

**ZEMPER**

THE EMERGENCY LIGHTING SPECIALIST



ALYA RANGE



**ZEMPER**

THE EMERGENCY LIGHTING SPECIALIST



# BIG?

Yes, but not in size

Imagine the **advantages** of a  
luminaire **60%** smaller

▲  
real size

## Alya range is a new concept of emergency lighting luminaires

Alya was designed to be small, compact and flat, but 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 for emergency lighting to be used in surface and recessed mounting.
- **Walya:** Luminaire for walls in corridor with incredible interdistance
- **Exitalya:** Luminaire specially designed as exit sign which can be adapted to any position or ceiling

# ALYA RANGE



Walya

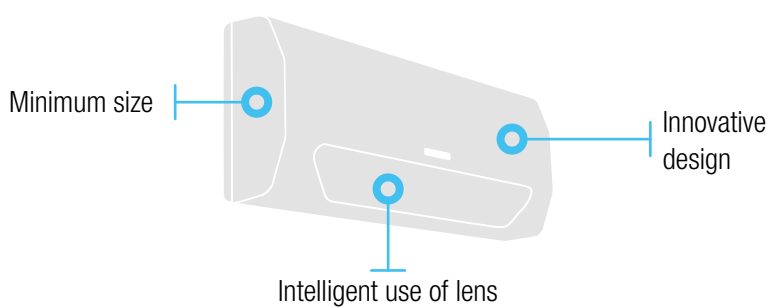
# ALYA RANGE ADVANTAGES



sustainable



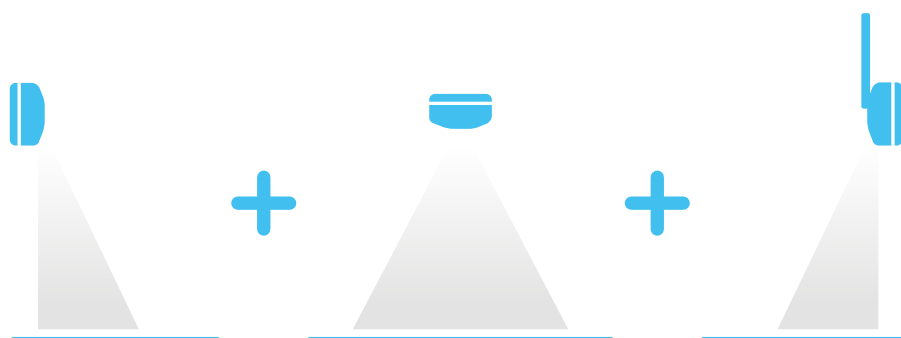
design



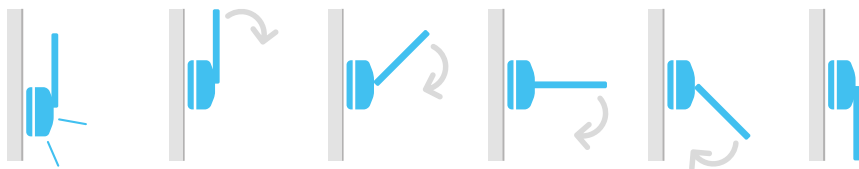
Minimalist design and perfect integration



optics



Optimization. Optics for different objectives

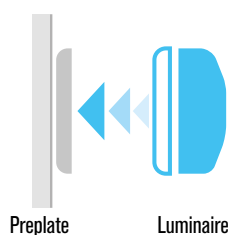


100% flexible



exit sign

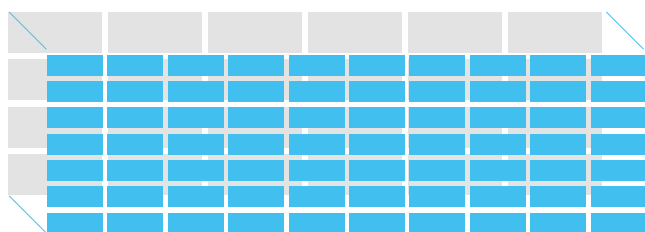
Easy and quick installation



Just a "click"



quick installation



3x

up to 60% more luminaires  
in the same space



easy storage







# ALYA

IP20

IK04

Lm  
170  
390

LED  
4000°K

1-3h.  


LiFePO<sub>4</sub>



850°

A very small, compact, eco and flat emergency luminaire.

The size is extremely small, almost **4 times smaller** than the very well known “Diana” light from Zemper.



