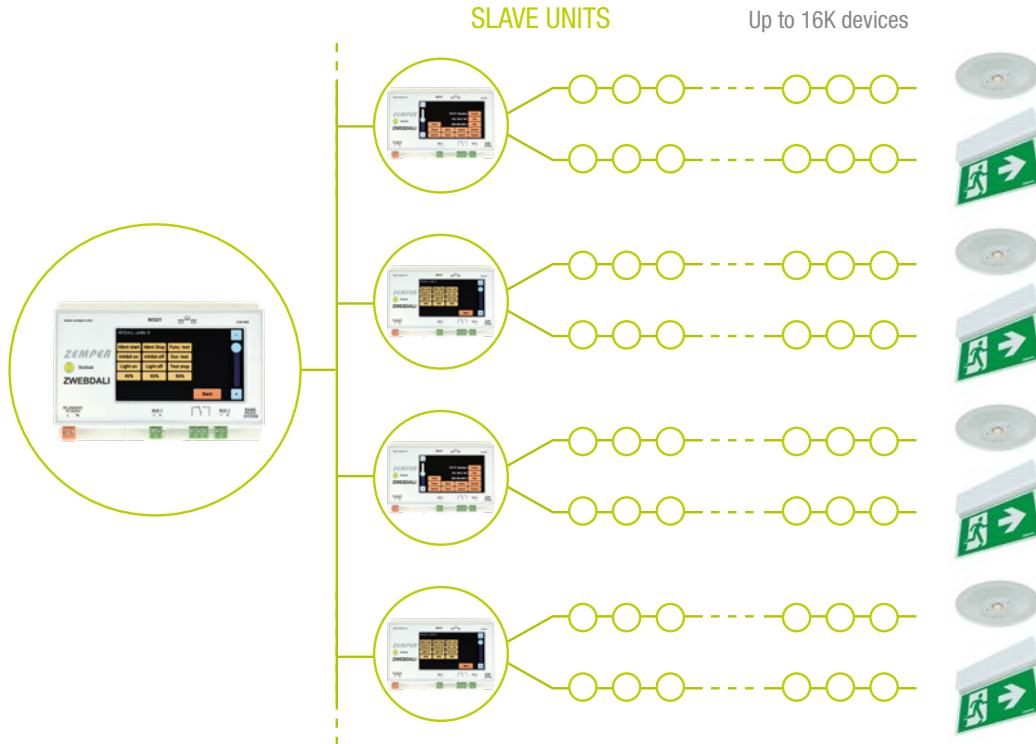


Ref.: ZWEBDALI

## Features

- 4.3" touchscreen display control unit
- Ethernet interface and integrated web server
- Possibility to connect 128 DALI units
- Possibility to extend using ZWEBDALI slave units connected on the same net.
- Monitoring the installation via web browser
  - Device list
  - Unit information
  - Fault list
- Test record (duration, lamp) and test configuration
- Installation configuration
  - Parameter modification
  - Groups configurator
- General configuration (network, mail configuration, add/delete emergency luminaires, etc)
- Password protected for administrators
- View reports
- Export and saving reports

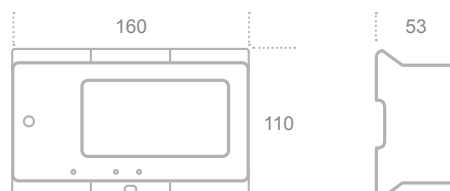




### Key Features

- ZWEBDALI is a supervision control unit working as a webserver connected to any LAN-NETWORK by TCP-IP protocol
- Most simple way to create an initial installation or upgrade it as well considering that ZWEBDALI unit will automatically detect the units connected in the installation.
- All luminaires information such as installation date, serial number, test information, battery status, emergency information (status, mode, features, gear status) and much more
- Disable supervision option, bus address configuration, group configuration and test day modification is also possible
- Faults selection to mail and single orders (status, identification, duration test, functional test.)
- All Devices information, test records and faults list with plenty of information.
- Up to 1000 faults can be recorded and possibility to export data
- Extended to 127 slave units - up to 16K

### DIMENSIONS (mm)





ZEMPER



## DALI HIGHLIGHTS



### SIMPLIFIED INSTALLATIONS

Power lines and control lines can be laid together in the same cable.  
Topology with DALI is free. The wiring may be serial, star or mixed.



### FLEXIBILITY

Group assignment is set up as requested.  
Totally independent of hard wiring.



### NO POLARITY

There is no need to worry about the polarity (+/-) of the DALI control line.



### STATUS FEEDBACK

Status reports can be transferred directly to a higher-ranking system.



