

Emergency lighting

No improvisation  
on safety!

# Exiway

02-2013

## A brilliant idea to discover



Schneider  
Electric



**Info for countries:**

**Red text:** texts must be checked by each country.  
Not applicable for all.

P10323



Exiway One

P10328



Exiway Plus

P106985



Exiway Class

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# Schneider Electric: a partner with true arguments to enhance buildings' safety

## Schneider Electric launches Exiway

This emergency lighting product range is specially designed to make installation and maintenance cycles easier and safer. To ensure the lighting system's reliability and performance over time. The Exiway range has also been designed to contribute to cost savings and fit into all types of interior layout.

P119167



**Developed  
in close cooperation  
with architects and  
installers, Exiway  
makes no compromise  
between design  
and safety.**

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A product of Schneider Electric expertise and experience, **Exiway** range profits from a quite new conception.

**Exiway**'s design is completely oriented toward simplicity and speed of installation, long-term reliability and cost savings. **Exiway** offers a top-level emergency lighting solution for buildings in the tertiary, industrial, public and residential sectors, whether for new buildings or renovation projects.

# No improvisation on safety!

Emergency lighting prevent and manage panic movements in event of serious problems as for example fire or earth quake. Adapted to all types and sizes of buildings (hotels, malls, hospitals, offices, museums...) Schneider Electric's emergency lighting range is essential stand-by devices guaranteeing safety for their occupants.

## Emergency light fittings

P122135  
"Avoid public panic for greater safety"

Emergency light fittings provide a sufficient lighting level in the event of mains failure.

### 2 mains benefits for buildings' occupants:

- Risk of panic is decreased.
- The path and obstacles are made visible for complete safety.



## Emergency exit signs

"Guide the public simply and effectively! "

The "running man" is the **international symbol** used to indicate the direction of evacuation and emergency exits in public places.

In case of panic, this pictogram is intuitively understandable by all types of public: foreigners, children, etc...

# 3 designs to change our view

## > Exiway One

P110321



## > Exiway Plus

P110326



### Simple

**Exiway** is easy to understand, to assemble, to install and to maintain.

**Exiway** offers more solutions with fewer products.

**Exiway** is designed for faster and simpler installation.

### Reliable

The stated performance levels are constant and guaranteed over time (certified IMQ, CE, ENEC and AENOR). LED technology reduces energy consumption and increases the degree of reliability and the lifespan of the installation.

### Wide

All **Exiway** range models benefit from the same style, functionality, installation and maintenance facility. They also share the same accessories.



#### International standards

The Exiway ranges conform to international standards EN 1838 and EN 60598-2-22.

# of emergency lighting!



## > Exiway Class



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### Green

**Exiway's** eco-design process comply with European RoHS directives (uses fewer raw materials and polluting substances). 20% of the plastics used come from recycled materials. The materials and packagings are recyclable.

**Exiway** consumes less energy and is planet friendly. Simply!

DB119765



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### Design

**Exiway** fits perfectly into any type of building (modern, classic, architectural) and space (parking lot, corridors, lobbies etc.).

### Safe

User safety is assured at every step of installation and maintenance.

### LED technology

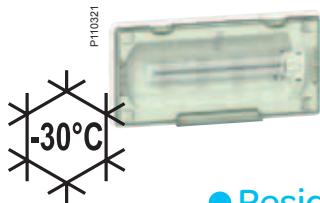
- More than 10 years excepted service life: no relamping
- Half the consumption
- High safety level
- Environmentally-friendly
- More cost-effective than a fluorescent tube solution



# The right design for the right site...

Even if they can be easily combined in a same building (pages 8 & 9), Exiway ranges have been developed to bring a customized solution to every kind of sites and needs.

## Exiway One



### ● Residential, small shops...

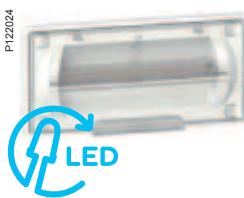
#### Exiway One

is particularly well adapted for small sites: shops, flats.... A versatile solution for traditional installation to suite all technical requirements: IP, flux level...



### ● Schools, hospitals, Malls...

**Exiway One HF** Increases the useable lit area and equalizes the luminous flux on the floor. So they are suited for places requiring a high level of security or where lights have to be installed in high height.



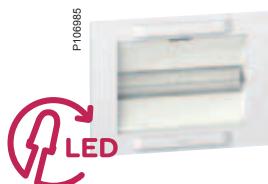
### ● Exiway One Led

#### Activa and Dardo versions

performance and security: more than 10 years expected service life (in typical ambient temperature\* condition), less maintenance, less consumption of energy...  
(\*) Typical ambient temperature: 25°C

### ● Exiway One -30°C and Ni-Mh versions

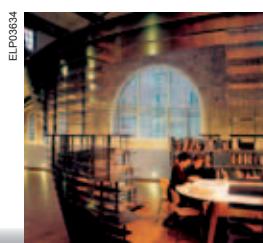
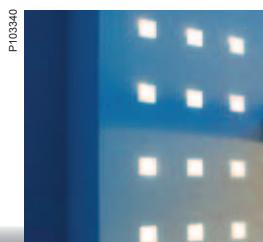
## Exiway Class



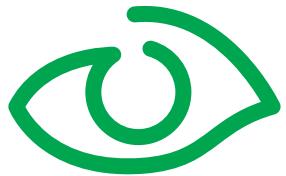
### ● Museums, theaters, standing hotels, villas,...

#### Exiway Class

is made with the best material (mineral glass...) and fully includes the last technology in emergency products (LED, electronics...). This range, developed with architects, is the solution for architectural ambiance and luxury places.

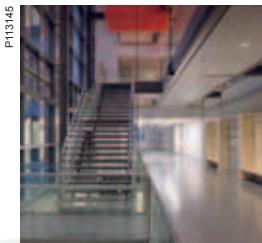


# in the right place!



See below a first answer to the question:

## Which Exiway solution for which kind of building?



Exiway **Plus**



Exiway **LED**

### ● Brand shop, small hotels...

#### Exiway Plus

When the need is quite simple, but the design becomes a main driver.

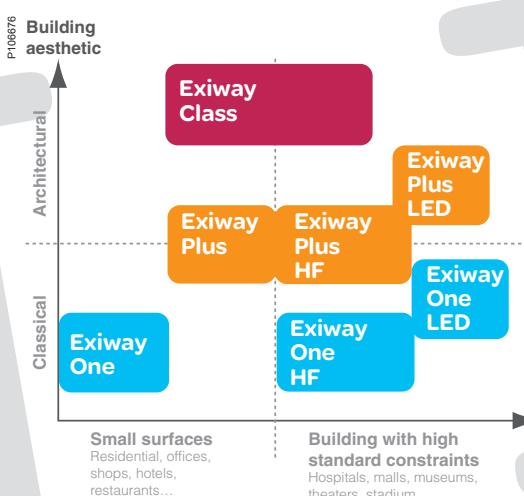
### ● Architectural offices

#### Exiway Plus HF

When high performance and advanced design are required.

#### Exiway Plus LED

The perfect association between performance, design and security:  
more than 10 years expected service life (in typical ambient temperature\* condition), less maintenance, less consumption of energy...  
(\* Typical ambient temperature: 25°C)

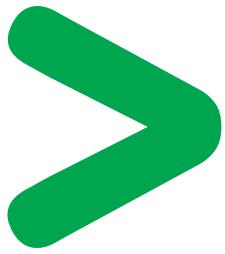


### Oxytech software:

#### Quick and accurate calculation

- Ideal tool for the project mode
- Used to draw and import any architectural plans (CAD files)
- You select the ranges; the software determines the product references and their location
- Equipment quotes possible
- Direct access to product sheets
- User-friendly interface in 14 languages

Available on the Schneider Electric website or on CD-ROM (delivered with the offer).



# Case study: all Exiway in

We have just seen on pages 6 and 7 how easy it is to determine the ideal Exiway of the same building need to be equipped (car parks, corridors, offices etc.), standard, Activa or Dardo versions – IP – Diffusion of luminous flux: Fresnel, With Exiway you have all the cards in hand to make the right choices!

## Dardo: Automatic and remote testing

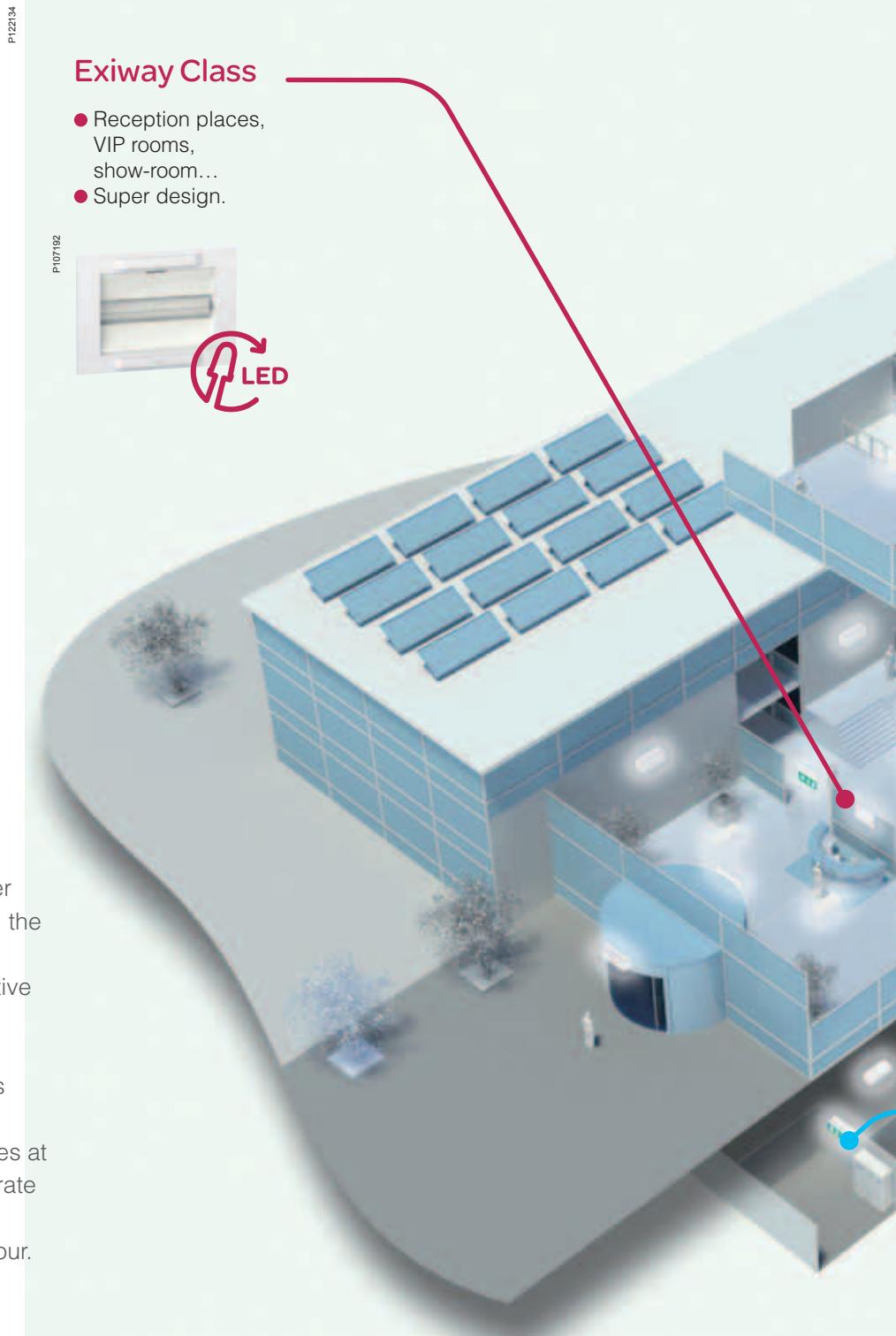
The "Dardo" addressable system centralises and automates mandatory emergency lighting installation checks: simplification of monthly and annual tests, reduced maintenance time and costs, increased installation safety level, etc.

## Self-diagnosis version (Activa):

### Save time during test and maintenance!

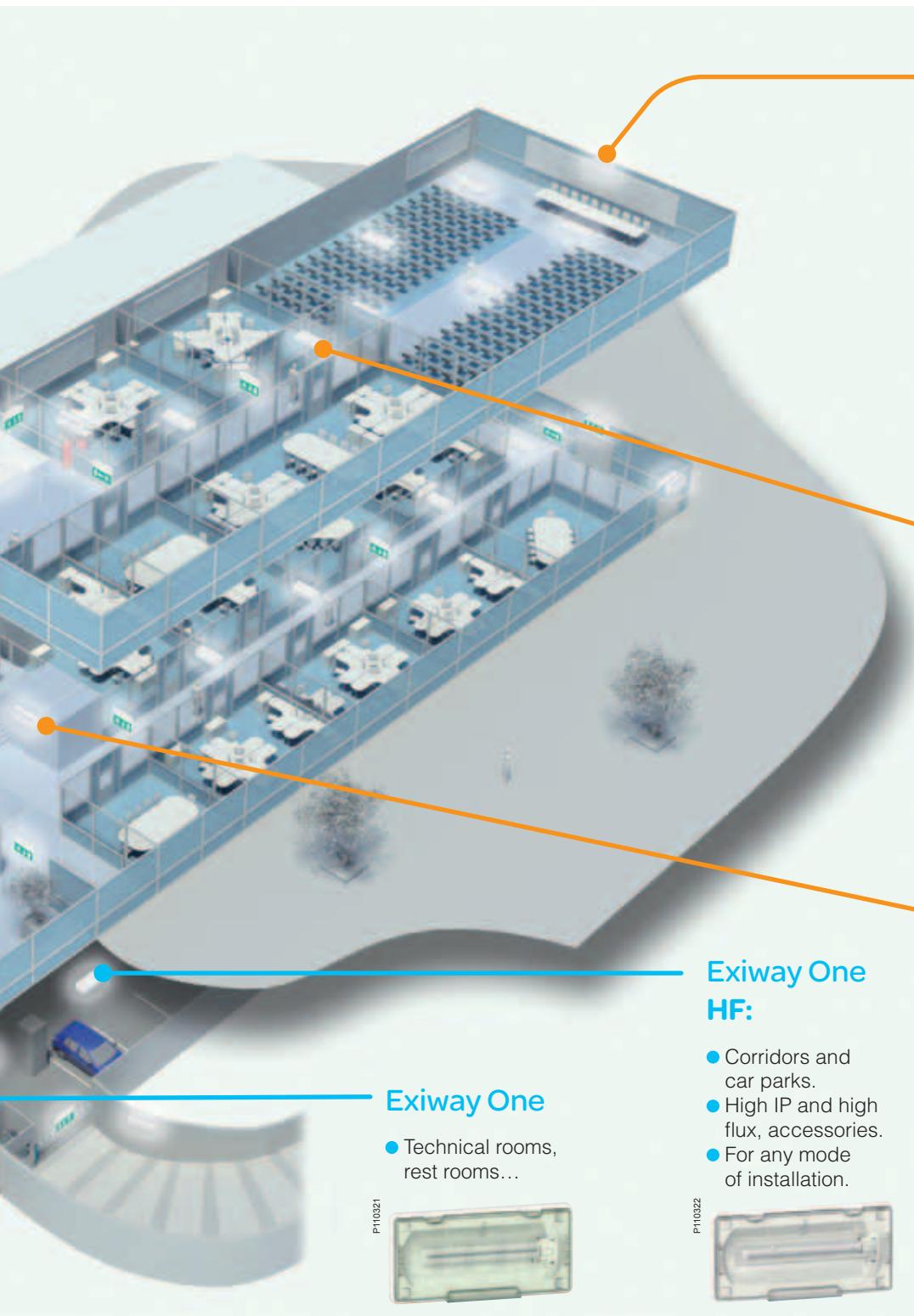
Some light fittings are available in a self-test version. These devices make their operational tests.