Alya has a large range of models with

- LFP batteries
- Flux between 170 lumens to 390 lumens
- 1 hour or 3 hours of duration
- Types: selftest, wireless or DALI
- Possibility to be recessed with an additional frame
- Colours: Black and white

The main difference of the Alya design with other luminaires is the lens. Alya is suitable for evacuation and antipanic.



Real size

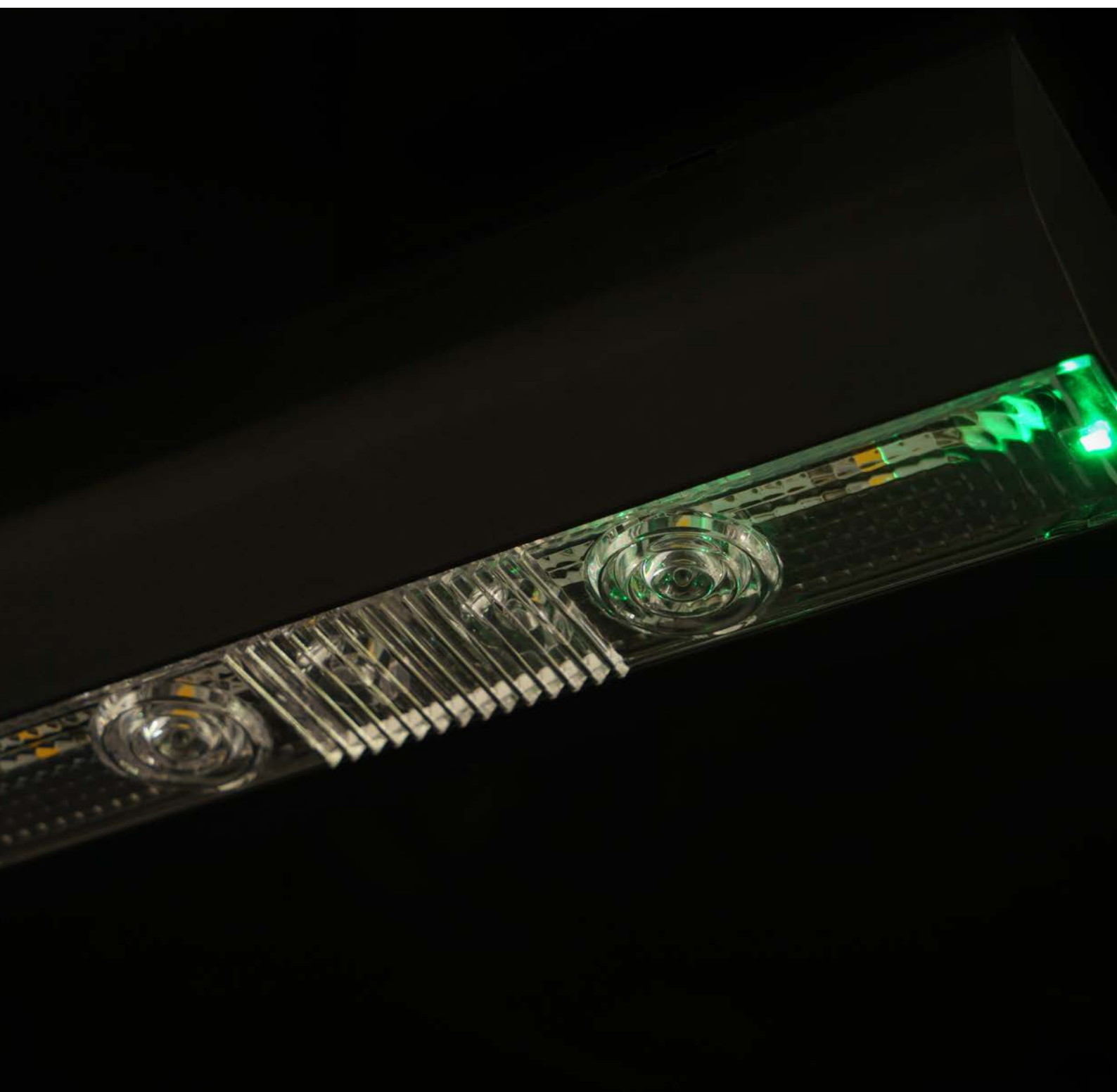
Desing by Ángel Díaz Cambroneró.



