

**ZEMPER**

THE EMERGENCY LIGHTING SPECIALIST



SPAZIO MINI / NANO

# SPAZIO MINI

the invisible luminaire



∅ 36 mm

Real size

**ZEMPER**



AutoTest & WSS Lithium & DALI2

## Emergency luminaire for suspended ceilings



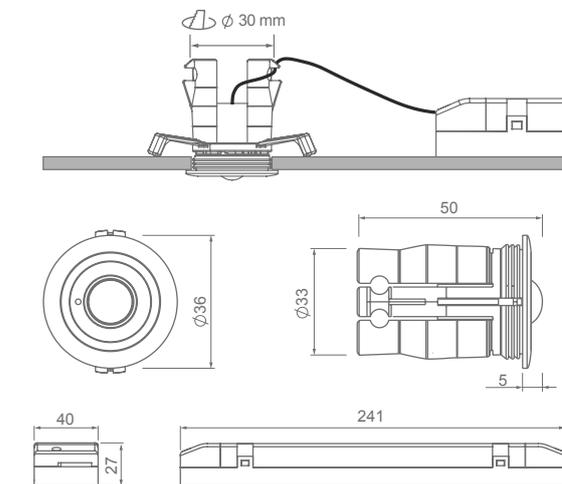


## Maximum performance, Minimum size

-  Polyamide body
-  Escape route lens - D  
Anti-panic lens - R
-  IP42
-  IK04
-  165 lm - 250 lm
-  Duration: 1 - 3 h · Battery: LFP
-  Charging time: 12 h
-  Supply: 230 V - 50 Hz
-  LED temperature: 4000 °K
-  Working temperature: 0 °C to +40 °C
-  AutoTest
-  Wireless addressable monitoring



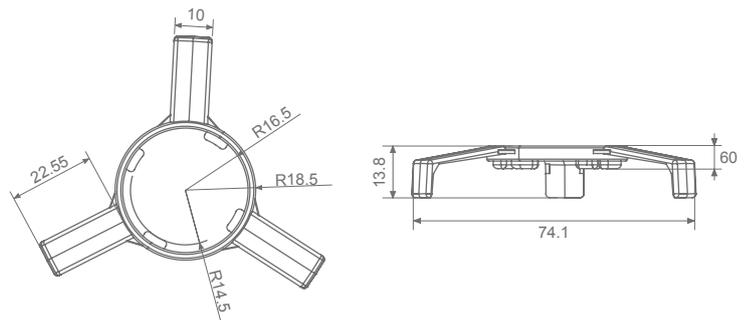
### DIMENSIONS (mm)