They tell whether the light source, the battery or the device is defective (and has to be replaced). The diagnosis is displayed by a diode that flashes at an appropriate rate and in an appropriate colour.



# a same building!

solution according to the type and aesthetic of the building. When different areas the choice can also depend on the functionalities offered by Exiway products: Opaline, transparent – Technology: LED or fluorescent tube.



## Exiway One

- Technical rooms, rest rooms...

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P110322

## Exiway One HF:

- Corridors and car parks.
- High IP and high flux, accessories.
- For any mode of installation.

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## Exiway Plus LED:

- Meeting rooms with high height Design,
- high performance and extra low maintenance.

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## Exiway Plus HF:

- Big offices, conference rooms.
- Design and high performance.

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## Exiway Plus

- Small offices.
- Design.

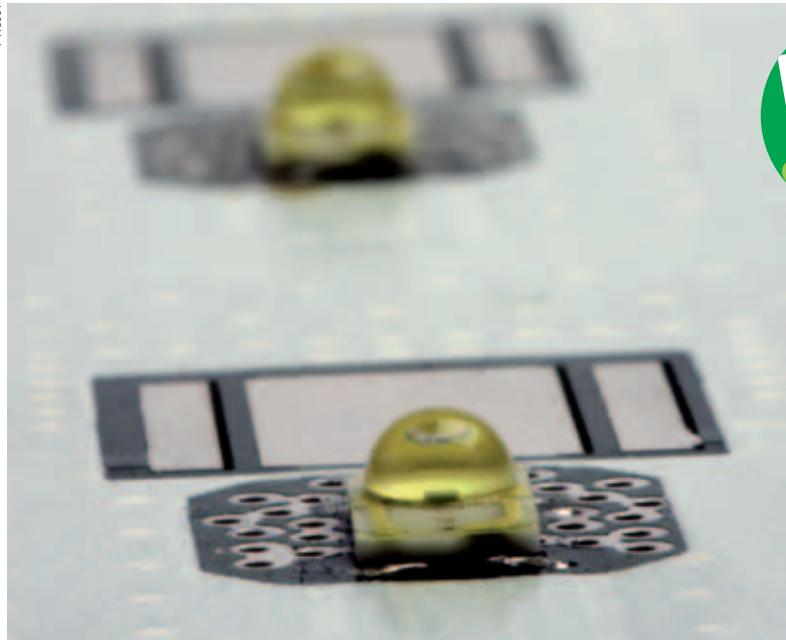


# Focus on LED technology

## The new reference!

Schneider Electric has fully integrated LED technology in Exiway conception. Today, Exiway offers a complete range of LED products: with different aesthetics, different features...

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**LED technology VS Fluorescent lamp\***  
**Average energy consumption for 10 years**

LED luminary

**71 kWh**

Fluorescent tube

**142 kWh**

The intrinsic advantages of LED technology cumulated to Schneider Electric's "Energy efficiency" expertise make Exiway LED models a privileged solution for all emergency lighting actors: panel builders, architects, installers and end-users.

## Exiway LED models: Energy Efficiency... for a long time

> More than **10 years expected service life** (in typical ambient temperature\* condition), no relamping, less maintenance, cost reduction

(\* Typical ambient temperature: 25°C)

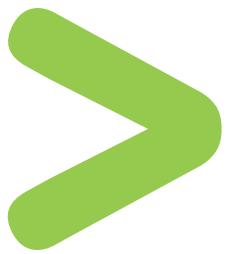
> **Twice less energy** consumption (as minimum)

> **Reliability** of the installation and **high level of security**

> Environment friendly

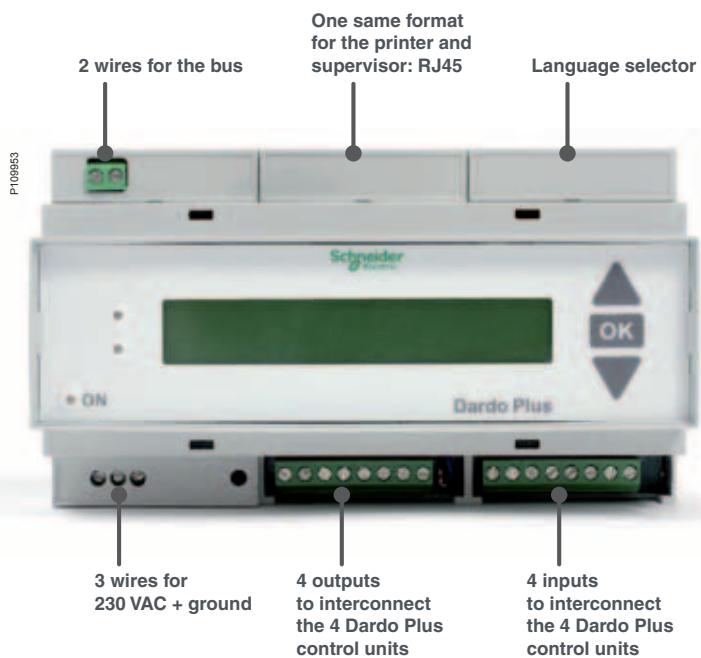
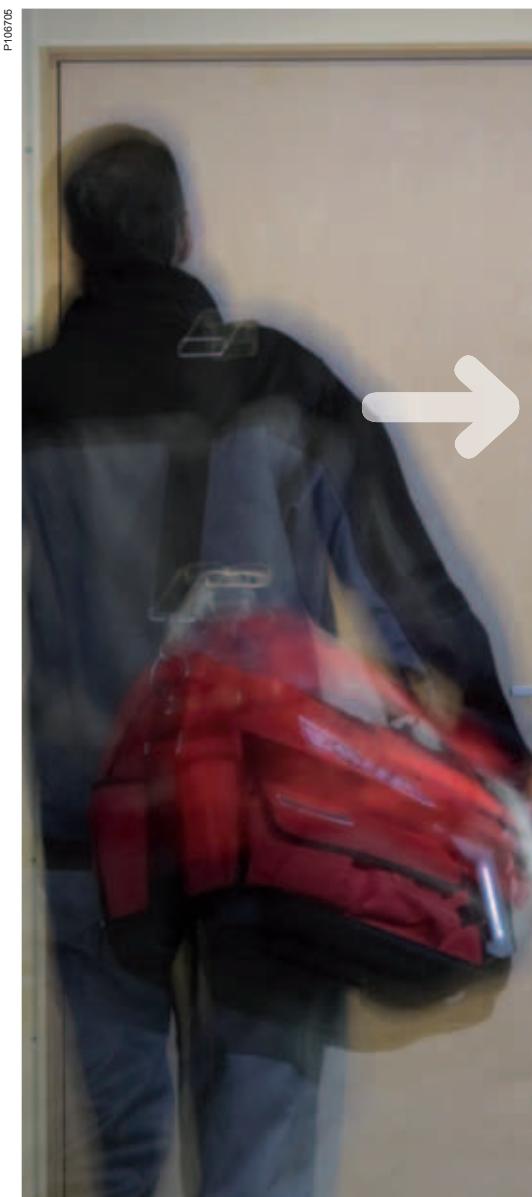
> More profitable than fluorescent tube

\* Comparison between Exiway LED model and previous fluorescent range (non-maintain version).



# Focus on safety: Optimize the safety level of the installation with Dardo system!

**Dardo** is an **addressable system** that centralises and automatically performs the routine tests that EN 50172 requires for the emergency lighting installations in buildings. The test frequency can be easily programmed. The minimum requested by EN 50172 is once a month for the light sources and once a year for the batteries.



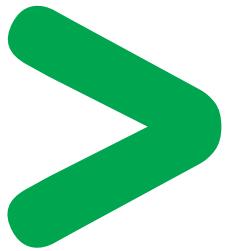
## Dardo: your partner for big as for small installations

Dardo system is adapted for big as for small projects. Taking into account cost of maintenance (labor cost + time), even a medium size installation (< 100 luminaires) can be more profitable for you and your customers than non addressable solution

With Dardo system you can offer a complete answer to your customers' requirements: safety, complying with emergency lighting standards, optimized maintenance, high quality and high reliability of the installation...

- Each Dardo control unit controls up to **100 lighting units**
- For larger, more complex installations, up to **32 Dardo control units** can work together (3200 luminaires)
- Dardo works in **17 languages**
- Dardo allows to comply with EN 50172 standard on testing emergency lighting in buildings
- Easy to wire
- Easy to install in a DIN enclosure or cubicle
- Direct printing of test reports

To learn more about Dardo system, see Dardo specific catalogue or the Schneider Electric web site [www.schneider-electric.com](http://www.schneider-electric.com)

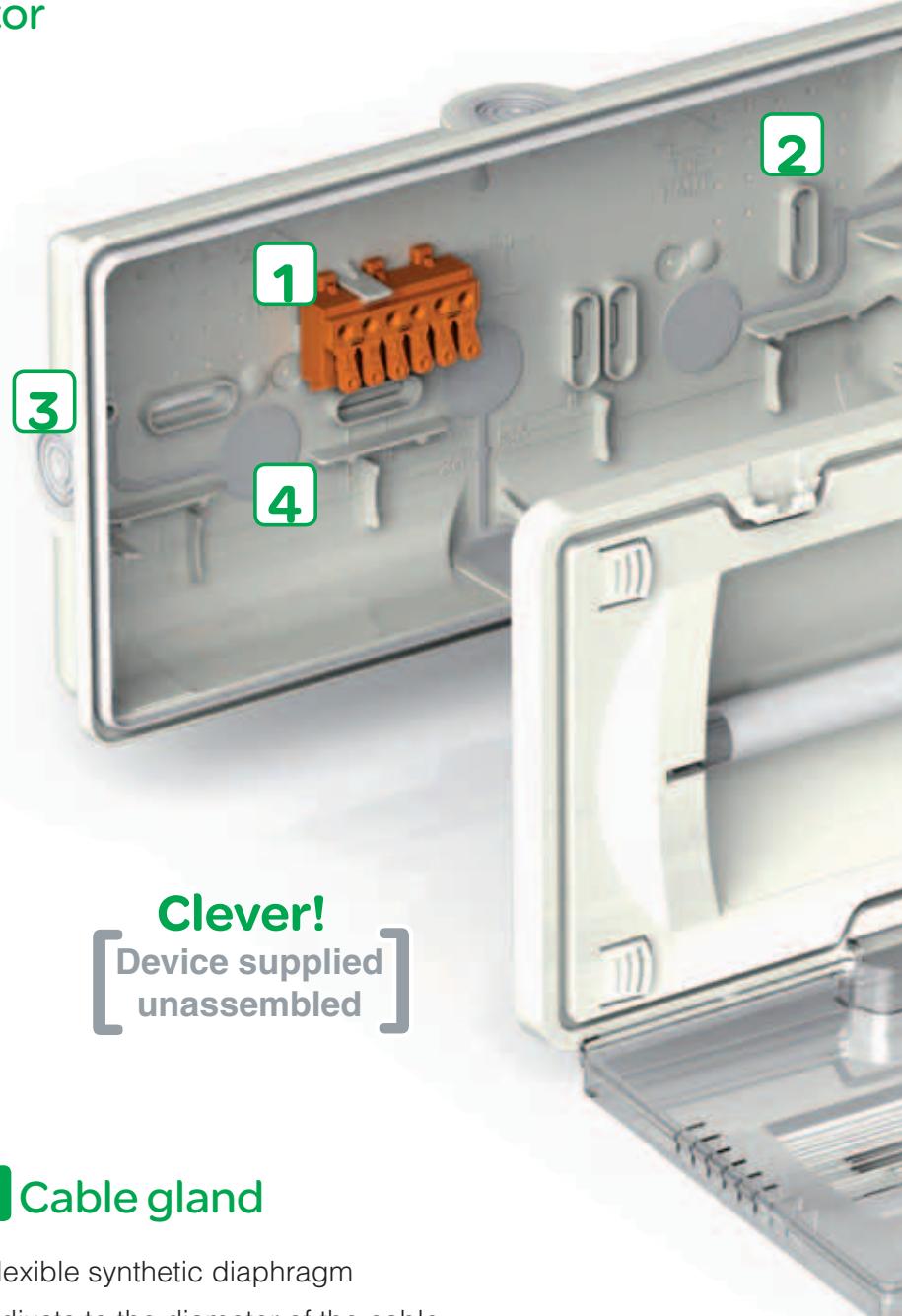


# Exiway installation: More simple, more reliable

## 1 Self-tightening connector

- > Ultra-fast connection without tools
- > Constant self-tightening:  
no overheating
- > 1 to 2.5 mm<sup>2</sup> cable
- > 2 cable entries per terminal
- > Moulded markers (L, N, E+, E-):  
no cabling error possible
- > Can be unclipped from its base
- > Supplies the unit when the reflector  
is clipped on

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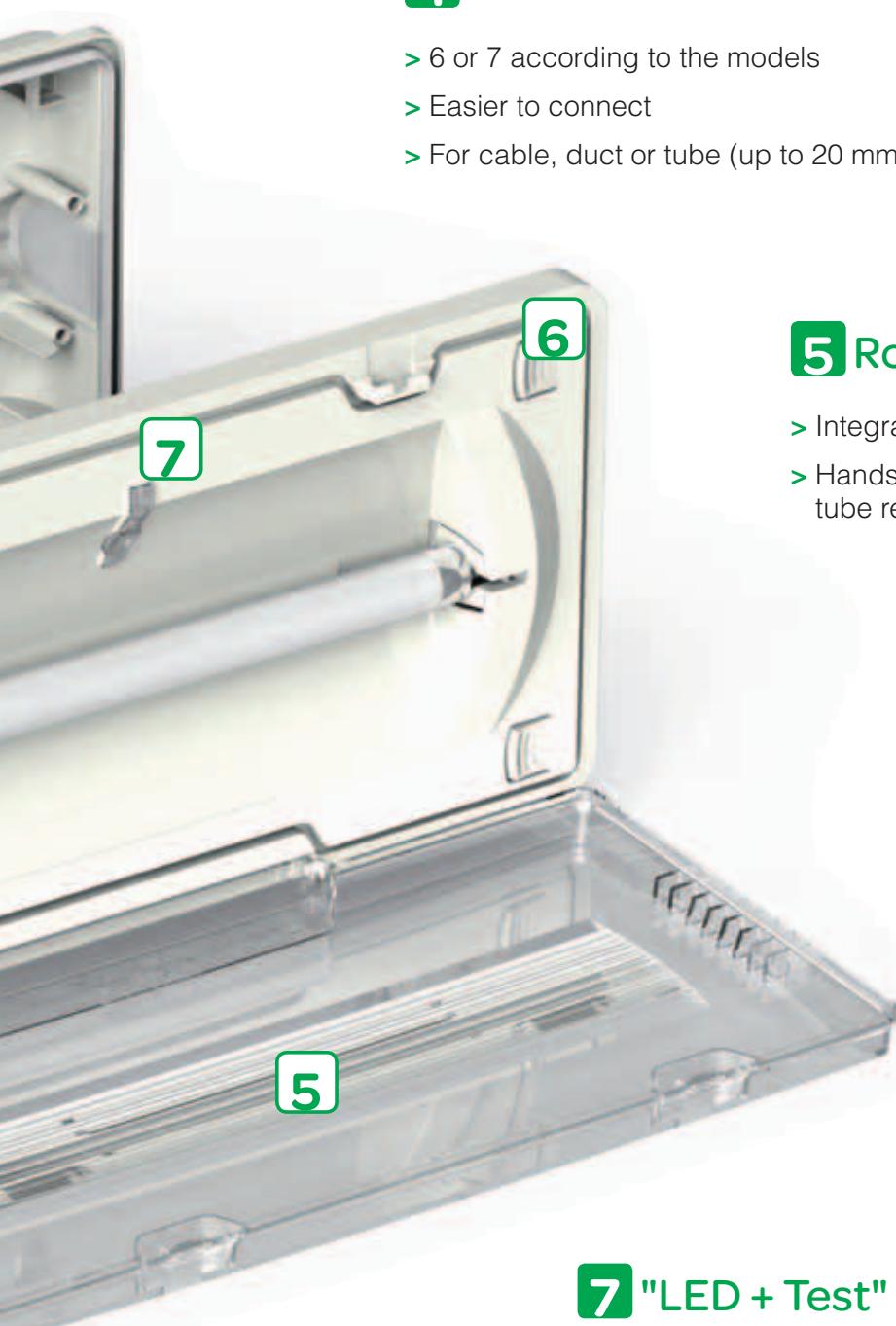
Clever!