recessed

surface

# ALYA





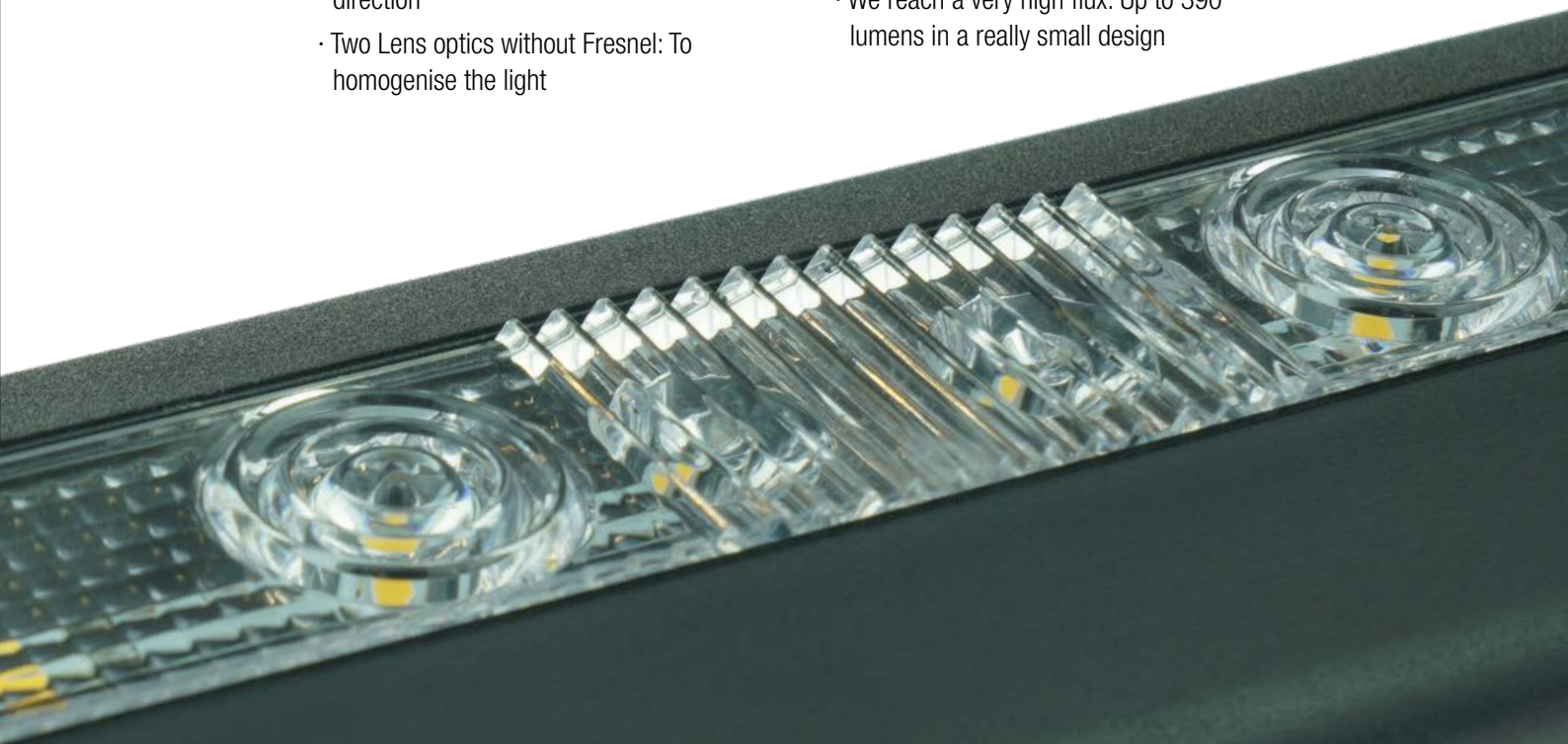
## smart application of optics

In the Alya's lens there are **three different parts with different objectives**:

- Two Circular Fresnel optics: These parts open the light in both directions
- Two Total Internal Reflexion optics: Each part sends the light very far in only one direction
- Two Lens optics without Fresnel: To homogenise the light

The addition of these three optical parts achieve the optimal requirements for an **exceptional light behaviour**:

- Very large interdistance in both sides, maintaining the high flux of the luminaire in all directions.
- We reach a very high flux: Up to 390 lumens in a really small design