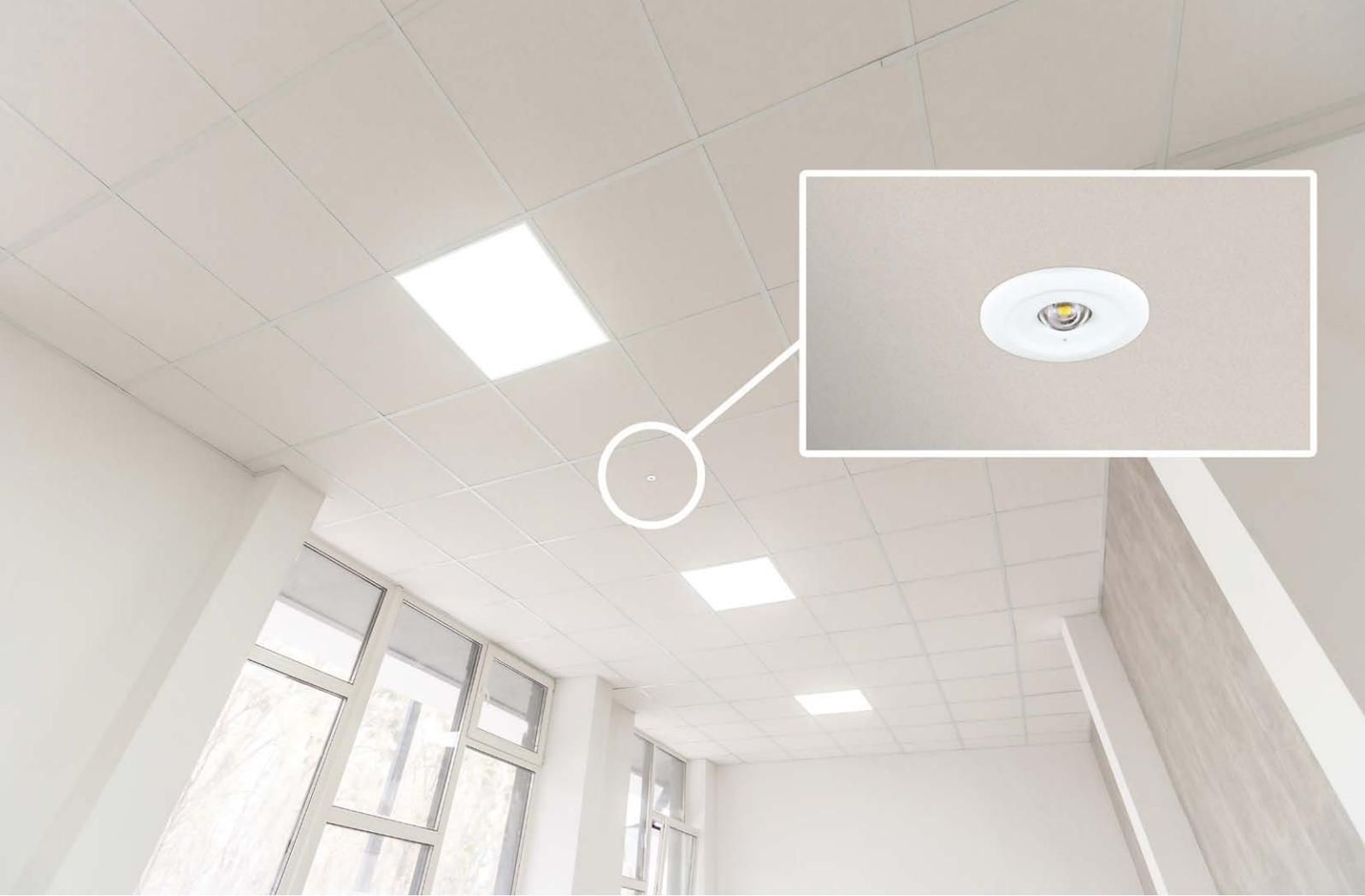
### STANDARDS COMPLIANCE

EN-60598-2-22  
 AutoTest: EN-62034  
 Wireless: ETSI EN 300 220  
 DALI: EN 62386

### CERTIFICATIONS



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



## Created to ensure safety in risk situations

### RANGE

	Emergency	Mains	Type*	Lens**	Dur.	Battery	Ref.
AutoTest	250 lm		NM	R	1 h	3.2V 1.5A/h LFP	LMR9250LX
	250 lm		NM	D	1 h	3.2V 1.5A/h LFP	LMR9251LX
	250 lm	150 lm	M/NM	R	1 h	3,2V 1,5A/h LFP	LMR9250LXP
	250 lm	150 lm	M/NM	D	1 h	3,2V 1,5A/h LFP	LMR9251LXP
Wireless	250 lm	150 lm	M/NM	R	1 h	3.2V 1.5A/h LFP	LMR9250LDPW
	250 lm	150 lm	M/NM	D	1 h	3.2V 1.5A/h LFP	LMR9251LDPW
	165 lm	100 lm	M/NM	R	3 h	3.2V 1.8A/h LFP	LMR9170LDP3W
	165 lm	100 lm	M/NM	D	3 h	3.2V 1.8A/h LFP	LMR9171LDP3W
DALI	250 lm	150 lm	M/NM	R	1 h	3.2V 1.5A/h LFP	LMR9250LAP
	250 lm	150 lm	M/NM	D	1 h	3.2V 1.5A/h LFP	LMR9251LAP
	165 lm	100 lm	M/NM	R	3 h	3.2V 1.8A/h LFP	LMR9170LAP3
	165 lm	100 lm	M/NM	D	3 h	3.2V 1.8A/h LFP	LMR9171LAP3