Device supplied  
unassembled

## 3 Cable gland

- > Flexible synthetic diaphragm
- > Adjusts to the diameter of the cable
- > No need to cut it out to the cable diameter
- > Sealed to IP65

# liable, more safe!



## 4 Cable entries

- > 6 or 7 according to the models
- > Easier to connect
- > For cable, duct or tube (up to 20 mm)

## 5 Rotary diffuser

- > Integral with the reflector
- > Hands are free to carry out tube replacement

## 6 Reflector clipping-on/unclipping

- > No tool needed for closing (installation) and opening (maintenance)
- > "Last minute" installation (prevents theft and breakage)

## 7 "LED + Test" button

- > LED colour and flashing indicate unit status
- > The button (Activa version) is used to test the unit



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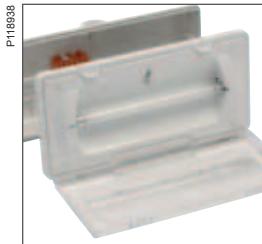


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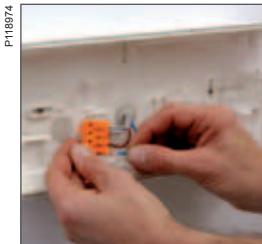
"Universal solutions

# Easy installation and high efficiency



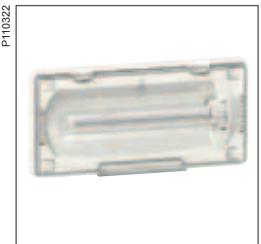
## Quick fixing plate-body

Tool-free assembly, quick clip, easy plumb adjustment...



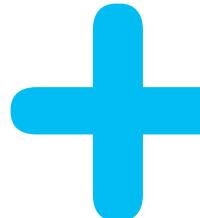
## Removable connector

The connector is removable from the board and have a fast connection System.



## Fresnel Lens

Increases the useable lit area and equalizes the luminous flux on the floor. Less light fittings are necessary to light a given surface area.



- Easyness for wiring
- Led solutions
- Gain of time for installer
- Versatile solution
- High lumen flux
- Concentrated flux (Fresnel Lens)
- Comprehensive range of functionalities: IP, lumen flow, versions...
- -30°C ambient temperature and Ni-Mh versions



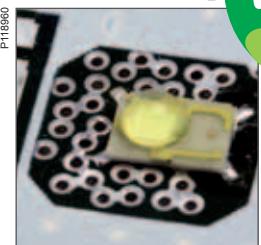
## Safe installation & maintenance

No risk of error when joining the 2 parts. Easy access to the parts (fastened diffuser). Safe battery connection.



## Versatile installation

For every type of installation: false ceilings, flush-mounted, surface-mounted,... technical room (electrified track kit). Flush embedding integration with no added thickness (discreet installation).



## Longer life time and lower consumption

Average energy consumption (< 2 W). > 10 years expected service life (in typical ambient temperature\* condition).

(\* Typical ambient temperature: 25°C

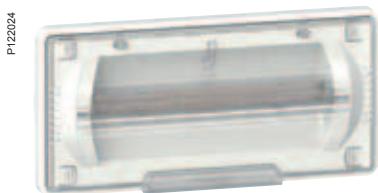


**Easy to install, easy to maintain.**

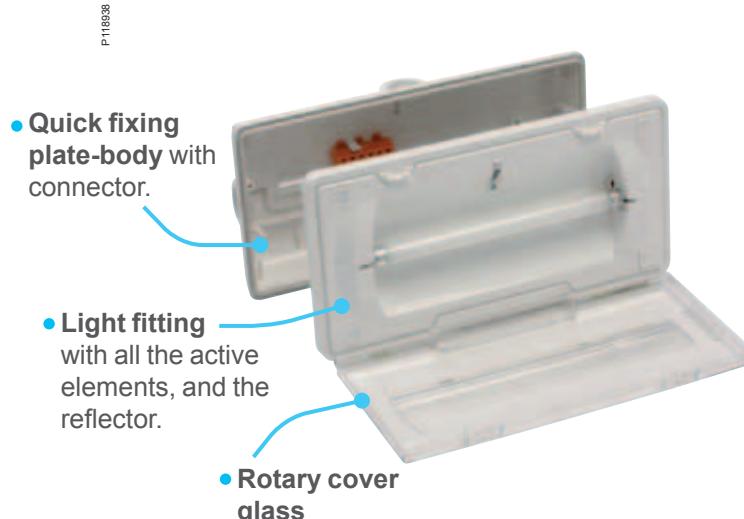
It is designed in **2 parts** for the ultimate in easy installation:



Fresnel Lens to increase the useful lighted surface



LED technology for low maintenance, energy and cost saving



Easy cable insertion due to bi-material cable gland.



Bi-material for Ø 16 mm cables and Ø 20 mm tubes.



Cable organizer to hold the battery cables.

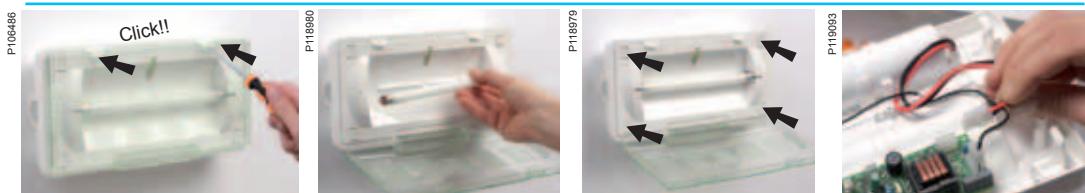
**Product delivered non-assembled.**

### 1. Fast installation



The body can be pre-installed so that the light fitting then just clicks into place. Screwless connector 2 x 2.5 mm<sup>2</sup> per input.

### 2. Safe and easy maintenance

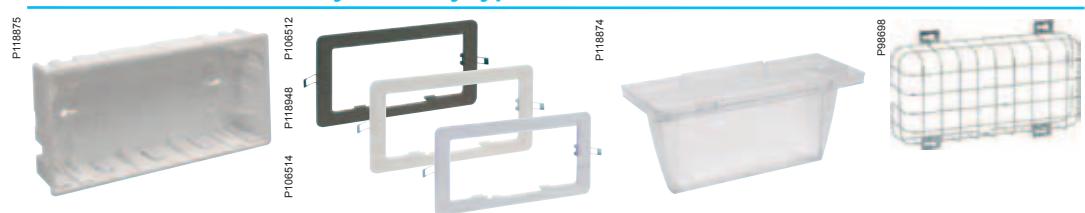


Easy access to the parts thanks to the fastened cover glass.  
Rotary cover glass remain attached to the reflector.

Unlock the reflector without any tool.

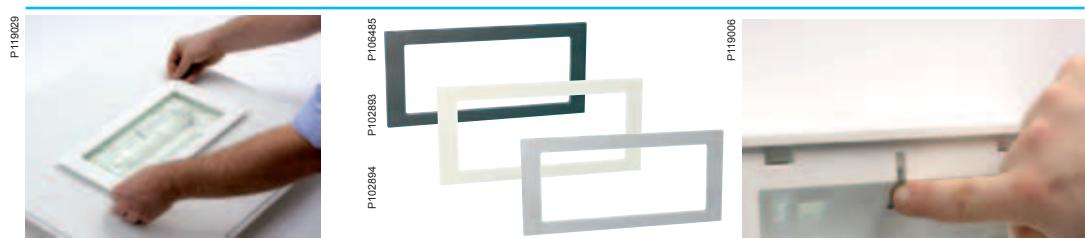
Easy, safe battery connection, no risk.

### 3. Versatile: an accessory for every type of installation



For installation in false ceilings, flush mounting, surface mounting, electrical conduits and exit signs, accessories, protective grid, etc.

### 4. Personalized



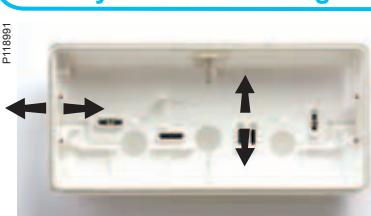
Straight frames in 3 colours: white, aluminium, black for better integration.

### 5. Safer



Functional test directly on the product, thanks to the LED push button on Activa versions.  
**Standard and Activa versions (Belgium only)**

### 8. Easy to fasten and align



Several easy ways of fastening the light fitting.

### 9. Secure fastening



There is no chance of getting it wrong when joining the two parts of the light fitting.

### 10. IP65 version



For places that need an installation protected from moisture (e.g. car park).

Versions	Standard	Activa	Dardo	It	Es	Be	
CE, UL, N, EAC				P106754	DB122858 DB123400 P10321	P10323	P110322
<b>Technical specifications</b>							
Protection rating	IP42 or IP65	IP65	IP42 or IP65				
Green cover glass	■	■	■				
Fresnel cover glass	■	■	■				
Autonomy	1 h	■	■				
	2 h	■	■				
	3 h	■	■				
Adaptable exit sign	■	■	■				
<b>Average flux in emergency condition</b>							
50 lm	■	-	-	■	-	-	
70 lm	■	■	■	■	■	-	
90 lm	■	■	■	■	■	-	
100 lm	■	■	■	■	-	■	
120 lm	■	■	■	■	■	-	
140 lm	■	■	■	■	■	-	
150 lm	■	■	■	■	■	-	
160 lm	■	■	■	■	■	-	
180 lm	■	-	■	-	■	-	
200 lm	■	■	■	■	■	■	
220 lm	■	■	■	■	■	-	
240 lm	■	-	■	-	■	-	
250 lm	■	■	-	-	■	■	
260 lm	■	■	■	■	■	-	
300 lm	■	■	■	■	■	-	
350 lm	■	-	■	-	■	-	
380 lm	■	■	■	■	-	■	
400 lm	-	■	■	■	■	■	
450 lm	■	-	-	-	■	-	
525 lm	■	■	■	■	-	■	
580 lm	-	■	■	■	■	■	
600 lm	■	■	■	■	■	■	
<b>Installation methods</b>							
Wall	■						
Flush	■						
Ceiling	■						
False ceiling	■						
Recessed	■						
Hanging	■						
Electrified track	■						
<b>Page</b>	20	22	23				

P10323



CE

P10320



CE

P12204



CE

### Technical specifications

- Available for maintained, non-maintained and combined operation: the maintained products can be used in non-maintained mode. The selection is made on the connector
- Installation: quick fixing plate-body
- Compliant with IEC EN 60598-2-22 standard
- IMQ certification (Italy)
- AENOR certification (Spain)
- ENEC certification (Belgium)
- Standard versions: can be inhibited via a switch or with rest mode via Teleur range of remote controls (Italy)
- Standard and Self-diagnosis versions (Activa): can be inhibited with rest mode via Teleur range of remote controls (Spain and Belgium)
- Self-diagnosis version (Activa): can be inhibited with rest mode via Teleur range of remote controls (Italy and Spain)
- Addressable version (Dardo):
  - centralized control by Dardo Plus control unit
  - can be inhibited with rest mode via Dardo Plus control unit
- Protection rating: IP42/65, IK07
- Insulation class: II
- Installation even on flammable surfaces
- Operating temperature: 0...40°C
- Fire behaviour (IEC 60695-2-10), incandescent wire: 850°C
- Case of self-extinguishing polycarbonate 94V-2 (UL 94)
- Light source:
  - 1 or 2 fluorescent lamps (2 for combined)
  - long-lasting LED light source
- (> 10 years expected in typical ambient temperature\* condition)
- Power supply: 230 V, 50 Hz
- Complete recharge:
  - in 12 h for model with 1 h autonomy
  - in 24 h for model with 2 and 3 h autonomy.