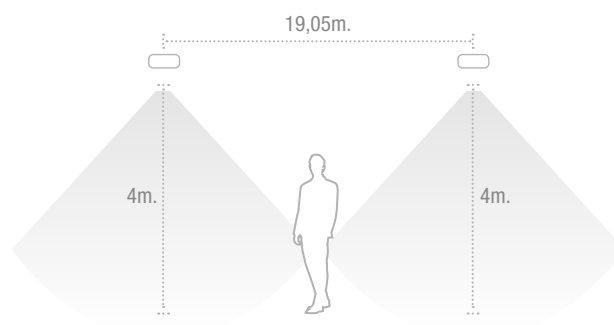




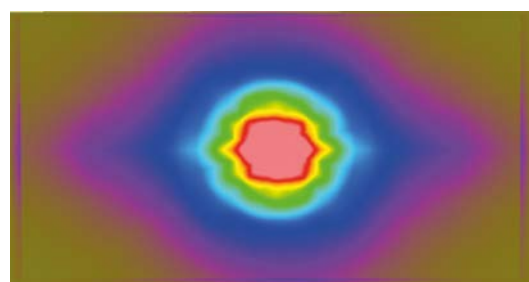
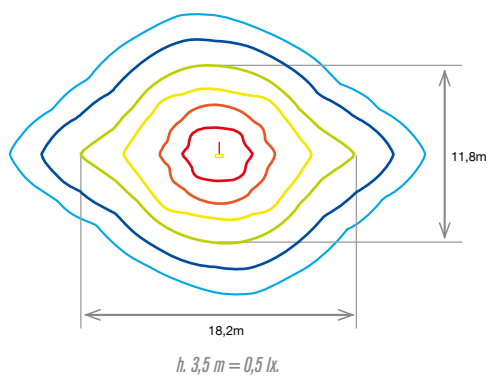
## SPACING DATA

Position	Height			
	2,5	3,0	3,5	4,0
	3,72	4,45	4,48	4,55
	9,48	11,36	12,20	12,52
	12,11	14,53	15,00	15,40
	14,84	17,81	18,88	19,05
	5,54	6,65	6,59	6,51

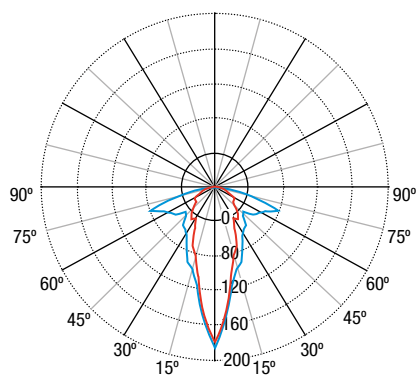
Interdistances calculated with 390 lm and  $E_{min} = 1 \text{ lx}$



## ISOLUX CURVES



## PHOTOMETRIC CURVES

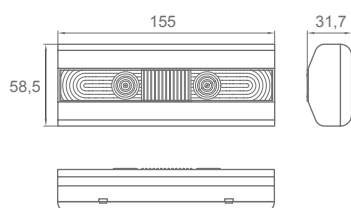




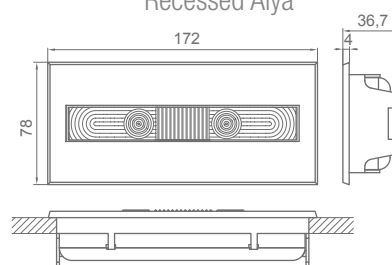
## DIMENSIONS



Surface Alya



Recessed Alya



## REFERENCES

lm	Type*	Dur	Battery (Units/Ah)	Selftest	Wireless	DALI
390	NM	1	3,2V 1,5A/h LFP	LYA3400LX		
350	M/NM	1	3,2V 1,5A/h LFP		LYA3400LDPW	LYA3400LAP
390	M/NM	1	3,2V 1,5A/h LFP	LYA3400LXP		
170	NM	3	3,2V 1,5A/h LFP	LYA3200LX3		
170	M/NM	3	3,2V 1,5A/h LFP		LYA3200LDP3W	LYA3200LAP3
260	M/NM	3	3,2V 3,0A/h LFP		LYA3300LDP3W	
280	M/NM	3	3,2V 3,0A/h LFP			LYA3300LAP3
300	M/NM	3	3,2V 3,0A/h LFP	LYA3300LXP3		

\*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, include "N" at the end of the reference. Luminous flux decreases by 18% in black colour version.

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

# WALYA

IP20

IK04

Lm  
150  
300

LED  
4000°K

1-3h.  


LiFePO<sub>4</sub>



850°

The wall-specific emergency luminaire.

Specially designed for walls in a corridor.

Walya is able to expand the interdistance in a wall **up to 12.85 meters.**

Walya has the same range and possibilities than Alya, with a flux from **150 to 300 lumens.**

Walya's lens has a **very original and impressive design**, specially designed for wall applications. The objective is to open the light as much as possible for the luminaires assembled in the walls of corridors.