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

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

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

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

# SPAZIO MINI

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## SPACING TABLE

### ESCAPE ROUTE LENS

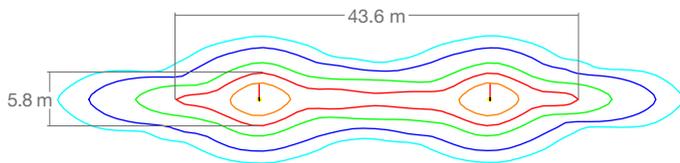


Spacing table calculated with 1 lux minimum illuminance and 0.9 maintenance factor

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

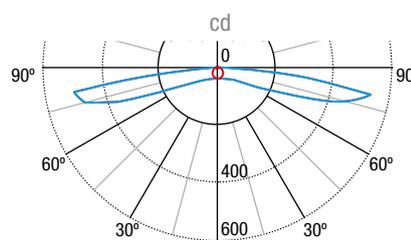
## ISOLUX CURVE

250 lm luminaire placed at 3 m height



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

## PHOTOMETRIC GUIDE



— C0 - C180 — C90 - C270

# SPAZIO MINI

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## SPACING TABLE

### ANTI-PANIC LENS

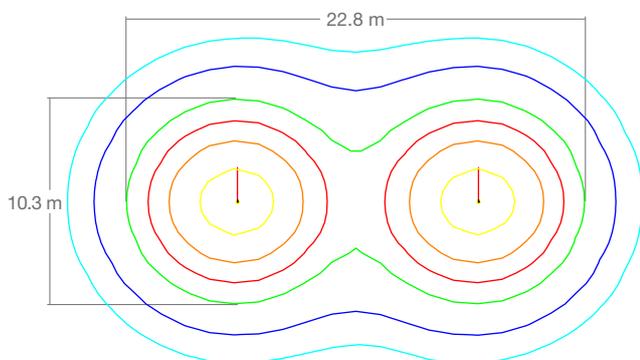
Spacing table calculated with 0.5 lux minimum illuminance and 0.9 maintenance factor



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

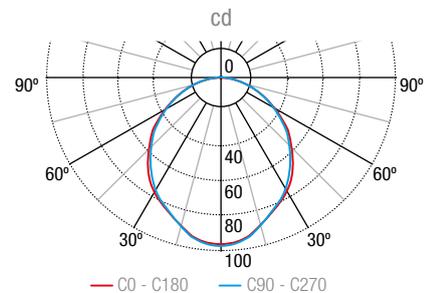
## ISOLUX CURVE

250 lm luminaire placed at 3 m height

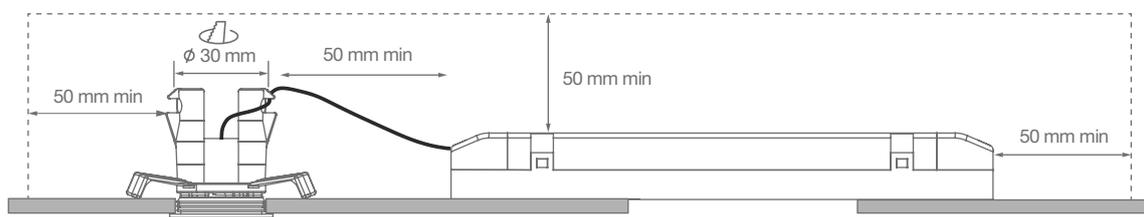


Isoline — 0.1 lx — 0.2 lx — 0.5 lx — 1.0 lx — 2.0 lx — 5.0 lx

## PHOTOMETRIC GUIDE



## Extremely easy to install



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.