(\* Typical ambient temperature: 25°C

**Product catalogue numbers**

Exiway One Standard	Protection rating	IP	IK	Autonomy (h)	Average flux (lm) in emergency condition	Lamp maintained power (W)	Socket	Consumption (VA)	(W)	(V)	Ni-Cd battery (Ah)	Control (1)	Glasses	Cat. no.	It	Es	Be	
<b>Non-maintained</b>																		
P110323	IP42	IK07	1		50 -	6	G5	3.00	1.70	2.4	1.5	S	Green	OVA38600	■			
					70 -	6	G5	3.00	1.70	3.6	1.5	RC	Green	OVA38730	■			
					90 -	8	G5	3.00	1.70	3.6	1.5	S	Green	OVA38612	■			
					100 -	6	G5	3.00	1.70	3.6	1.5	RC	Green	OVA38732	■			
					120 -	11	2G7	4.00	2.60	4.8	1.5	RC	Green	OVA38735	■			
					120 -	11	2G7	4.00	2.60	4.8	1.5	S	Green	OVA38635	■			
					160 -	11	2G7	4.20	2.70	6.0	1.5	RC	Green	OVA38738	■			
					220 -	18	2G11	4.20	2.60	7.2	1.5	S	Green	OVA38658	■			
					260 -	11	2G7	4.20	2.60	7.2	1.5	RC	Green	OVA38741	■			
					260 -	24	2G11	4.20	2.60	7.2	1.5	S	Green	OVA38679	■			
					350 -	11	2G7	5.00	1.80	6.0	2.2	RC	Green	OVA38743	■			
					450 -	11	2G7	5.20	2.10	4.8	4.0	RC	Green	OVA38745	■			
					525 -	11	2G7	5.80	2.40	4.8	4.0	RC	Green	OVA38747	■			
					600 -	24	2G11	6.20	2.90	6.0	4.0	RC	Green	OVA38750	■			
				2	120 -	11	2G7	6.60	2.30	4.8	4.0	RC	Green	OVA38736	■			
					200 -	11	2G7	5.20	1.90	4.8	4.0	RC	Green	OVA38740	■			
				3	50 -	6	G5	4.20	2.70	6.0	1.5	S	Green	OVA38603	■			
					90 -	8	G5	4.20	2.60	7.2	1.5	S	Green	OVA38618	■			
					140 -	11	2G7	6.60	2.30	4.8	4.0	S	Green	OVA38638	■			
					200 -	18	2G11	7.00	3.10	6.0	4.0	S	Green	OVA38647	■			
					220 -	24	2G11	6.20	2.90	6.0	4.0	RC	Green	OVA38749	■			
					220 -	24	2G11	6.20	2.90	6.0	4.0	S	Green	OVA38670	■			
	IP65	IK07	1		50 -	6	G5	3.00	1.70	2.4	1.5	S	Green	OVA38601	■			
					70 -	6	G5	3.00	1.70	3.6	1.5	RC	Green	OVA38731	■			
					90 -	8	G5	3.00	1.70	3.6	1.5	S	Green	OVA38613	■			
					100 -	6	G5	3.00	1.70	3.6	1.5	RC	Green	OVA38733	■			
					120 -	11	2G7	4.00	2.60	4.8	1.5	S	Green	OVA38636	■			
					160 -	11	2G7	4.20	2.70	6.0	1.5	RC	Green	OVA38739	■			
					220 -	18	2G11	4.20	2.60	7.2	1.5	S	Green	OVA38659	■			
					260 -	11	2G7	4.20	2.60	7.2	1.5	RC	Green	OVA38742	■			
					260 -	24	2G11	4.20	2.60	7.2	1.5	S	Green	OVA38680	■			
					350 -	11	2G7	5.00	1.80	6.0	2.2	RC	Green	OVA38744	■			
					450 -	11	2G7	5.20	2.10	4.8	4.0	RC	Green	OVA38746	■			
					600 -	24	2G11	6.20	2.90	6.0	4.0	RC	Green	OVA38751	■			
				2	120 -	11	2G7	6.60	2.30	4.8	4.0	RC	Green	OVA38737	■			
					300 -	18	2G11	7.80	3.80	6.0	4.0	RC	Green	OVA38748	■			
				3	50 -	6	G5	4.20	2.70	6.0	1.5	S	Green	OVA38604	■			
					90 -	8	G5	4.20	2.60	7.2	1.5	S	Green	OVA38619	■			
					140 -	11	2G7	6.60	2.30	4.8	4.0	S	Green	OVA38639	■			
					200 -	18	2G11	7.00	3.10	6.0	4.0	S	Green	OVA38648	■			
					220 -	-	2G11	6.20	2.90	6.0	4.0	S	Green	OVA38671	■			
<b>Maintained</b>																		
P110319	IP42	IK07	1		120	200	8	G5	13.00	7.00	3.6	1.5	S	Green	OVA38615	■		
					220	430	18	2G11	21.00	11.50	7.2	1.5	S	Green	OVA38661	■		
					260	550	24	2G11	25.70	14.50	7.2	1.5	S	Green	OVA38682	■		
					380	340	8	G5	24.20	10.20	4.8	4.0	RC	Green	OVA38734	■		
				3	120	200	8	G5	15.90	6.60	3.6	4.0	S	Green	OVA38621	■		
					200	430	18	2G11	23.90	10.40	6.0	4.0	S	Green	OVA38653	■		
					200	550	24	2G11	27.90	13.80	6.0	4.0	S	Green	OVA38674	■		
	IP65	IK07	1		120	200	8	G5	13.00	7.00	3.6	1.5	S	Green	OVA38616	■		
					220	430	18	2G11	21.00	11.50	7.2	1.5	S	Green	OVA38662	■		
					260	550	24	2G11	25.70	14.50	7.2	1.5	S	Green	OVA38683	■		
				3	120	200	8	G5	15.90	6.60	3.6	4.0	S	Green	OVA38622	■		
					200	430	18	2G11	23.90	10.40	6.0	4.0	S	Green	OVA38654	■		
					200	550	24	2G11	27.90	13.80	6.0	4.0	S	Green	OVA38675	■		
<b>Combined</b>																		
P110306	IP42	IK07	1		90	200	2x6	2xG5	16.00	6.20	3.6	1.5	RC	Green	OVA38752	■		
					180	200	2x6	2xG5	16.90	6.30	6.0	1.5	RC	Green	OVA38755	■		
					240	200	2x6	2xG5	16.20	6.40	7.2	1.5	RC	Green	OVA38757	■		
				3	140	200	2x6	2xG5	16.90	7.30	4.8	4.0	RC	Green	OVA38753	■		
	IP65	IK07	1		180	200	2x6	2xG5	16.90	6.30	6.0	1.5	RC	Green	OVA38756	■		
					380	330	2x8	2xG5	21.40	7.70	4.8	4.0	RC	Green	OVA38758	■		
				3	140	200	2x6	2xG5	16.90	7.30	4.8	4.0	RC	Green	OVA38754	■		

Note: The maintained products can be used in Non-maintained mode. The selection is made on the connector.

**Product catalogue numbers (cont.)**

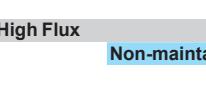
Exiway One Standard	Protection rating	IP	IK	Autonomy (h)	Average flux (lm) in emergency condition	Average flux (lm) in maintained mode	Lamp rated power (W)	Socket	Consumption (VA)	Ni-Cd battery (V)	Ni-Cd battery (Ah)	Control (1)	Glasses	Cat. no.	It	Es	Be
<b>High Flux</b>																	
Non-maintained																	
P110324	High Flux	IP42	IK07	1	70	-	6	G5	3.00	1.70	3.6	1.5	S	Fresnel	OVA38606	■	
					150	-	8	G5	4.00	2.60	4.8	1.5	S	Fresnel	OVA38624	■	
					160	-	11	2G7	4.20	2.70	6.0	1.5	S	Fresnel	OVA38644	■	
					300	-	18	2G11	5.00	1.80	6.0	2.2	S	Fresnel	OVA38664	■	
					600	-	24	2G11	6.20	2.90	6.0	4.0	S	Fresnel	OVA38685	■	
				3	70	-	6	G5	4.20	2.60	7.2	1.5	S	Fresnel	OVA38609	■	
					120	-	8	G5	6.60	2.30	4.8	4.0	S	Fresnel	OVA38630	■	
					140	-	11	2G7	6.60	2.30	4.8	4.0	S	Fresnel	OVA38641	■	
					220	-	18	2G11	7.00	3.10	6.0	4.0	S	Fresnel	OVA38650	■	
					70	-	6	G5	3.00	1.70	3.6	1.5	S	Fresnel	OVA38607	■	
P110320	Maintained	IP65	IK07	1	150	-	8	G5	4.00	2.60	4.8	1.5	S	Fresnel	OVA38625	■	
					160	-	11	2G7	4.20	2.70	6.0	1.5	S	Fresnel	OVA38645	■	
					200	-	8	G5	4.10	2.60	6.0	1.5	RC	Fresnel	OVA38775	■	■
					300	-	18	2G11	5.00	1.80	6.0	2.2	S	Fresnel	OVA38665	■	
					380	-	8	G5	8.40	1.60	4.8	4.0	RC	Fresnel	OVA38779	■	■
				3	525	-	11	2G7	8.40	1.60	4.8	4.0	RC	Fresnel	OVA38782	■	■
					600	-	24	2G11	6.20	2.90	6.0	4.0	S	Fresnel	OVA38686	■	
					70	-	6	G5	4.20	2.60	7.2	1.5	S	Fresnel	OVA38610	■	
					120	-	8	G5	6.60	2.30	4.8	4.0	S	Fresnel	OVA38631	■	
					140	-	11	2G7	6.60	2.30	4.8	4.0	S	Fresnel	OVA38642	■	
P110320	Maintained	IP42	IK07	1	220	-	18	2G11	7.00	3.10	6.0	4.0	S	Fresnel	OVA38651	■	
					220	-	24	2G11	6.20	2.90	6.0	4.0	S	Fresnel	OVA38672	■	
				3	150	280	8	G5	17.70	6.90	4.8	1.5	S	Fresnel	OVA38627	■	
					300	470	18	2G11	24.90	10.20	6.0	2.5	S	Fresnel	OVA38667	■	
					600	600	24	2G11	30.90	14.20	6.0	4.0	S	Fresnel	OVA38688	■	
					220	600	24	2G11	27.90	13.80	6.0	4.0	S	Fresnel	OVA38676	■	
					150	280	8	G5	17.70	6.90	4.8	1.5	S	Fresnel	OVA38628	■	
P110320	Maintained	IP65	IK07	1	250	320	8	G5	18.60	7.20	6.0	1.5	RC	Fresnel	OVA38777	■	■
					300	470	18	2G11	24.90	10.20	6.0	2.5	S	Fresnel	OVA38668	■	
					600	600	24	2G11	30.90	14.20	6.0	4.0	S	Fresnel	OVA38689	■	
					220	600	24	2G11	30.90	14.20	6.0	4.0	S	Fresnel	OVA38633	■	
					150	280	8	G5	17.70	7.70	4.8	4.0	S	Fresnel	OVA38656	■	
				3	220	470	18	2G11	23.90	10.40	6.0	4.0	S	Fresnel	OVA38677	■	
					220	600	24	2G11	27.90	13.80	6.0	4.0	S	Fresnel	OVA38677	■	

(1) RC: Remote Control Teleur  
S: Switch

**Product catalogue numbers (cont.)**

Exiway One	Protection rating	IP	IK	Autonomy (h)	Average flux (lm) in emergency condition	Lamp maintained power (W)	Socket	Consumption (VA)	Ni-Cd battery (W)	Control (1) (V)	Glasses (Ah)	Cat. no.	It	Es	Be				
<b>Non-maintained</b>																			
P10319																			
																			
Exiway One Activa	IP65	IK07	1	70	-	6	G5	5.80	0.90	3.6	1.5	RC	Green	OVA38602	■ ■				
					90	8	G5	3.00	1.70	3.6	1.5	RC	Green	OVA38614	■ ■				
					120	11	2G7	4.00	2.60	4.8	1.5	RC	Green	OVA38637	■ ■				
					220	18	2G11	4.20	2.60	7.2	1.5	RC	Green	OVA38660	■ ■				
					260	24	2G11	4.20	2.60	7.2	1.5	RC	Green	OVA38681	■ ■				
				3	70	6	G5	5.80	1.90	3.6	4.0	RC	Green	OVA38605	■ ■				
					90	8	G5	7.60	1.40	3.6	4.0	RC	Green	OVA38620	■ ■				
					140	11	2G7	6.60	2.30	4.8	4.0	RC	Green	OVA38640	■ ■				
					200	18	2G11	7.00	3.10	6.0	4.0	RC	Green	OVA38649	■ ■				
					120	200	8	G5	15.90	5.90	3.6	1.5	RC	Green	OVA38617	■ ■			
<b>Maintained</b>																			
Exiway One Activa	IP65	IK07	1	120	200	8	G5	15.90	5.90	3.6	1.5	RC	Green	OVA38617	■ ■				
					220	430	18	2G11	24.50	9.60	7.2	1.6	RC	Green	OVA38663	■ ■			
					260	550	24	2G11	28.50	13.00	7.2	1.6	RC	Green	OVA38684	■ ■			
					120	200	8	G5	15.90	6.60	3.6	4.0	RC	Green	OVA38623	■ ■			
					200	430	18	2G11	23.90	10.40	6.0	4.0	RC	Green	OVA38655	■ ■			
				3	120	200	8	G5	15.90	6.60	3.6	4.0	RC	Green	OVA38655	■ ■			
<b>High Flux</b>																			
P10317																			
																			
Exiway One Activa	IP65	IK07	1	70	-	6	G5	5.80	0.90	3.6	1.5	RC	Fresnel	OVA38608	■ ■				
					150	8	G5	4.00	2.60	4.8	1.5	RC	Fresnel	OVA38626	■ ■				
					160	11	2G7	4.20	2.70	6.0	1.5	RC	Fresnel	OVA38646	■ ■				
					200	8	G5	4.10	2.70	6.0	1.5	RC	Fresnel	OVA38776	■ ■				
					300	18	2G11	7.40	1.60	6.0	2.2	RC	Fresnel	OVA38666	■ ■				
					380	8	G5	8.40	1.60	4.8	4.0	RC	Fresnel	OVA38780	■ ■				
					525	11	2G7	8.40	1.60	4.8	4.0	RC	Fresnel	OVA38783	■ ■				
					600	24	2G11	9.40	2.20	6.0	4.0	RC	Fresnel	OVA38687	■ ■				
				3	70	6	G5	5.80	1.90	3.6	4.0	RC	Fresnel	OVA38611	■ ■				
					120	8	G5	6.60	2.30	4.8	4.0	RC	Fresnel	OVA38632	■ ■				
					140	11	2G7	6.60	2.30	4.8	4.0	RC	Fresnel	OVA38643	■ ■				
					220	18	2G11	7.00	3.10	6.0	4.0	RC	Fresnel	OVA38652	■ ■				
					220	24	2G11	7.60	1.40	6.0	4.0	RC	Fresnel	OVA38673	■ ■				
<b>Maintained</b>																			
Exiway One Activa	IP65	IK07	1	150	280	8	G5	17.70	6.90	4.8	1.5	RC	Fresnel	OVA38629	■ ■				
					250	320	8	G5	18.60	7.20	6.0	1.5	RC	Fresnel	OVA38778	■ ■			
					300	470	18	2G11	24.9	10.2	6.0	2.5	RC	Fresnel	OVA38669	■ ■			
					380	380	8	G5	24.20	10.30	4.8	4.0	RC	Fresnel	OVA38781	■ ■			
					600	600	24	2G11	30.90	14.20	6.0	4.0	RC	Fresnel	OVA38784	■ ■			
				3	150	280	8	G5	17.70	7.70	4.8	4.0	RC	Fresnel	OVA38634	■ ■			
					220	470	18	2G11	23.90	10.40	6.0	4.0	RC	Fresnel	OVA38657	■ ■			
					220	600	24	2G11	27.90	13.80	6.0	4.0	RC	Fresnel	OVA38678	■ ■			

Note: The maintained products can be used in Non-maintained mode. The selection is made on the connector.

Exiway One	Protection rating	IP	IK	Autonomy (h)	Average flux (lm) in emergency condition	Lamp maintained power (W)	Socket	Consumption N/M/M (VA)	Ni-Cd battery (W)	Control (1) (V)	Glasses (Ah)	Cat. no.	It	Es	Be				
<b>Non-maintained</b>																			
P122024																			
																			
Exiway One Activa LED	IP65	IK07	1	100	-	8*	LED	4.8	0.8	3.6	1.5	RC	Fresnel	OVA38705	■ ■				
					140	11*	LED	4.8	0.8	3.6	1.5	RC	Fresnel	OVA38709	■ ■				
					260	24*	LED	5.6	1.3	4.8	1.5	RC	Fresnel	OVA38711	■ ■				
					100	8*	LED	4.9	1.0	3.6	2.5	RC	Fresnel	OVA38707	■ ■				
					140	11*	LED	4.9	1.0	3.6	2.5	RC	Fresnel	OVA38710	■ ■				
				2	260	24*	LED	5.6	2.5	4.8	4.0	RC	Fresnel	OVA38713	■ ■				
					100	100	8*	LED	4.6/8.5	0.9/4.3	3.6	1.5	RC	Fresnel	OVA38706	■ ■			
					260	24*	LED	6.2/12.5	1.5/6.4	7.2	1.6	RC	Fresnel	OVA38712	■ ■				
					100	100	8*	LED	4.9/9.8	1.0/4.3	3.6	2.5	RC	Fresnel	OVA38708	■ ■			
					260	24*	LED	5.6/14	1.5/6.7	6.0	2.5	RC	Fresnel	OVA38714	■ ■				
<b>High Flux</b>																			
P122024																			
<b>Non-maintained</b>																			
																			
Exiway One Activa LED	IP65	IK07	1	450	-	11*	LED	5.6	1.3	4.8	4.0	RC	Fresnel	OVA38717	■ ■				
				580	-	24*	LED	5.6	1.3	4.8	4.0	RC	Fresnel	OVA38718	■ ■				
				400	-	11*	LED	5.6	1.3	4.8	4.0	RC	Fresnel	OVA38716	■ ■				
				400	400	11*	LED	6.2/12.5	1.5/6.4	7.2	1.6	RC	Fresnel	OVA38715	■ ■				

Note: The maintained products can be used in Non-maintained mode. The selection is made on the connector.