### INTELLIGENCE

DALI uses a system of distributed intelligence;  
Controllers communicate with intelligent control gears.  
Each controller operates as a "master"  
Control gears react only as "slaves" at the request of the "master"  
Certain parameters are stored directly in the DALI unit (e.g. tests results, group address).

## DALI TECHNICAL PERFORMANCES

- MAX no. of groups per bus =16
- DALI VOLTAGE = 9.5V – 22V , typically = 16V
- DALI CURRENT= Max. 250 mA (depending on the installed DALI power supply)
- DATA TRASFER BAUD RATE= 1200
- MAX CABLE LENGTH = Approx. 300 meters for a cross-section 1.5mm<sup>2</sup>

## DALI TESTING & FEEDBACK

- Status of the battery
- Luminaire Status
- Charge condition
- Function test
- Battery change info
- Installation date
- Emergency status



# Explosion Proof Fittings ATEX



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.



### The ATEX European Directives 94/9/EC

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

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

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



**APPLICATION AREAS**  
**EQUIPMENT CATEGORIES**  
**EQUIPMENT PROTECTION LEVEL**

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

### HAZARDOUS AREA

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



### EMERGENCY FITTINGS GENERAL DATA

- Led driver with AutoTest function as per IEC32034
- High temperature NiCd 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 EXPLOSION PROOF LED FEATURES

#### Approvals and Certifications

- Zone 1 / Zone 21
- Ex db IIC T6 Gb
- Ex tb IIIC T85°C Db
- IK protection degree IK07  
Except: LSPC3045LX and LSPC3400LX = IK10
- IP66
- Class: I

#### Technical information

- Electronic driver: 220 - 240V 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 +55 °C

Polycarbonate diffuser (E1, E2, E3):

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

#### Standards

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

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

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

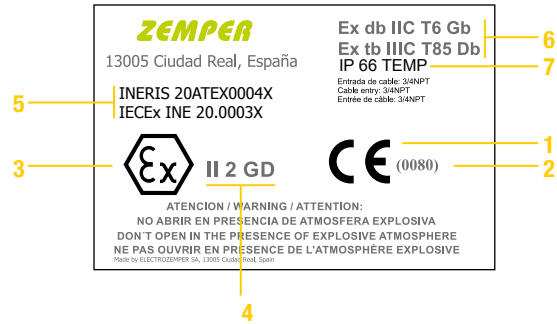
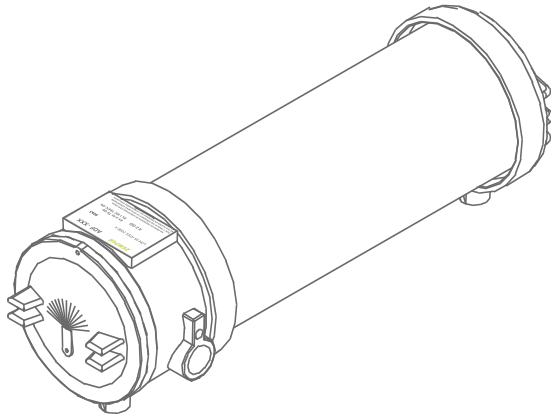
#### Enclosure general data

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

#### Casting & connections:

- Aluminum injection.
- Yellow RAL-1003 / Ultramarine Blue RAL - 5002 polyurethane paint.
- Explosion proof O-ring.
- 2 entries 3/4" NPT for cable glands (not included)
- 1 plug supplied
- Electric connection through 5P+T 2.5 mm<sup>2</sup> terminal block.
- Suitable for installation on flammable surfaces.