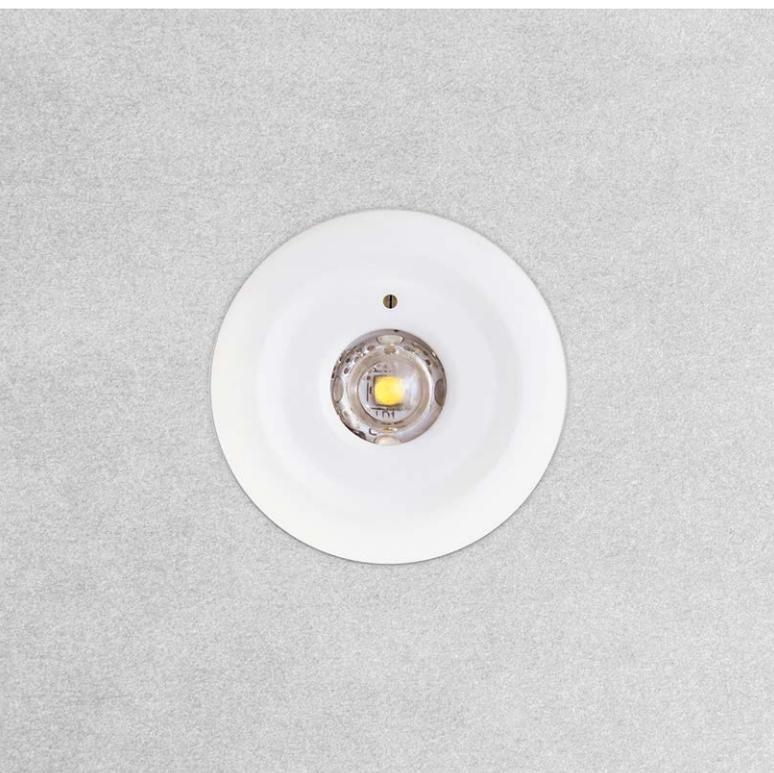
Designed for suspended ceilings of any material and thickness



Plaster



Metal



Plasterboard



Wood

# SPAZIO NANO

the smallest luminaire  
we have ever made



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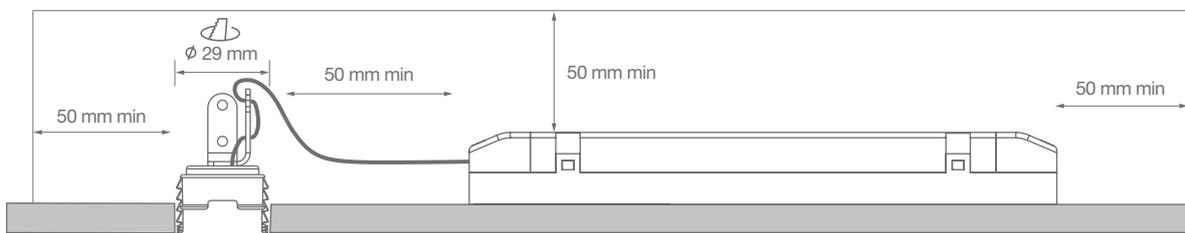
WARRANTY  
**5**  
YEAR