(1) RC: Remote Control Teleur

(\*): power equivalent to a fluorescent tube

**Product catalogue numbers (cont.)**

Exiway One Dardo	Protection rating	IP	IK	Autonomy (h)	Average flux (lm) in emergency condition	Maintained mode	Lamp rated power (W)	Socket	Consumption (VA)	(W)	Ni-Cd battery (V)	(Ah)	Control (1)	Glasses	Cat. no.	It	Es	Be
<b>Non-maintained</b>																		
P10321 	IP42	IK07	1	100	-	6	G5	5.70	0.90	3.6	1.5	Cont.	Green	OVA34360	■			
				160	-	11	2G7	6.40	1.10	6.0	1.5	Cont.	Green	OVA34366	■			
				260	-	11	2G7	7.50	1.40	7.2	1.5	Cont.	Green	OVA34367	■			
				350	-	11	2G7	6.40	1.70	6.0	2.2	Cont.	Green	OVA34369	■			
			2	300	-	18	2G11	7.80	2.30	6.0	4.0	Cont.	Green	OVA34372	■			
				140	-	11	2G7	6.40	1.90	4.8	4.0	Cont.	Green	OVA34364	■			
	IP65	IK07	1	70	-	6	G5	5.70	0.90	3.6	1.5	Cont.	Green	OVA34300	■			
				90	-	8	G5	5.80	0.90	3.6	1.5	Cont.	Green	OVA34304	■			
				100	-	6	G5	5.70	0.90	3.6	1.5	Cont.	Green	OVA34361	■			
				120	-	11	2G7	6.40	0.80	4.8	1.5	Cont.	Green	OVA34312	■			
				220	-	18	2G11	6.40	1.10	7.2	1.5	Cont.	Green	OVA34320	■			
				260	-	11	2G7	7.50	1.40	7.2	1.5	Cont.	Green	OVA34368	■			
				350	-	24	2G11	7.50	1.40	7.2	1.5	Cont.	Green	OVA34328	■			
				525	-	11	2G7	6.40	1.70	6.0	2.2	Cont.	Green	OVA34370	■			
				70	-	6	G5	5.70	1.90	3.6	4.0	Cont.	Green	OVA34371	■			
				90	-	8	G5	5.40	1.50	3.6	4.0	Cont.	Green	OVA34306	■			
				140	-	11	2G7	6.40	1.90	4.8	4.0	Cont.	Green	OVA34365	■			
				140	-	11	2G7	6.20	1.90	4.8	4.0	Cont.	Green	OVA34313	■			
				200	-	18	2G11	6.90	1.90	6.0	4.0	Cont.	Green	OVA34316	■			
				220	-	24	2G11	6.90	2.30	6.0	4.0	Cont.	Green	OVA34324	■	■		
<b>Maintained</b>																		
P10319 	IP42	IK07	1	120	250	8	G5	17.70	6.90	4.8	1.5	Cont.	Green	OVA34362	■			
				90	200	8	G5	15.90	5.90	3.6	1.5	Cont.	Green	OVA34305	■			
				220	430	18	2G11	24.20	9.60	7.2	1.6	Cont.	Green	OVA34321	■			
				260	550	24	2G11	28.50	13.00	7.2	1.6	Cont.	Green	OVA34329	■			
				380	340	8	G5	24.20	10.30	4.8	4.0	Cont.	Green	OVA34363	■			
	IP65	IK07	3	120	200	8	G5	15.90	6.60	3.6	4.0	Cont.	Green	OVA34307	■			
				200	430	18	2G11	23.70	10.40	6.0	4.0	Cont.	Green	OVA34318	■			
				200	550	24	2G11	27.90	13.80	6.0	4.0	Cont.	Green	OVA34326	■			
				140	200	2x6	2xG5	16.90	16.40	4.8	1.5	Cont.	Green	OVA34373	■			
				140	200	2x6	2xG5	16.90	7.30	4.8	4.0	Cont.	Green	OVA34375	■			
<b>Combined</b>																		
P10325 	IP42	IK07	1	240	200	2x6	2xG5	16.20	6.40	7.2	1.5	Cont.	Green	OVA34377	■			
				180	200	2x6	2xG5	16.10	6.80	4.8	4.0	Cont.	Green	OVA34376	■			
				140	200	2x6	2xG5	16.90	7.30	4.8	4.0	Cont.	Green	OVA34374	■			
	IP65	IK07	1	140	200	2x6	2xG5	16.90	16.40	4.8	1.5	Cont.	Green	OVA34373	■			
				140	200	2x6	2xG5	16.90	7.30	4.8	4.0	Cont.	Green	OVA34375	■			
				140	200	2x6	2xG5	16.90	10.00	1.90	6.0	4.0	Cont.	Fresnel	OVA34330	■		
<b>High Flux</b>																		
P10322 	IP65	IK07	1	70	-	6	G5	5.70	0.90	3.6	1.5	Cont.	Fresnel	OVA34302	■			
				120	-	8	G5	6.40	0.90	4.8	1.5	Cont.	Fresnel	OVA34308	■			
				160	-	11	2G7	6.40	1.90	6.0	1.5	Cont.	Fresnel	OVA34315	■			
				300	-	18	2G11	7.80	1.30	6.0	2.2	Cont.	Fresnel	OVA34322	■			
				380	-	8	G5	8.40	1.60	4.8	4.0	Cont.	Fresnel	OVA34390	■			
	3		3	525	-	11	2G7	8.40	1.60	4.8	4.0	Cont.	Fresnel	OVA34392	■			
				600	-	24	2G11	10.00	1.90	6.0	4.0	Cont.	Fresnel	OVA34330	■			
				70	-	6	G5	5.70	0.90	3.6	4.0	Cont.	Fresnel	OVA34303	■			
				120	-	8	G5	6.40	1.90	4.8	4.0	Cont.	Fresnel	OVA34310	■			
				140	-	11	2G7	6.20	1.90	4.8	4.0	Cont.	Fresnel	OVA34314	■			
	IP65	IK07	3	220	-	18	2G11	17.70	7.70	6.0	4.0	Cont.	Fresnel	OVA34317	■			
				220	-	24	2G11	6.90	2.30	6.0	4.0	Cont.	Fresnel	OVA34325	■			
<b>Maintained</b>																		
P10320 	IP65	IK07	1	150	280	8	G5	17.70	6.90	4.8	1.5	Cont.	Fresnel	OVA34309	■			
				300	470	18	2G11	24.90	10.20	6.0	2.5	Cont.	Fresnel	OVA34323	■			
				380	380	8	G5	24.20	10.30	4.8	4.0	Cont.	Fresnel	OVA34391	■			
	3		3	600	600	24	2G11	30.90	14.20	6.0	4.0	Cont.	Fresnel	OVA34331	■			
				150	280	8	G5	17.70	7.70	4.8	4.0	Cont.	Fresnel	OVA34311	■			
				220	470	18	2G11	23.70	17.40	6.0	4.0	Cont.	Fresnel	OVA34319	■			
				220	600	24	2G11	27.90	13.80	6.0	4.0	Cont.	Fresnel	OVA34327	■			

Note: The maintained products can be used in Non-maintained mode. The selection is made on the connector.

(1) Cont.: Dardo Plus control unit

**Product catalogue numbers (cont.)**

Exiway One Dardo LED	Protection rating IP	IK	Autonomy (h)	Average flux (lm) in emergency condition	maintained mode	Lamp rated power (W)	Socket	Consumption N.M/M (VA)	(W)	(V)	Ni-Cd battery (Ah)	Control (1)	Glasses	Cat. no.	It	Es	Be		
<b>Non-maintained</b>																			
	IP65	IK07	1	100	-	8*	LED	4.8	0.8	3.6	1.5	Cont.	Fresnel	OVA34336	■	■	■		
				260	-	24*	LED	5.6	1.3	4.8	1.5	Cont.	Fresnel	OVA34340	■	■	■		
			2	100	-	8*	LED	4.9	1.0	3.6	2.5	Cont.	Fresnel	OVA34338	■	■	■		
				260	-	24*	LED	5.6	2.5	4.8	4.0	Cont.	Fresnel	OVA34342	■	■	■		
<b>Maintained</b>																			
	IP65	IK07	1	100	-	8*	LED	4.6/8.5	0.9/4.3	3.6	1.5	Cont.	Fresnel	OVA34337	■	■	■		
				260	-	24*	LED	6.2/12.5	1.5/6.4	7.2	1.6	Cont.	Fresnel	OVA34341	■	■	■		
			2	100	100	8*	LED	4.9/9.8	1.0/4.3	3.6	2.5	Cont.	Fresnel	OVA34339	■	■	■		
				260	260	24*	LED	5.6/14	1.5/6.7	6.0	2.5	Cont.	Fresnel	OVA34343	■	■	■		
<b>High Flux</b>																			
<b>Non-maintained</b>																			
	IP65	IK07	1	450	-	11*	LED	5.6	1.3	4.8	4.0	Cont.	Fresnel	OVA34347	■	■	■		
				580	-	24*	LED	5.6	1.3	4.8	4.0	Cont.	Fresnel	OVA34348	■	■	■		
			2	400	-	11*	LED	5.6	1.3	4.8	4.0	Cont.	Fresnel	OVA34345	■	■	■		
				400	400	11*	LED	6.2/12.5	1.5/6.4	7.2	1.6	Cont.	Fresnel	OVA34344	■	■	■		
<b>Maintained</b>																			
	IP65	IK07	1	400	400	11*	LED	6.2/12.5	1.5/6.4	7.2	1.6	Cont.	Fresnel	OVA34346	■	■	■		
				400	400	11*	LED	5.6/14	1.5/6.7	6.0	2.5	Cont.	Fresnel	OVA34346	■	■	■		

Note: The maintained products can be used in Non-maintained mode. The selection is made on the connector.

(1) Cont.: Dardo Plus control unit  
(\*): power equivalent to a fluorescent tube

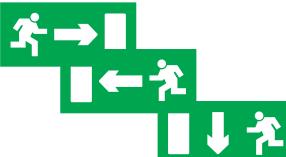
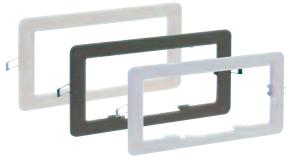
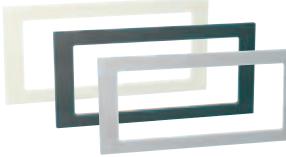
**Ni-Mh battery and -30°C ambient temperature products**

Exiway One	Protection rating	IP	IK	Autonomy (h)	Average flux (lm) in emergency condition	Maintained mode	Lamp rated power (W)	Socket	Consumption N.M/M (VA)	(W)	Ni-Mh battery (V)	(Ah)	Control (1)	Glasses	Cat. no.	It	Es	Be
<b>Exiway One Standard</b>																		
<b>Non-maintained</b>																		
P110319		IP65	IK07	1	380	-	8	G5	7.8	0.4	4.8	4.0	RC	Fresnel	OVA38702	■	■	■
<b>Maintained</b>																		
		IP65	IK07	1	220	360	8	G5	5.3/18.9	0.51/8.2	4.8	2.0	RC	Fresnel	OVA38701	■	■	■
<b>Exiway One Activa</b>																		
<b>High Flux</b>																		
P110317		IP65	IK07	1	600	-	24	2G11	8.7	0.38	6.0	4.0	RC	Fresnel	OVA38703	■	■	■
<b>Maintained</b>																		
		IP65	IK07	1	140	290	8	G5	4.8/15.2	0.35/6.5	3.6	2.0	RC	Fresnel	OVA38700	■	■	■
<b>LED</b>																		
P122024		IP65	IK07	1	420	-	24*	LED	13.3	0.39	4.8	2.0	RC	Transp.	OVA38704	■	■	■
<b>Exiway One Dardo</b>																		
<b>LED</b>																		
P122024		IP65	IK07	1	420	-	24*	LED	13.3	0.39	4.8	2.0	Cont.	Fresnel	OVA34335	■	■	■

Note: The maintained products can be used in Non-maintained mode. The selection is made on the connector.

(1) RC: Remote Control Téléur  
Cont.: Dardo Plus control unit  
(\*) power equivalent to a fluorescent tube

**Accessories catalogue numbers**

Type			Compatibility	Dimensions (mm) height x width x depth	Cat. no.
Pictogram stickers (set of 3) Left/Right/Down P92887 P92888 P92889	STD		6/11 W/LED 8/18/24 W	114 x 280 x 0.1 127 x 354 x 0.1	OVA53056 OVA53057
Visibility: 6/11 W: 22 m 8/18/24 W: 25 m P106503 P106502 P106501	DIN		6/11 W/LED 8/18/24 W	114 x 280 x 0.1 127 x 354 x 0.1	OVA53058 OVA53059
False ceiling kit* P106514 P106512 P118948	White Black Aluminium		6/11 W/LED 8/18/24 W 6/11 W/LED 8/18/24 W 6/11 W/LED 8/18/24 W	190 x 350 x 32 205 x 425 x 32 190 x 350 x 32 205 x 425 x 32 190 x 350 x 32 205 x 425 x 32	OVA53071 OVA53074 OVA53072 OVA53075 OVA53073 OVA53076
Frame for flush mounting box P102893 P102895 P106455	White Black Aluminium		6/11 W/LED 8/18/24 W 6/11 W/LED 8/18/24 W 6/11 W/LED 8/18/24 W	194 x 364 x 35 206 x 441 x 35 194 x 364 x 35 206 x 441 x 35 194 x 364 x 35 206 x 441 x 35	OVA53101 OVA53104 OVA53102 OVA53105 OVA53103 OVA53106
Flush mounting box P118875			6/11 W/LED 8/18/24 W		OVA53083 OVA53084
Protective grid P98698			6/11 W/LED 8/18/24 W	191 x 347 x 93 226 x 420 x 98	OVA53098 OVA53099
Tamper-proof screw			All	-	OVA53100

(\* ) Use these accessories only on sturdy material, like wood, metal or plaster plates (no glass wool plates).