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



### INFORMATION SPECIFIC TO EXPLOSION PROTECTION (MARKING)

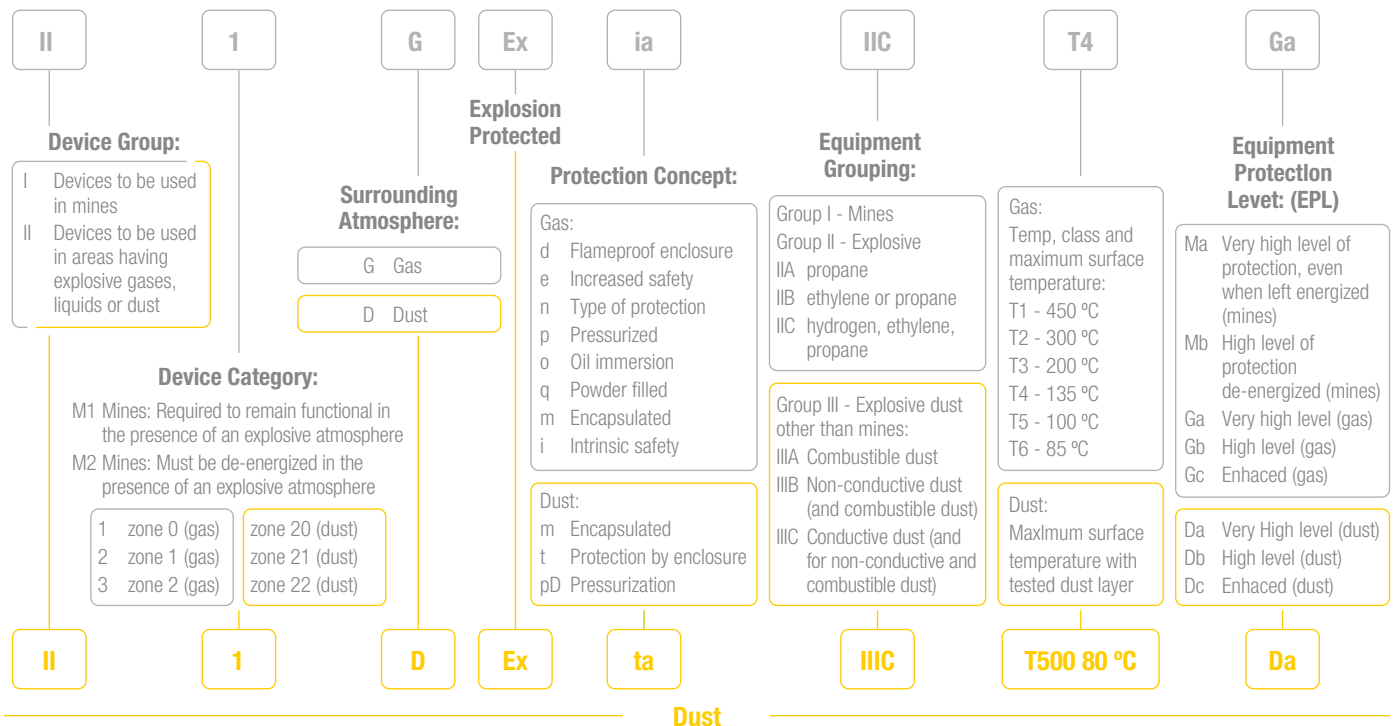
#### ATEX directive/EN standards

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

#### IEC standards

6 Certificate of Conformity

#### Gas (HMT360)





# SATURNO



Ex db IIC T6 Gb  
Ex tb IIIC T85°C Db

**IP66 IK07 - IK10**

## SPECIFICATION

Wall	Surface	✓
	Recessed	x
Ceiling	Surface	✓
	Recessed	x

Envelope: Aluminum injection

Diffuser: Borosilicate glass / Polycarbonate

IP66

IK07

Except: LSPC3045LX and LSPC3400LX = IK10

Lighting Luminous range: 1 250 lm - 11 000 lm

Emergency Luminous range: 350 lm - 800 lm

Duration: 3 h · Battery: LiFePO<sub>4</sub>

Charging time: 24 h

Supply: 220 - 240V 50/60 Hz

LED temperature: 4000 °K

Glass diffuser:

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

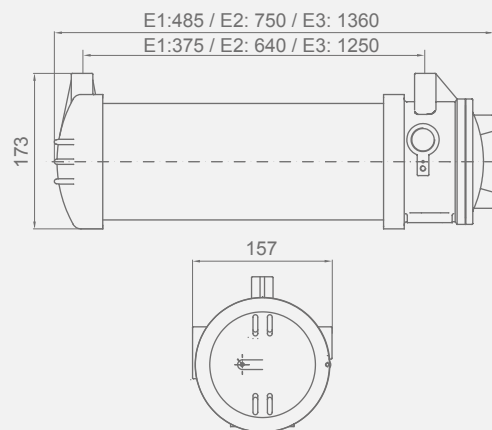
Polycarbonate diffuser:

- 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: EN 62386

## CERTIFICATIONS



IP

IK

Lm



LED



RANGE

LIGHTING

Dimensions	Polycarbonate Enclosure	Lighting	Glass Enclosure	Lighting	Communication
E1	LSIPC1100	1 250 lm	LSVC1100	1 300 lm	
E1	LSIPC1200	2 150 lm	LSVC1200	2 500 lm	
E2	LSIPC2200	2 500 lm	LSVC2200	2 650 lm	
E2	LSIPC2200A	2 500 lm	LSVC2200A	2 650 lm	DALI
E2	LSIPC2200AK	2 500 lm	LSVC2200AK	2 650 lm	DALI
E2	LSIPC2400	4 750 lm	LSVC2400	5 000 lm	
E3	LSIPC3400	4 750 lm	LSVC3400	5 000 lm	
E3	LSIPC3400A	4 750 lm	LSVC3400A	5 000 lm	DALI
E3	LSIPC3400AK	4 750 lm	LSVC3400AK	5 000 lm	DALI
E3	LSIPC3110	11 000 lm	LSVC3110	11 750 lm	
E3	LSIPC3110A	11 000 lm	LSVC3110A	11 750 lm	DALI

EMERGENCY - Polycarbonate Enclosure

Dimensions	Type*	Enclosure	Emergency	Lighting	Battery	Duration	Communication
E1	NM	LSPC1400LX3	350 lm		3.2V / 3Ah LiFePO <sub>4</sub>	3h	
E1	NM	LSPC1700LX3	750 lm		3.2V / 9Ah LiFePO <sub>4</sub>	3h	
E2	NM	LSPC2700LX3	750 lm		3.2V / 9Ah LiFePO <sub>4</sub>	3h	
E2	M/NM	LSPC2700LXP3	800 lm	4 800 lm	3.2V / 9Ah LiFePO <sub>4</sub>	3h	
E2	M/NM	LSPC2700LAP3	800 lm	4 800 lm	3.2V / 9Ah LiFePO <sub>4</sub>	3h	DALI
E3	M/NM	LSPC3700LAP3	800 lm	4 800 lm	3.2V / 9Ah LiFePO <sub>4</sub>	3h	DALI
E3	M/NM	LSPC3700LXP3	800 lm	4 800 lm	3.2V / 9Ah LiFePO <sub>4</sub>	3h	

EMERGENCY - Glass Enclosure

Dimensions	Type*	Enclosure	Emergency	Lighting	Battery	Duration	Communication
E1	NM	LSVC1400LX3	400 lm		3.2V / 3Ah LiFePO <sub>4</sub>	3h	
E1	NM	LSVC1700LX3	800 lm		3.2V / 9Ah LiFePO <sub>4</sub>	3h	
E2	NM	LSVC2700LX3	800 lm		3.2V / 9Ah LiFePO <sub>4</sub>	3h	
E2	M/NM	LSVC2700LXP3	850 lm	5 000 lm	3.2V / 9Ah LiFePO <sub>4</sub>	3h	
E2	M/NM	LSVC2700LAP3	850 lm	5 000 lm	3.2V / 9Ah LiFePO <sub>4</sub>	3h	DALI
E3	M/NM	LSVC3700LAP3	850 lm	5 000 lm	3.2V / 9Ah LiFePO <sub>4</sub>	3h	DALI
E3	M/NM	LSVC3700LXP3	850 lm	5 000 lm	3.2V / 9Ah LiFePO <sub>4</sub>	3h	

\*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)

LSPC1700X3 = 750 lm

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

EMERGENCY (Glass Enclosure)

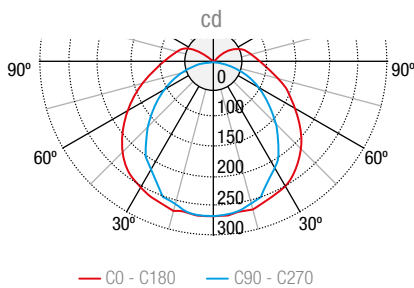
LSVC1700X3 = 800 lm

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

PHOTOMETRIC GUIDE

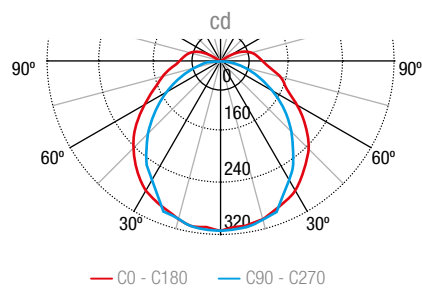
Polycarbonate Enclosure

LSPC1700X3 = 750 lm



Glass Enclosure

LSVC1700X3 = 800 lm



ACCESSORIES



CAM001  
Ringbolt for  
suspended mounting



BRD001  
Flange for surface  
ceiling mounting



APS600  
(under request)



PSA001  
Cable gland



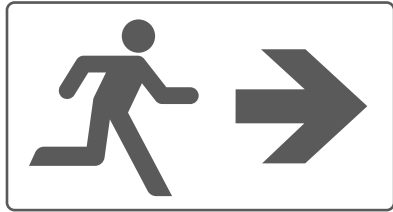






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