Real size









## the intelligent use of lens

In Walya's lens there are two different parts:

- Two LEDs optics with very big wings: These parts send the light very far along the wall of the corridor
- Two Lens optics without Fresnel: These parts send the light to the down part, to achieve the same flux in all the path

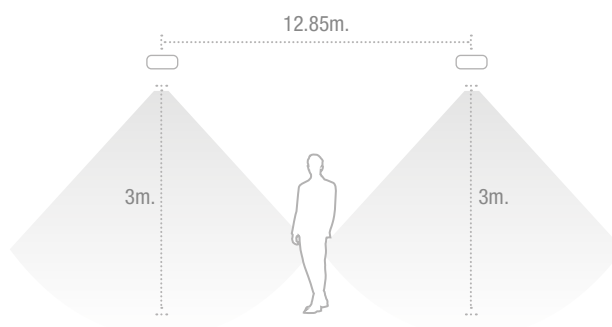
The result is spectacular and this luminaire achieves an incredible interdistance of 12,85 meters in a corridor. We reach up to 300 lumens with only 4 LEDs



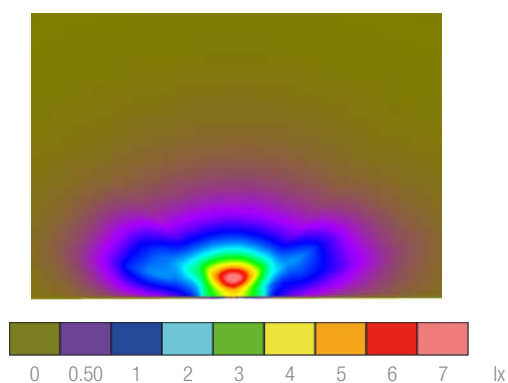
## SPACING DATA

Position	Height				
	2,0	2,5	3,0	3,5	4,0
	12,27	12,80	12,85	12,70	12,19
	4,57	4,24	4,00	3,61	3,24

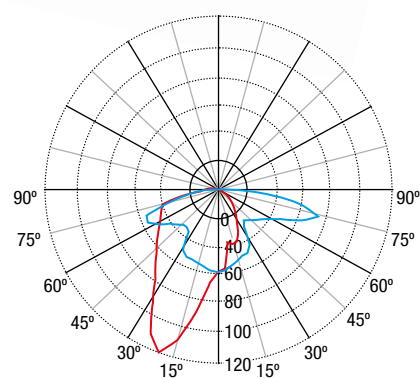
Interdistances calculated with 300 lm and  $E_{min} = 1 \text{ lx}$



## ISOLUX CURVES

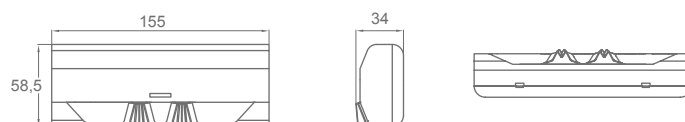


## PHOTOMETRIC CURVES





## DIMENSIONS



## REFERENCES

lm	Type*	Dur	Battery (Units/Ah)	Selftest	Wireless	DALI
260	NM	1	3,2V 1,5A/h LFP		LYW3300LDW	
260	M/NM	1	3,2V 1,5A/h LFP		LYW3300LDPW	
300	NM	1	3,2V 1,5A/h LFP	LYW3300LX		
260	M/NM	1	3,2V 1,5A/h LFP			LYW3300LAP
150	NM	3	3,2V 1,5A/h LFP	LYW3150LX3	LYW3150LD3W	
150	M/NM	3	3,2V 1,5A/h LFP			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, include "N" at the end of the reference. Luminous flux decreases by 18% in black colour version.





EXITALYA





# EXITALYA



IP20

IK04



LED  
4000°K

1-3h.

LiFePO<sub>4</sub>



## Surface, Surface LEDs and Recessed

The Exitalya is the main application of this family.

The design is specially done to have a very compact and flat exit sign.

This original design, with its moving pictogram part, can be installed in any surface: ceiling, walls and inclined roofs.



Surface LEDs



850°





Surface

## adaptable

The Exitalya can be installed with interchangeable pictograms with a very easy way to change them.

The Exitalya can also be used in the wall assembly with the same lens than the Walya to proportionate also the wall corridor lighting.



Exitalya can also be installed surface or recessed.