### Accessories catalogue numbers (cont.)

Type		Compatibility	Dimensions (mm) height x width x depth	Cat. no.
P118344 Vetrosignal STD Visibility: 6/11 W: 22 m 8/18/24 W: 27 m	Down/Down		6/11 W/LED	133 x 266 x 8 <b>OVA53061</b>
	Left/Right		8/18/24 W	169 x 338 x 8 <b>OVA53063</b>
			6/11 W/LED	133 x 266 x 8 <b>OVA53060</b>
			8/18/24 W	169 x 338 x 8 <b>OVA53062</b>
P108504 Vetrosignal DIN Visibility: 6/11 W: 22 m 8/18/24 W: 27 m	Down/Down		6/11 W/LED	133 x 266 x 8 <b>OVA53065</b>
	Left/Right		8/18/24 W	169 x 338 x 8 <b>OVA53067</b>
			6/11 W/LED	133 x 266 x 8 <b>OVA53064</b>
			8/18/24 W	169 x 338 x 8 <b>OVA53066</b>
P118874 Prismasignal IP65 with 4 STD stickers (Left/Right/Down/ Down)  Visibility: 26 m	Ceiling		8/18/24 W	163 x 362 x 154 <b>OVA53068</b>
	Flag		8/18/24 W	163 x 362 x 154 <b>OVA53069</b>
	Wall		8/18/24 W	163 x 362 x 154 <b>OVA53070</b>
P898694 Hanging / electrified track kit			All models	— <b>OVA50347E</b>
P93007 Teleur remote control			All models (for 100 luminaires) 4.5 mod. of 18 mm	102 x 77 x 81 <b>OVA50325E</b>
			All models (for 500 luminaires)	90 x 71 x 60 4 mod. of 18 mm <b>OVA50326E</b>

**Spare parts catalogue numbers**

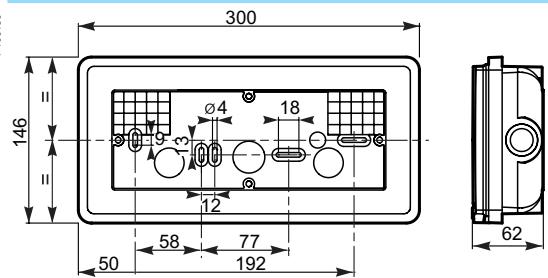
Type	Description	Compatibility	Cat. no.
Fluorescent tubes	6 W, G5	OVA38600, OVA38601, OVA38603, OVA38604, OVA38606, OVA38607, OVA38609, OVA38610, OVA38730, OVA38731	<b>OVA51057</b>
	6 W, G5	OVA34300, OVA34301, OVA34302, OVA34303, OVA38602, OVA38605, OVA38608, OVA38611	<b>OVA51037E</b>
	6 W, G5	OVA34360, OVA34361, OVA34373, OVA34374, OVA34375, OVA34376, OVA34377, OVA38732, OVA38733, OVA38752, OVA38753, OVA38754, OVA38755, OVA38756, OVA38757, OVA38758	<b>OVA51058</b>
	8 W, G5	OVA38612, OVA38613, OVA38618, OVA38619, OVA38624, OVA38625, OVA38630, OVA38631	<b>OVA51006E</b>
	8 W, G5	OVA34304, OVA34306, OVA34308, OVA34310, OVA38614, OVA38620, OVA38626, OVA38632	<b>OVA51041E</b>
	8 W, G5	OVA34305, OVA34307, OVA34309, OVA34311, OVA34362, OVA38615, OVA38616, OVA38617, OVA38621, OVA38622, OVA38623, OVA38627, OVA38628, OVA38629, OVA38633, OVA38634, OVA38700	<b>OVA51007E</b>
	8 W, G5	OVA34363, OVA34390, OVA34391, OVA38701, OVA38702, OVA38734, OVA38775, OVA38776, OVA38777, OVA38778, OVA38779, OVA38780, OVA38781	<b>OVA51008E</b>
	11 W, 2G7	OVA34312, OVA34313, OVA34314, OVA34315, OVA34364, OVA34365, OVA34366, OVA34367, OVA34368, OVA34369, OVA34370, OVA34371, OVA34392, OVA38635, OVA38636, OVA38637, OVA38638, OVA38639, OVA38640, OVA38641, OVA38642, OVA38643, OVA38644, OVA38645, OVA38646, OVA38735, OVA38736, OVA38737, OVA38738, OVA38739, OVA38740, OVA38741, OVA38742, OVA38743, OVA38744, OVA38745, OVA38746, OVA38747, OVA38782, OVA38783	<b>OVA51044E</b>
	18 W, 2G11	OVA34316, OVA34317, OVA34318, OVA34319, OVA34320, OVA34321, OVA34322, OVA34323, OVA34372, OVA38647, OVA38648, OVA38649, OVA38650, OVA38651, OVA38652, OVA38653, OVA38654, OVA38655, OVA38656, OVA38657, OVA38658, OVA38659, OVA38660, OVA38661, OVA38662, OVA38663, OVA38664, OVA38665, OVA38666, OVA38667, OVA38668, OVA38669, OVA38670, OVA38749, OVA38750, OVA38751, OVA38784	<b>OVA51085</b>
	24 W, 2G11	OVA34324, OVA34325, OVA34326, OVA34327, OVA34328, OVA34329, OVA34330, OVA34331, OVA38670, OVA38671, OVA38672, OVA38673, OVA38674, OVA38675, OVA38676, OVA38677, OVA38678, OVA38679, OVA38680, OVA38681, OVA38682, OVA38683, OVA38684, OVA38685, OVA38686, OVA38687, OVA38688, OVA38689, OVA38690, OVA38703, OVA38749, OVA38750, OVA38751, OVA38784	<b>OVA51042E</b>

### Spare parts catalogue numbers (cont.)

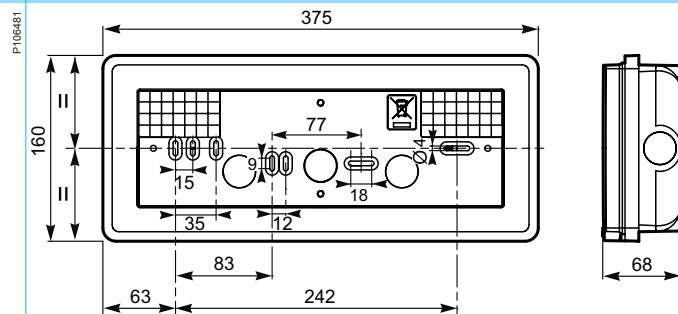
Type	Description	Compatibility	Cat. no.
Batteries (Ni-Cd)	2.4 V, 1.5 Ah	OVA38600, OVA38601	OVA51012E
	3.6 V, 1.5 Ah	OVA34300, OVA34302, OVA34304, OVA34305, OVA34336, OVA34337, OVA34360, OVA34361, OVA38602, OVA38606, OVA38607, OVA38608, OVA38612, OVA38613, OVA38614, OVA38615, OVA38616, OVA38617, OVA38705, OVA38706, OVA38709, OVA38730, OVA38731, OVA38732, OVA38733, OVA38752	OVA51013E
	3.6 V, 2.5 Ah	OVA34338, OVA34339, OVA38707, OVA38708, OVA38710	OVA51094
	3.6 V, 4.0 Ah	OVA34301, OVA34303, OVA34306, OVA34307, OVA38605, OVA38611, OVA38620, OVA38621, OVA38622, OVA38623	OVA51028E
	4.8 V, 1.5 Ah	OVA34308, OVA34309, OVA34312, OVA34340, OVA34362, OVA34373, OVA38624, OVA38625, OVA38626, OVA38627, OVA38628, OVA38629, OVA38635, OVA38636, OVA38637, OVA38711, OVA38735	OVA51016E
	4.8 V, 4.0 Ah	OVA34310, OVA34311, OVA34313, OVA34314, OVA34342, OVA34345, OVA34347, OVA34348, OVA34363, OVA34364, OVA34365, OVA34371, OVA34374, OVA34375, OVA34376, OVA34390, OVA34391, OVA34392, OVA38630, OVA38631, OVA38632, OVA38633, OVA38634, OVA38638, OVA38639, OVA38640, OVA38641, OVA38642, OVA38643, OVA38713, OVA38716, OVA38717, OVA38718, OVA38734, OVA38736, OVA38737, OVA38740, OVA38745, OVA38746, OVA38747, OVA38753, OVA38754, OVA38758, OVA38779, OVA38780, OVA38781, OVA38782, OVA38783	OVA58994
	6.0 V, 1.5 Ah	OVA34315, OVA34366, OVA38603, OVA38604, OVA38644, OVA38645, OVA38646, OVA38738, OVA38739, OVA38755, OVA38756, OVA38775, OVA38776, OVA38777, OVA38778	OVA51019E
	6.0 V, 2.2 Ah	OVA34322, OVA34369, OVA34370, OVA38664, OVA38665, OVA38666, OVA38743, OVA38744	OVA51053E
	6.0 V, 2.5 Ah	OVA34323, OVA34343, OVA34346, OVA38667, OVA38668, OVA38669, OVA38714	OVA51054
	6.0 V, 4.0 Ah	OVA34316, OVA34317, OVA34324, OVA34325, OVA34330, OVA34372, OVA38647, OVA38648, OVA38649, OVA38650, OVA38651, OVA38652, OVA38653, OVA38654, OVA38656, OVA38670, OVA38671, OVA38672, OVA38673, OVA38674, OVA38675, OVA38676, OVA38677, OVA38685, OVA38686, OVA38687, OVA38748, OVA38749, OVA38750, OVA38751	OVA51055
	6.0 V, 4.0 Ah	OVA34318, OVA34319, OVA34326, OVA34327, OVA34331, OVA38655, OVA38657, OVA38678, OVA38688, OVA38689, OVA38690, OVA38784	OVA51039E
	7.2 V, 1.5 Ah	OVA34320, OVA34328, OVA34367, OVA34368, OVA34377, OVA38609, OVA38610, OVA38618, OVA38619, OVA38658, OVA38659, OVA38660, OVA38661, OVA38662, OVA38679, OVA38680, OVA38681, OVA38682, OVA38683, OVA38741, OVA38742, OVA38757	OVA51021E
	7.2 V, 1.6 Ah	OVA34321, OVA34329, OVA34341, OVA34344, OVA38663, OVA38684, OVA38712, OVA38715	OVA51056
Batteries (Ni-Mh)	3.6 V, 2.0 Ah	OVA38700	OVA51098
	4.8 V, 2.0 Ah	OVA34335, OVA38701, OVA38704	OVA51099
	4.8 V, 4.0 Ah	OVA38702	OVA51100
	6.0 V, 4.0 Ah	OVA38703	OVA51102
Battery heater (battery not included)		OVA34335, OVA38704	OVA51103

**Mounting dimensions**

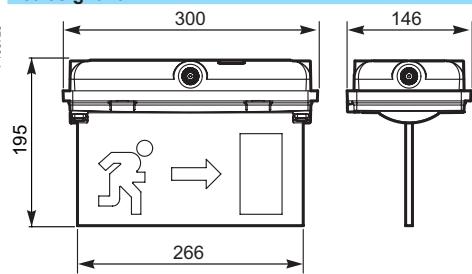
6/11 W/LED



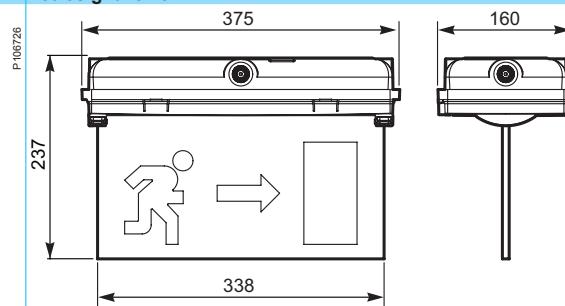
8/18/24 W



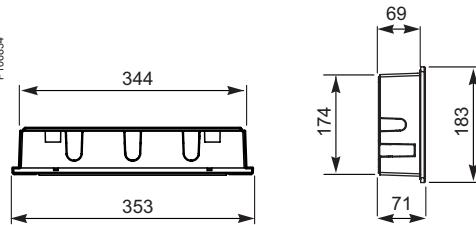
Vetrosignal 6/11 W/LED



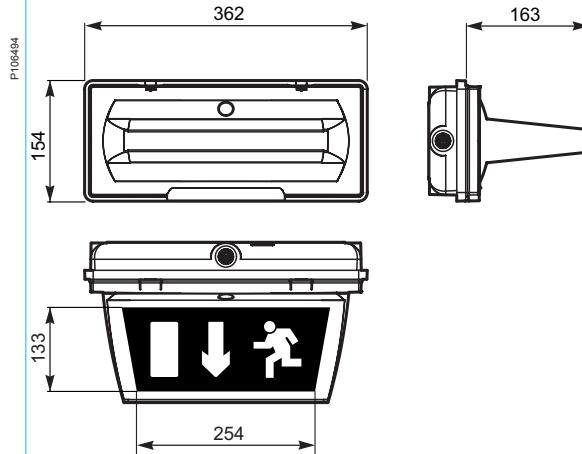
Vetrosignal 8/18/24 W



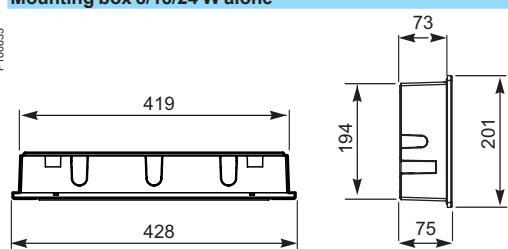
Mounting box 6/11 W/LED alone



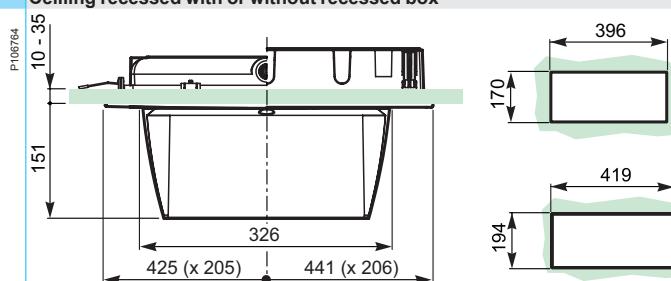
Prismasignal 8/18/24 W



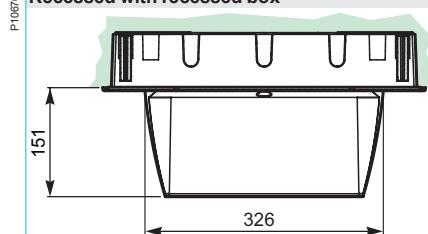
Mounting box 8/18/24 W alone



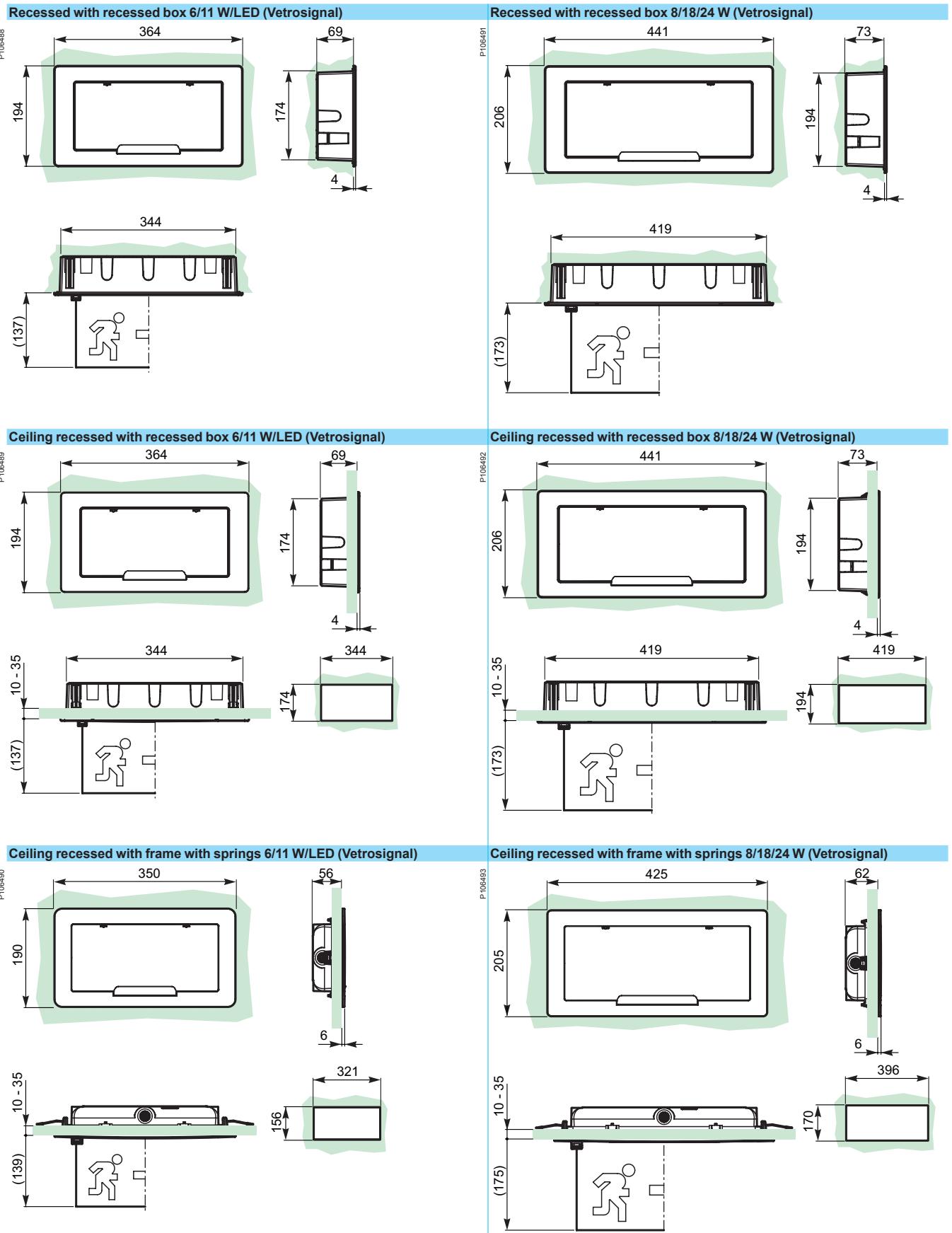
Ceiling recessed with or without recessed box