AutoTest & WSS Lithium & DALI2

## Luminaire recommended for slatted ceilings



## Luminaire recommended for continuous luminaires



**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.

# SPAZIO NANO

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# SPAZIO NANO

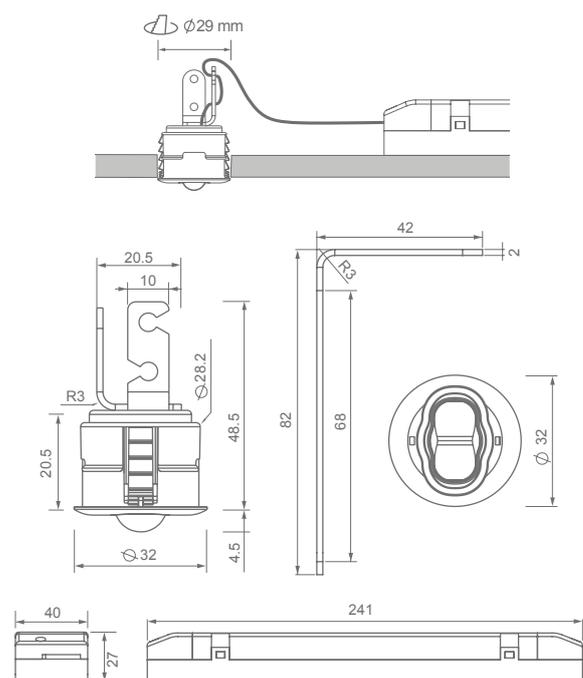


AutoTest & WSS Lithium & DALI2

-  Polycarbonate body
-  Escape route lens - D  
Anti-panic lens - R
-  IP42 (slatted ceilings: IP20)
-  IK04
-  165 lm - 250 lm
-  Duration: 1 - 3 h · Battery: LFP
-  Charging time: 12 h
-  Supply: 230 V - 50 Hz
-  LED temperature: 4 000 °K
-  Working temperature: 0 °C to +40 °C
-  AutoTest
-  Wireless addressable monitoring



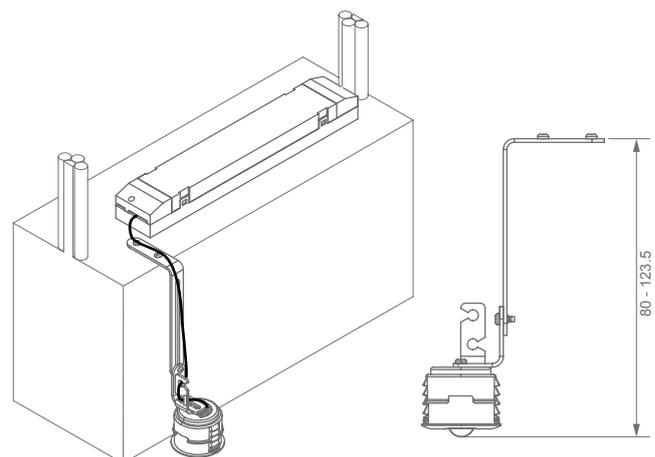
## DIMENSIONS (mm)



## STANDARDS COMPLIANCE

EN-60598-2-22  
 AutoTest: EN-62034  
 Wireless: ETSI EN 300 220  
 DALI: EN 62386

## CERTIFICATIONS





RANGE

	Emergency	Mains	Type*	Lens**	Dur.	Battery	Ref.
AutoTest	250 lm		NM	R	1 h	3.2V 1.5A/h LFP	LML9250LX
	250 lm		NM	D	1 h	3.2V 1.5A/h LFP	LML9251LX
	250 lm	150 lm	M/NM	R	1 h	3,2V 1,5A/h LFP	LML9250LXP
	250 lm	150 lm	M/NM	D	1 h	3,2V 1,5A/h LFP	LML9251LXP
Wireless	250 lm	150 lm	M/NM	R	1 h	3.2V 1.5A/h LFP	LML9250LDPW
	250 lm	150 lm	M/NM	D	1 h	3.2V 1.5A/h LFP	LML9251LDPW
	165 lm	100 lm	M/NM	R	3 h	3.2V 1.8A/h LFP	LML9170LDP3W
	165 lm	100 lm	M/NM	D	3 h	3.2V 1.8A/h LFP	LML9171LDP3W
DALI	250 lm	150 lm	M/NM	R	1 h	3.2V 1.5A/h LFP	LML9250LAP
	250 lm	150 lm	M/NM	D	1 h	3.2V 1.5A/h LFP	LML9251LAP
	165 lm	100 lm	M/NM	R	3 h	3.2V 1.8A/h LFP	LML9170LAP3
	165 lm	100 lm	M/NM	D	3 h	3.2V 1.8A/h LFP	LML9171LAP3