It is supplied with a complete set of pictograms



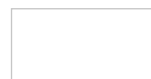
1 unit x EEP407



1 unit x EEP408



2 units x EEP409



1 unit x EEP406

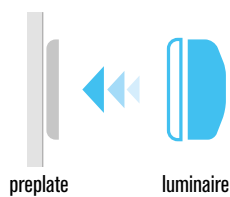


Surface

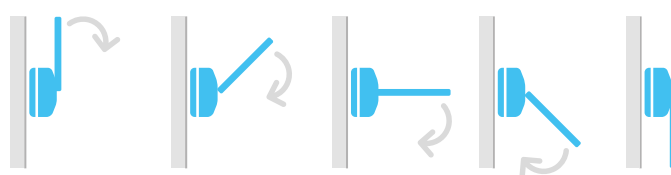
## versatility



Quick installation



Adaptable 180°





Recessed

## 180° adaptable

Its specific design makes it a signaling luminaire 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.

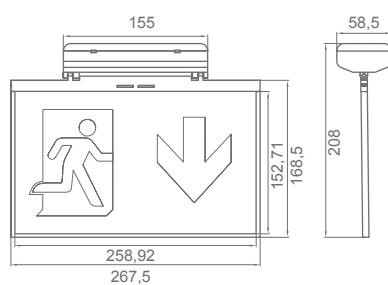




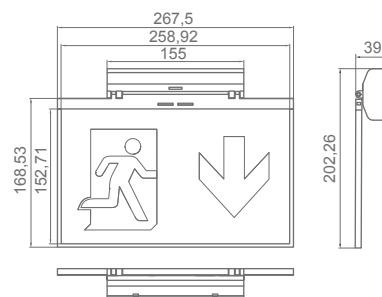
## Surface

### DIMENSIONS

Surface Ceiling Mounting



Surface Wall Mounting

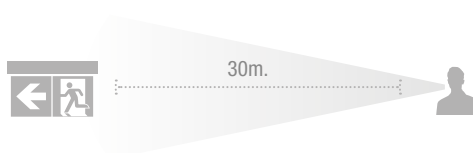


### REFERENCES

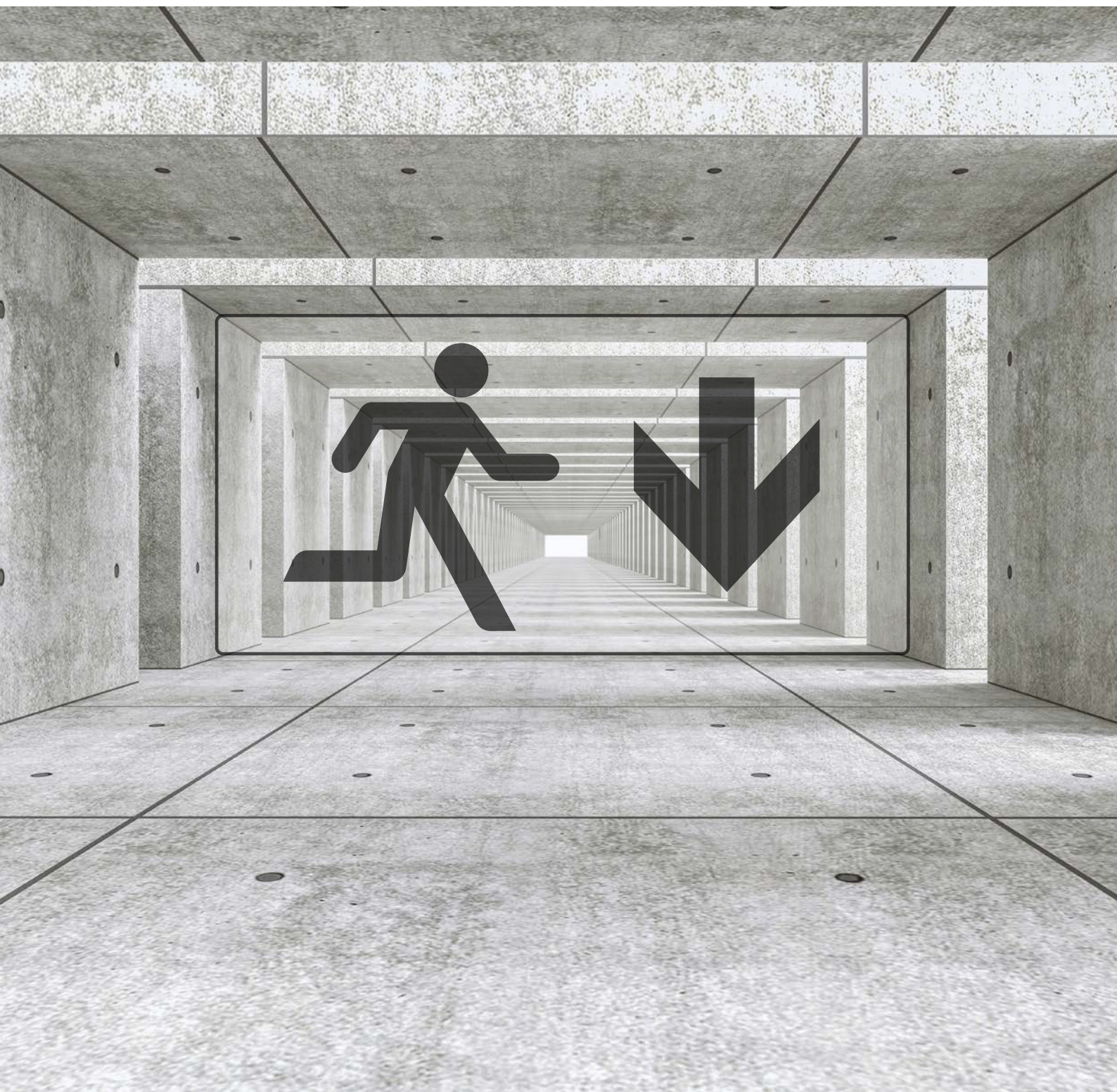
View Distance	Type*	Dur	Battery (Units/Ah)	Selftest	Wireless	DALI
30	M	1	3,2V 1,0A/h LFP	LYE3070LXP	LYE3070LDPW	LYE3070LAP
30	M	3	3,2V 1,5A/h LFP	LYE3070LXP3	LYE3070LDP3W	LYE3070LAP3