Recessed with recessed box



## Dimensions in installation



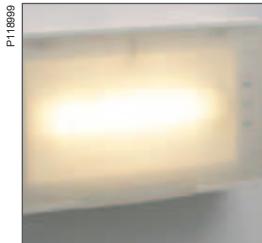
# > Exiway Plus

- Screwless connector
- LED technology models
- Bi-material cable gland
- Flush embedding



"Design solutions

# Design and advanced functionalities



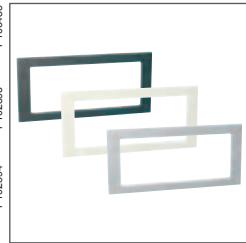
## Opaline cover glass

harmonious design and luminous flux.



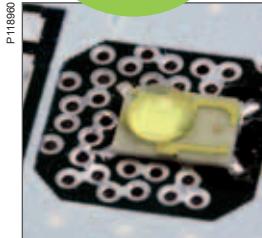
## Versatile installation

For every type of installation: false ceilings, flush-mounted, surface-mounted,... technical room (electrified track kit). Flush embedding integration with no added thickness (discreet installation).



## Colored frames

White, aluminium, black for a personalised finish.



## Longer life time and lower consumption

Average energy consumption (< 2 W). > 10 years expected service life (in typical ambient temperature\* condition).

(\* Typical ambient temperature: 25°C.



## Test button

On the Activa version, pushbutton auto-test.



## Transparent green cover glass

Light green colouring for easily recognisable design.



- Carefully designed and finished.
- LED solutions
- Easy installation and maintenance
- Comprehensive range of functionalities: lumen flow, LED technology, versions...
- Versatile solution



**Easy to install, easy to maintain.**

It is designed in **2 parts** for the ultimate in easy installation:

P110315



Fresnel Lens to increase the useful lighted surface

P110326



Opaline for a nice Design

P110328



LED technology for low maintenance, energy and cost saving

- Quick fixing plate-body with connector.

- Light fitting with all the active elements, and the reflector.



- Rotary cover glass

P118967



- 6. Access from 4 sides



Easy cable insertion due to bi-material cable gland.

P108487



Bi-material for Ø 16 mm cable and Ø 20 mm tubes.

P119248



Cable organizer to hold the battery cables.

**Product delivered  
non-assembled.**

### 1. Fast installation

P106295



P119041



P119049

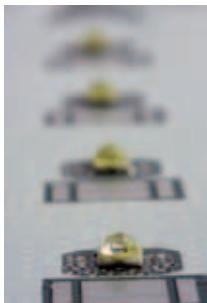


P119053



The body can be pre-installed so that the light fitting then just clicks into place. Screwless connector 2 x 2.5 mm<sup>2</sup> per input.

P118982



Lasts a long time: more than 50,000 hours service life.

### 2. Safe and easy maintenance

P119224



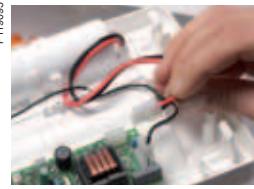
P119227



P119230



P119093



Easy access to the parts thanks to the fastened cover glass.  
Rotary cover glass remain attached to the reflector.

Unlock the reflector without any tool.

Easy, safe battery connection, no risk.

### 3. Versatile: an accessory for every type of installation

P118875



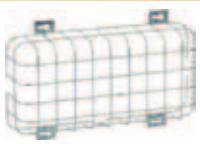
P10651  
P118947  
P106513



P118944



P10698



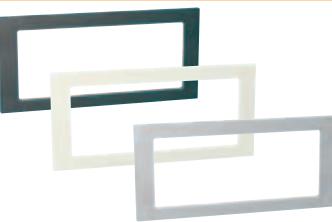
For installation in false ceilings, flush mounting, surface mounting, electrical conduits, Vetrosignal, etc.

### 4. Personalized

P119063



P106845  
P102893  
P102894



P119006

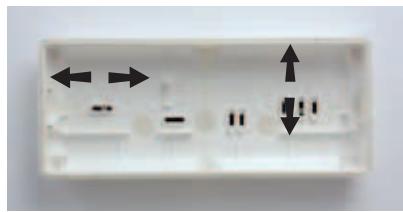


Straight frames in 3 colours: white, aluminium, black for better integration.

Functional test directly on the product, thanks to the LED push button on Activa versions.  
**Standard and Activa versions (Belgium only)**

### 8. Easy to fasten and align

P106287



Several easy ways of fastening the light fitting.

### 9. Secure fastening

P118921



There is no chance of getting it wrong when joining the two parts of the light fitting.

P118802



Pre-drilled holes.

Versions	Standard	Activa	Dardo	It	Es	Be
CE, UL, N, EAC	P10308	P10326	P10328			
<b>Technical specifications</b>						
Protection rating	IP42	IP42	IP42			
Green cover glass	■	■	■			
Opaline cover glass	■	■	■			
Fresnel cover glass	■	■	■			
Transparent cover glass	■	■	-			
Autonomy	1 h 2 h 3 h	■ ■ ■	■ - ■			
Adaptable exit sign	■					
<b>Average flux in emergency condition</b>						
50 lm	■	-	-	■	-	-
65 lm	■	-	-	■	■	-
70 lm	■	■	■	■	■	-
90 lm	■	■	■	■	■	-
100 lm	■	■	-	■	■	-
110 lm	■	-	-	■		
120 lm	■	■	■	■	■	-
140 lm	■	■	■	■	■	-
150 lm	■	■	■	■	■	-
180 lm	■	■	■	■	■	
200 lm	■	■	■	■	■	
210 lm	■	-	-	-	■	-
220 lm	■	■	■	■	-	-
240 lm	■	-	■	-	■	-
250 lm	■	■	■	-	-	■
260 lm	■	■	■	■	■	
270 lm	■	-	-	■	■	-
300 lm	■	■	■	■	■	
325 lm	■	-	■	-	■	-
330 lm	■	-	■	-	■	-
380 lm	■	■	■	-	-	■
400 lm	■	-	-	-	-	■
440 lm	-	■	■	-	-	■
450 lm	■	■	-	-	■	-
460 lm	■	-	■	-	■	-
525 lm	■	■	■	■	■	
600 lm	-	■	-	-	-	■
<b>Installation methods</b>						
Wall	■					
Flush	■					
Ceiling	■					
False ceiling	■					
Recessed	■					
Hanging	■					
Electrified track	■					
<b>Page</b>	38	40	41			

P10308



CE

P10326



CE

P10313



CE

P10328



CE

## Technical specifications

- Available for maintained, non-maintained and combined operation: the maintained products can be used in non-maintained mode. The selection is made on the connector
- Installation: quick fixing plate-body
- Compliant with IEC EN 60598-2-22 standard
  - IMQ certification (Italy)
  - AENOR certification (Spain)
  - ENEC certification (Belgium)
- Standard and Self-diagnosis versions (Activa): can be inhibited with rest mode via Teleur range of remote controls
- Addressable version (Dardo):
  - centralized control by Dardo Plus control unit
  - can be inhibited with rest mode via Dardo Plus control unit
- Protection rating: IP42, IK07
- Insulation class: II
- Installation even on flammable surfaces
- Operating temperature: 0...40°C
- Fire behaviour (IEC 60695-2-10), incandescent wire: 850°C
- Case of self-extinguishing polycarbonate 94V-2 (UL 94)
- Light source:
  - 1 or 2 fluorescent lamps (2 for combined)
  - long-lasting LED light source
- (> 10 years expected in typical ambient temperature\* condition)
- Power supply: 230 V, 50 Hz
- Complete recharge:
  - in 12 h for model with 1 h autonomy
  - in 24 h for model with 2 and 3 h autonomy.

(\* ) Typical ambient temperature: 25°C

**Product catalogue numbers**

Exiway Plus Standard	Protection rating	IP	IK	Autonomy (h)	Average flux (lm) in emergency condition	Lamp maintained mode	Socket	Consumption (VA)	(W)	Ni-Cd battery (V)	(Ah)	Control (1)	Glasses	Cat. no.	It	Es	Be	
<b>Non-maintained</b>																		
P110308	IP42	IK07	1		50	-	6	G5	3.00	1.70	2.4	1.5	RC	Green	OVA38800	■		
					70	-	6	G5	3.00	1.70	3.6	1.5	RC	Opaline	OVA38804	■	■	
					90	-	8	G5	3.00	1.70	3.6	1.5	RC	Green	OVA38808	■		
					120	-	8	G5	4.00	2.60	4.8	1.5	RC	Opaline	OVA38816	■		
					120	-	11	2G7	4.00	2.60	4.8	1.5	RC	Opaline	OVA38931	■		
					120	-	11	2G7	4.00	2.60	4.8	1.5	RC	Green	OVA38824	■		
					150	-	11	2G7	4.20	2.70	6.0	1.5	RC	Opaline	OVA38830	■	■	
					220	-	18	2G11	4.20	2.60	7.2	1.5	RC	Green	OVA38840	■		
					240	-	11	2G7	4.20	2.60	7.2	1.5	RC	Opaline	OVA38933	■		
					260	-	24	2G11	4.20	2.60	7.2	1.5	RC	Green	OVA38856	■		
					300	-	18	2G11	5.00	1.80	6.0	2.2	RC	Opaline	OVA38844	■		
					325	-	11	2G7	5.00	1.80	6.0	2.2	RC	Opaline	OVA38934	■		
					400	-	11	2G7	5.20	2.10	7.2	2.2	RC	Opaline	OVA38935	■		
					460	-	11	2G7	5.80	2.40	4.8	4.0	RC	Opaline	OVA38936	■		
					525	-	24	2G11	6.20	2.90	6.0	4.0	RC	Opaline	OVA38860	■		
P110326					110	-	11	2G7	6.60	1.40	6.0	2.5	RC	Opaline	OVA38932	■		
					300	-	18	2G11	7.80	3.80	6.0	4.0	RC	Opaline	OVA38937	■		
					50	-	6	G5	4.20	2.70	6.0	1.5	RC	Green	OVA38802	■		
					65	-	6	G5	4.20	2.60	7.2	1.5	RC	Opaline	OVA38806	■	■	
					90	-	8	G5	4.20	2.60	7.2	1.5	RC	Green	OVA38812	■		
					120	-	8	G5	6.60	2.30	4.8	4.0	RC	Opaline	OVA38820	■		
					120	-	11	2G7	6.60	2.30	4.8	4.0	RC	Opaline	OVA38828	■	■	
					140	-	11	2G7	6.60	2.30	4.8	4.0	RC	Green	OVA38826	■		
					180	-	18	2G11	7.00	3.10	6.0	4.0	RC	Opaline	OVA38834	■		
					200	-	18	2G11	7.00	3.10	6.0	4.0	RC	Green	OVA38832	■		
					200	-	24	2G11	6.20	2.90	6.0	4.0	RC	Opaline	OVA38850	■		
					220	-	24	2G11	6.20	2.90	6.0	4.0	RC	Green	OVA38848	■		
<b>Maintained</b>																		
P110307	IP42	IK07	1		120	200	8	G5	13.00	7.00	3.6	1.5	RC	Green	OVA38810	■		
					120	240	8	G5	17.70	6.90	4.8	1.5	RC	Opaline	OVA38818	■		
					220	430	18	2G11	21.00	11.50	7.2	1.5	RC	Green	OVA38842	■		
					260	550	24	2G11	25.70	14.50	7.2	1.5	RC	Green	OVA38858	■		
					300	380	18	2G11	24.90	10.20	6.0	2.5	RC	Opaline	OVA38846	■		
					330	320	8	G5	24.20	10.30	4.8	4.0	RC	Opaline	OVA38930	■		
					525	490	24	2G11	30.90	14.20	6.0	4.0	RC	Opaline	OVA38862	■		
					120	200	8	G5	15.90	6.60	3.6	4.0	RC	Green	OVA38814	■		
					120	240	8	G5	17.70	7.70	4.8	4.0	RC	Opaline	OVA38822	■	■	
					180	380	18	2G11	23.90	10.40	6.0	4.0	RC	Opaline	OVA38838	■		
					180	490	24	2G11	27.90	13.80	6.0	4.0	RC	Opaline	OVA38854	■		
					180	430	18	2G11	23.90	10.40	6.0	4.0	RC	Green	OVA38836	■		
					200	550	24	2G11	27.90	13.80	6.0	4.0	RC	Green	OVA38852	■		
<b>Combined</b>																		
P110307	IP42	IK07	1		120	180	2x6	2xG5	17.00	6.50	4.8	1.5	RC	Opaline	OVA38938	■		
					210	180	2x6	2xG5	17.50	6.40	7.2	1.5	RC	Opaline	OVA38940	■		
					2	180	180	2x6	2xG5	16.20	6.70	4.8	4.0	RC	Opaline	OVA38939	■	

Note: The maintained products can be used in Non-maintained mode. The selection is made on the connector.