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## SPACING TABLE

### ESCAPE ROUTE LENS

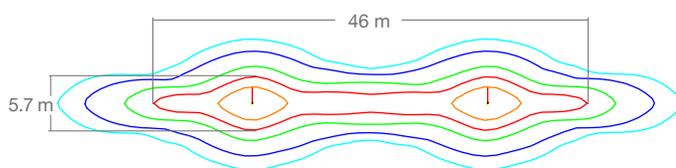
Spacing table calculated with 1 lux minimum illuminance and 0.9 maintenance factor



Height (H)	Spacing Data (d)	
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4 m	21.3 m	30.5 m
5 m	12.0 m	25.8 m
6 m	6.3 m	15.2 m

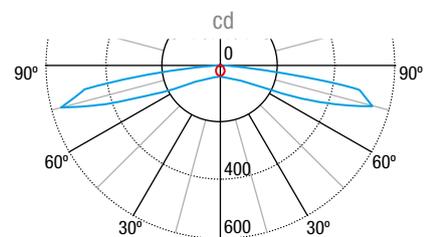
## ISOLUX CURVE

250 lm luminaire placed at 3 m height



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

## PHOTOMETRIC GUIDE



— C0 - C180 — C90 - C270

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## SPACING TABLE

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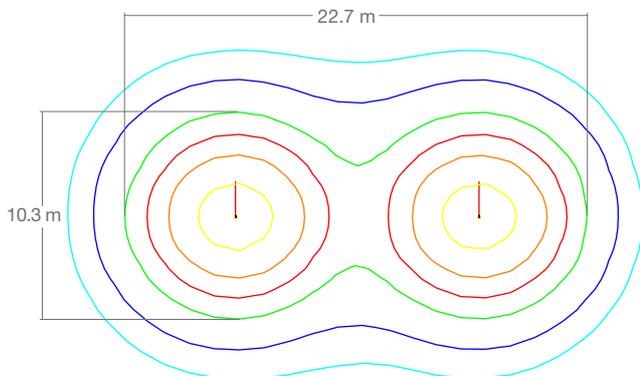
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Height (H)	Spacing Data (d)	
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2.5 m	10.4 m	11.6 m
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5 m	13.4 m	15.5 m
6 m	14.0 m	16.4 m

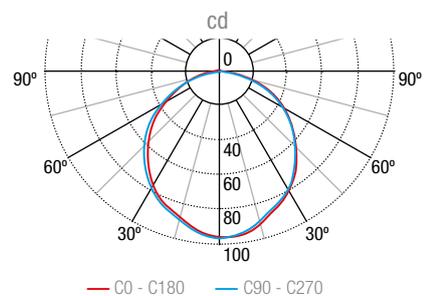
## ISOLUX CURVE

250 lm luminaire placed at 3 m height



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

## PHOTOMETRIC GUIDE



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THE EMERGENCY LIGHTING SPECIALIST

Designed for sustainability

Over 60% of luminaire is recyclable

30% of manufacturing energy comes from renewable sources

Low environmental footprint

100% recycled and recyclable packaging

Highly efficient optics

Reduced product dimensions

Less CO<sub>2</sub> in transport

Reduced instead of less

Recognition in sustainability with Ecovadis Silver



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



**The Zemper Way  
to a Better World**



Entirely designed and  
manufactured in **Spain**



## The Zemper Way to a Better World

We use recycled paper in the production of our catalogues, thus contributing to the conservation of forests and biodiversity. This paper requires up to 50% less energy and 90% less water, which significantly reduces environmental impact, reduces carbon dioxide emissions and promotes the circular economy. The ink we use is free of mineral oils, cobalt salts and VOCs (volatile organic compounds) so we contribute to limiting the environmental impact. We make more sustainable decisions and help protect our Planet.

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# ZEMPER

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