\*M: Maintained. The luminaire operates from the normal or emergency supply at all material time.  
For black version, include "N" at the end of the reference.

### VIEWING DISTANCE





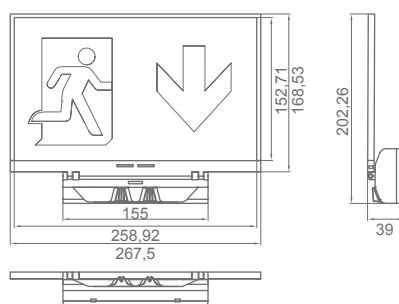




## Surface LEDs

### DIMENSIONS

Surface Wall Mounting



### REFERENCES

lm	View Distance	Type*	Dur	Battery (Units/Ah)	Selftest	Wireless	DALI
120	30	M/NM	1	3,2V 1,5A/h LFP	LYE3120LXP	LYE3120LDPW	LYE3120LAP LYE3120LAP3
120	30	M/NM	3	3,2V 3,0A/h LFP	LYE3120LXP3	LYE3120LDP3W	
120	30	M	1	3,2V 1,5A/h LFP			
120	30	M	3	3,2V 3,0A/h LFP			

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

\*M: Maintained. The luminaire operates from the normal or emergency supply at all material time.

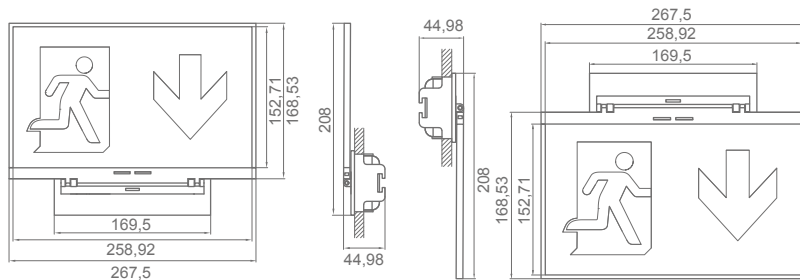
For black version, include "N" at the end of the reference. Luminous flux decreases by 18% in black colour version.



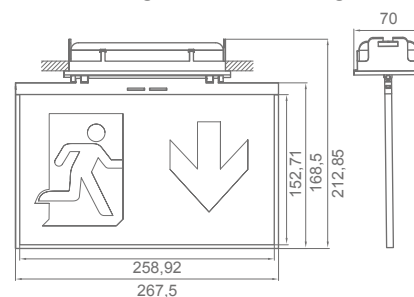
## Recessed

### DIMENSIONS

Recessed Wall Mounting



Ceiling Recessed Mounting



### REFERENCES

View Distance	Type*	Dur	Battery (Units/Ah)	Selftest	Wireless	DALI
30	M	1	3,2V 1,0A/h LFP	LYR3070LXP	LYR3070LDPW	LYR3070LAP
30	M	3	3,2V 1,5A/h LFP	LYR3070LXP3	LYR3070LDP3W	LYR3070LAP3

\*M: Maintained. The luminaire operates from the normal or emergency supply at all material time.  
For black version, include "N" at the end of the reference.

# EXITALYA RED



## Wall Mounting

Im	View Distance	Type*	Dur	Battery (Units/Ah)	Selftest	Wireless	DALI
120	30	M/NM	1	3,2V 1,5A/h LFP	LYE3125LXP	LYE3125LDPW	LYE3125LAP LYE3125LAP3
120	30	M/NM	3	3,2V 3,0A/h LFP	LYE3125LXP3	LYE3125LDP3W	
120	30	M	1	3,2V 1,5A/h LFP			
120	30	M	3	3,2V 3,0A/h LFP			

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

\*M: Maintained. The luminaire operates from the normal or emergency supply at all material time.

For black version, include "N" at the end of the reference. Luminous flux decreases by 18% in black colour version.

It is supplied with a complete set of pictograms



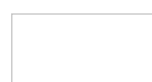
1 unit x EEP410



1 unit x EEP411



1 unit x EEP412



1 unit x EEP406

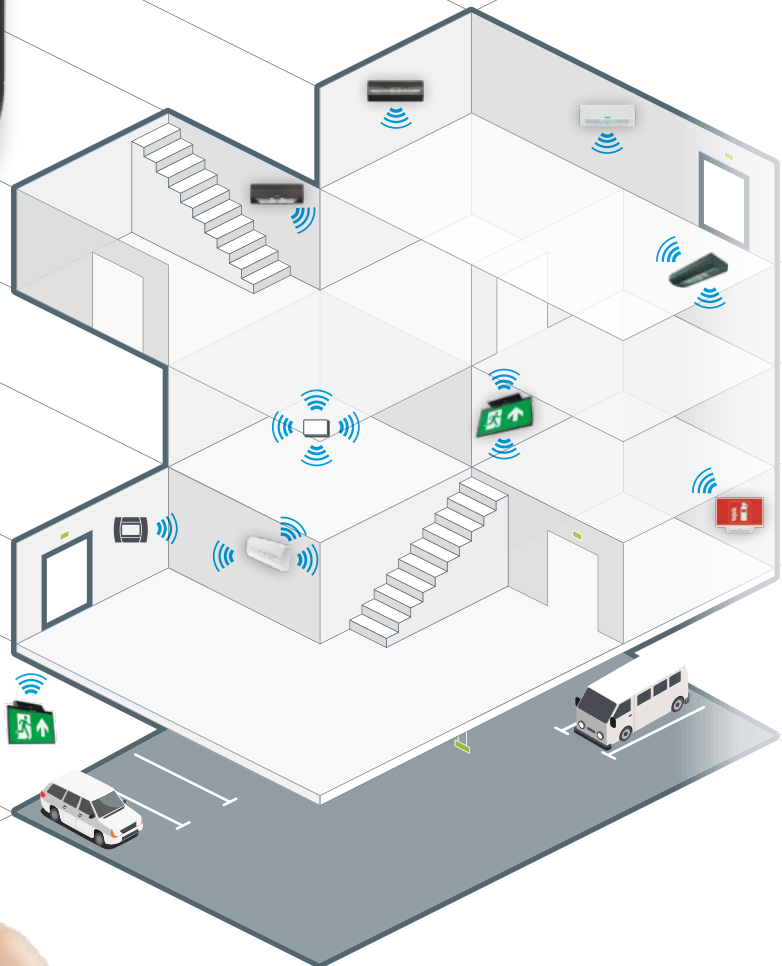







## WHY WSS?

- ZEMPER WSS (wireless control system) highly reduces installation costs (no additional wiring)
- It saves a lot of money for medium and big installations and can help in hard refurbishments projects
- One concentrator can control 130 luminaires within 6 available frequencies
- ZEMPER WSS needs one Control Unit per 8 Concentrators, that means up to 1040 luminaires
- ZEMPER WSS can mix wire and wireless technologies in the same solution



# Alya range available in wireless control system

Centralized and remote management system for multiple emergency lighting installations for monitoring and maintenance



Centralized installations monitoring management system via web server.

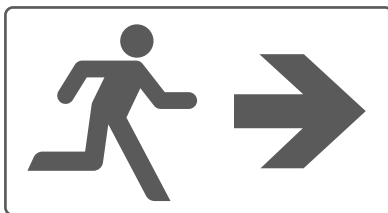


ZD PRO WEB takes over all the control, and it generates an electronic log book for all connected systems.

Different installations monitored with a single software and visualised at once.



Worldwide multi-building remote programming and maintenance assistance.



# **ZEMPER**

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