(1) RC: Remote control Teleur

**Product catalogue numbers (cont.)**

Exiway Plus Standard	Protection rating	IP	IK	Autonomy (h)	Average flux (lm) in emergency condition	Lamp maintained mode	Socket power (W)	Consumption (VA)	Ni-Cd battery (W)	Control (1)	Glasses	Cat. no.	It	Es	Be			
<b>High Flux</b>																		
<b>Non-maintained</b>																		
P10313	IP42	IK07	1	200	-	6	G5	4.10	2.60	6.0	1.5	RC	Fresnel	OVA38975	■	■		
				200	-	8	G5	4.10	2.60	6.0	1.5	RC	Fresnel	OVA38977	■	■		
				380	-	8	G5	8.40	1.60	4.8	4.0	RC	Fresnel	OVA38981	■	■		
				525	-	11	2G7	8.40	1.60	4.8	4.0	RC	Fresnel	OVA38985	■	■		
<b>Maintained</b>																		
P10328	IP42	IK07	1	250	320	8	G5	18.60	7.20	6.0	1.5	RC	Fresnel	OVA38979	■	■		
				380	380	8	G5	24.20	10.30	4.8	4.0	RC	Fresnel	OVA38983	■	■		
<b>Exiway Plus Standard LED</b>																		
<b>Non-maintained</b>																		
P10328	IP42	IK07	1	100	-	6*	LED	4.80	0.80	3.6	1.5	RC	Transparent	OVA38864	■	■		
				100	-	8*	LED	4.80	0.80	3.6	1.5	RC	Transparent	OVA38868	■	■		
				140	-	11*	LED	4.80	0.80	3.6	1.5	RC	Transparent	OVA38876	■	■		
				300	-	18*	LED	5.60	1.30	4.8	1.5	RC	Transparent	OVA38884	■	■		
				450	-	24*	LED	5.60	1.30	4.8	4.0	RC	Transparent	OVA38888	■	■		
			3	100	-	6*	LED	4.80	2.10	3.6	4.0	RC	Transparent	OVA38866	■	■		
				100	-	8*	LED	4.80	2.10	3.6	4.0	RC	Transparent	OVA38872	■	■		
				140	-	11*	LED	4.80	2.10	3.6	4.0	RC	Transparent	OVA38878	■	■		
				200	-	18*	LED	5.60	2.50	4.8	4.0	RC	Transparent	OVA38880	■	■		
<b>Maintained</b>																		
P10328	IP42	IK07	1	100	100	8*	LED	13.10	5.20	3.6	1.5	RC	Transparent	OVA38870	■	■		
				270	260	18*	LED	18.70	7.90	7.2	1.5	RC	Transparent	OVA38886	■	■		
			3	100	100	8*	LED	14.10	7.30	3.6	4.0	RC	Transparent	OVA38874	■	■		
				200	200	18*	LED	19.20	9.90	4.8	4.5	RC	Transparent	OVA38882	■	■		

Note: The maintained products can be used in Non-maintained mode. The selection is made on the connector.

(1) RC: Remote control Teleur

(\*): power equivalent to a fluorescent tube

**Product catalogue numbers (cont.)**

Exiway Plus Activa	Protection rating	IP	IK	Autonomy (h)	Average flux (lm) in emergency condition	Lamp rated power (W)	Socket	Consumption (VA)	Ni-Cd battery (V)	Control (1)	Glasses	Cat. no.	It	Es	Be	
<b>Non-maintained</b>																
P110307		IP42	IK07	1	70	-	6 G5	5.80	0.90	3.6	1.5	RC	Green	OVA38801	■	■
					70	-	6 G5	5.80	0.90	3.6	1.5	RC	Opaline	OVA38805	■	■
					90	-	8 G5	3.00	1.70	3.6	1.5	RC	Green	OVA38809	■	■
					120	-	8 G5	4.00	2.60	4.8	1.5	RC	Opaline	OVA38817	■	■
					120	-	11 2G7	4.00	2.60	4.8	1.5	RC	Green	OVA38825	■	■
					150	-	11 2G7	4.20	2.70	6.0	1.5	RC	Opaline	OVA38831	■	■
					220	-	18 2G11	4.20	2.60	7.2	1.5	RC	Green	OVA38841	■	■
					260	-	24 2G11	4.20	2.60	7.2	1.5	RC	Green	OVA38857	■	■
					300	-	18 2G11	7.40	1.60	6.0	2.2	RC	Opaline	OVA38845	■	■
					525	-	24 2G11	9.40	2.20	6.0	4.0	RC	Opaline	OVA38861	■	■
					70	-	6 G5	5.80	1.90	3.6	4.0	RC	Green	OVA38803	■	■
					70	-	6 G5	5.80	1.90	3.6	4.0	RC	Opaline	OVA38807	■	■
					90	-	8 G5	7.60	1.40	3.6	4.0	RC	Green	OVA38813	■	■
					120	-	8 G5	6.60	2.30	4.8	4.0	RC	Opaline	OVA38821	■	■
					120	-	11 2G7	6.60	2.30	4.8	4.0	RC	Opaline	OVA38829	■	■
					140	-	11 2G7	6.60	2.30	4.8	4.0	RC	Green	OVA38827	■	■
					180	-	18 2G11	7.00	3.10	6.0	4.0	RC	Opaline	OVA38835	■	■
					200	-	18 2G11	7.00	3.10	6.0	4.0	RC	Green	OVA38833	■	■
					200	-	24 2G11	7.60	1.40	6.0	4.0	RC	Opaline	OVA38851	■	■
					220	-	24 2G11	7.60	1.40	6.0	4.0	RC	Green	OVA38849	■	■
<b>Maintained</b>																
P110326		IP42	IK07	1	120	200	8 G5	15.90	5.90	3.6	1.5	RC	Green	OVA38811	■	■
					120	240	8 G5	17.70	6.90	4.8	1.5	RC	Opaline	OVA38819	■	■
					220	430	18 2G11	24.50	9.60	7.2	1.6	RC	Green	OVA38843	■	■
					260	550	24 2G11	28.50	13.00	7.2	1.6	RC	Green	OVA38859	■	■
					300	380	18 2G11	24.90	10.20	6.0	2.5	RC	Opaline	OVA38847	■	■
					525	490	24 2G11	30.90	14.20	6.0	4.0	RC	Opaline	OVA38863	■	■
					120	200	8 G5	15.90	6.60	3.6	4.0	RC	Green	OVA38815	■	■
					120	240	8 G5	17.70	7.70	4.8	4.0	RC	Opaline	OVA38823	■	■
					180	430	18 2G11	23.90	10.40	6.0	4.0	RC	Green	OVA38837	■	■
					180	490	24 2G11	27.90	13.80	6.0	4.0	RC	Opaline	OVA38855	■	■
					200	380	18 2G11	23.90	10.40	6.0	4.0	RC	Opaline	OVA38839	■	■
					200	550	24 2G11	27.90	13.80	6.0	4.0	RC	Green	OVA38853	■	■
<b>High Flux</b>																
<b>Non-maintained</b>																
P110313		IP42	IK07	1	200	-	6 G5	6.40	1.00	6.0	1.5	RC	Fresnel	OVA38976	■	■
					200	-	8 G5	4.10	2.70	6.0	1.5	RC	Fresnel	OVA38978	■	■
					380	-	8 G5	8.40	1.60	4.8	4.0	RC	Fresnel	OVA38982	■	■
					525	-	11 2G7	8.40	1.60	4.8	4.0	RC	Fresnel	OVA38986	■	■
<b>Maintained</b>																
P110317		IP42	IK07	1	250	320	8 G5	18.60	7.20	6.0	1.5	RC	Fresnel	OVA38980	■	■
					380	380	8 G5	24.20	10.30	4.8	4.0	RC	Fresnel	OVA38984	■	■
					600	600	24 G5	30.90	14.20	6.0	4.0	RC	Fresnel	OVA38987	■	■
<b>Exiway Plus Protection LED rating</b>																
<b>Non-maintained</b>																
P110328		IP42	IK07	1	100	-	6* LED	4.80	0.80	3.6	1.5	RC	Transparent	OVA38865	■	■
					100	-	8* LED	4.80	0.80	3.6	1.5	RC	Transparent	OVA38869	■	■
					140	-	11* LED	4.80	0.80	3.6	1.5	RC	Transparent	OVA38877	■	■
					300	-	18* LED	5.60	1.30	4.8	1.5	RC	Transparent	OVA38885	■	■
					440	-	24* LED	5.60	1.30	4.8	4.0	RC	Fresnel	OVA38989	■	■
					450	-	24* LED	5.60	1.30	4.8	4.0	RC	Transparent	OVA38899	■	■
					100	-	6* LED	4.80	2.10	3.6	4.0	RC	Transparent	OVA38867	■	■
					100	-	8* LED	4.80	2.10	3.6	4.0	RC	Transparent	OVA38873	■	■
					140	-	11* LED	4.80	2.10	3.6	4.0	RC	Transparent	OVA38879	■	■
					200	-	18* LED	5.60	2.50	4.8	4.0	RC	Transparent	OVA38881	■	■
<b>Maintained</b>																
		IP42	IK07	1	100	100	8* LED	13.10	5.20	3.6	1.5	RC	Transparent	OVA38871	■	■
					260	260	18* LED	18.70	7.90	7.2	1.5	RC	Fresnel	OVA38988	■	■
					260	260	18* LED	18.70	7.90	7.2	1.5	RC	Transparent	OVA38887	■	■
					100	100	8* LED	14.10	7.30	3.6	4.0	RC	Transparent	OVA38875	■	■
					200	200	18* LED	19.20	9.90	4.8	4.5	RC	Transparent	OVA38883	■	■

Note: The maintained products can be used in Non-maintained mode. The selection is made on the connector.

(1) RC: Remote control Teleur

(\*): power equivalent to a fluorescent tube

**Product catalogue numbers (cont.)**

Exiway Plus Dardo	Protection rating	IP	IK	Autonomy (h)	Average flux (lm) in emergency condition	Lamp maintained mode	Socket	Consumption (VA)	Ni-Cd battery (W)	Control (1)	Glasses	Cat. no.	It	Es	Be		
<b>Non-maintained</b>																	
P110312		IP42	IK07	1	70	-	6 G5	5.70	0.90	3.6	1.5	Cont.	Green	OVA34400	■		
					70	-	6 G5	5.70	0.90	3.6	1.5	Cont.	Opaline	OVA34401	■	■	
					90	-	8 G5	5.80	0.90	3.6	1.5	Cont.	Green	OVA34403	■		
					120	-	11 2G7	6.40	0.80	4.8	1.5	Cont.	Green	OVA34411	■		
					120	-	8 G5	6.40	0.90	4.8	1.5	Cont.	Opaline	OVA34407	■		
					150	-	11 2G7	6.40	1.10	6.0	1.5	Cont.	Opaline	OVA34414	■		
					220	-	18 2G11	6.40	1.10	7.2	1.5	Cont.	Green	OVA34419	■		
					240	-	11 2G7	7.50	1.40	7.2	1.5	Cont.	Opaline	OVA34462	■		
					260	-	24 2G11	7.50	1.40	7.2	1.5	Cont.	Green	OVA34427	■		
					300	-	18 2G11	7.80	1.30	6.0	2.2	Cont.	Opaline	OVA34421	■		
					325	-	11 2G7	6.40	1.70	6.0	2.2	Cont.	Opaline	OVA34463	■		
					460	-	11 2G7	8.40	1.60	4.8	4.0	Cont.	Opaline	OVA34464	■		
					525	-	24 2G11	10.00	1.90	6.0	4.0	Cont.	Opaline	OVA34429	■		
					200	-	11 2G7	8.40	1.60	4.8	4.0	Cont.	Opaline	OVA34461	■		
					300	-	18 2G11	7.80	2.30	6.0	4.0	Cont.	Opaline	OVA34465	■		
					70	-	6 G5	5.70	1.90	3.6	4.0	Cont.	Opaline	OVA34402	■		
					90	-	8 G5	5.40	1.50	3.6	4.0	Cont.	Green	OVA34405	■		
					120	-	8 G5	6.40	1.90	4.8	4.0	Cont.	Opaline	OVA34409	■		
					120	-	11 2G7	6.40	1.90	4.8	4.0	Cont.	Opaline	OVA34413	■	■	
					140	-	11 2G7	6.40	1.90	4.8	4.0	Cont.	Green	OVA34412	■		
					180	-	18 2G11	6.90	1.90	6.0	4.0	Cont.	Opaline	OVA34416	■		
					200	-	18 2G11	6.90	1.90	6.0	4.0	Cont.	Green	OVA34415	■		
					200	-	24 2G11	6.90	2.30	6.0	4.0	Cont.	Opaline	OVA34424	■		
					220	-	24 2G11	6.90	2.30	6.0	4.0	Cont.	Green	OVA34423	■		
<b>Maintained</b>																	
P110369		IP42	IK07	1	120	200	8 G5	15.90	5.90	3.6	1.5	Cont.	Green	OVA34404	■		
					120	240	8 G5	17.70	6.90	4.8	1.5	Cont.	Opaline	OVA34408	■		
					220	430	18 2G11	24.20	9.60	7.2	1.6	Cont.	Green	OVA34420	■		
					260	550	24 2G11	28.50	13.00	7.2	1.6	Cont.	Green	OVA34428	■		
					300	380	18 2G11	24.90	10.20	6.0	2.5	Cont.	Opaline	OVA34422	■		
					330	320	8 G5	24.20	10.30	4.8	4.0	Cont.	Opaline	OVA34460	■		
					525	490	24 2G11	30.90	14.20	6.0	4.0	Cont.	Opaline	OVA34430	■		
P110327		IP42	IK07	3	120	200	8 G5	15.90	6.60	3.6	4.0	Cont.	Green	OVA34406	■		
					120	240	8 G5	17.70	7.70	4.8	4.0	Cont.	Opaline	OVA34410	■	■	
					180	380	18 2G11	23.70	10.40	6.0	4.0	Cont.	Opaline	OVA34418	■		
					180	490	24 2G11	27.90	13.80	6.0	4.0	Cont.	Opaline	OVA34426	■		
					200	430	18 2G11	23.70	10.40	6.0	4.0	Cont.	Green	OVA34417	■		
					200	550	24 2G11	27.90	13.80	6.0	4.0	Cont.	Green	OVA34425	■		
<b>High Flux</b>																	
<b>Non-maintained</b>																	
P110310		IP42	IK07	1	200	-	6 G5	6.40	1.10	6.0	1.5	Cont.	Fresnel	OVA34490	■		
					250	-	8 G5	6.40	1.10	6.0	1.5	Cont.	Fresnel	OVA34491	■		
					380	-	8 G5	8.40	1.60	4.8	4.0	Cont.	Fresnel	OVA34492	■		
					525	-	11 2G7	8.40	1.60	4.8	4.0	Cont.	Fresnel	OVA34494	■		
<b>Maintained</b>																	
		IP42	IK07	1	380	380	8 G5	24.20	10.30	4.8	4.0	Cont.	Fresnel	OVA34493	■		
<b>Exiway Plus Dardo LED</b>																	
<b>Non-maintained</b>																	
P110328		IP42	IK07	1	440	-	24*	LED	5.60	1.30	4.8	4.0	Cont	Fresnel	OVA34496	■	
<b>Maintained</b>																	
		IP42	IK07	1	260	260	18*	LED	18.70	5.90	7.2	1.5	Cont	Fresnel	OVA34495	■	

Note: The maintained products can be used in Non-maintained mode. The selection is made on the connector.

(1) Cont: Dardo Plus control unit

(\*): power equivalent to a fluorescent tube

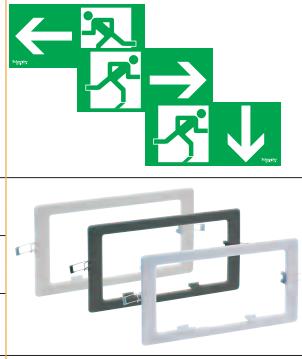
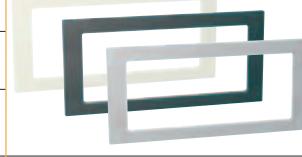
**Ni-Mh battery**

Exiway Plus Activa	Protection rating	IP	IK	Autonomy (h)	Average flux (lm) in emergency condition	Lamp maintained mode	Socket power (W)	Consumption N.M/M (VA)	Consumption M/M (W)	Ni-Mh battery (V)	Control (1) (Ah)	Glasses	Cat. no.	It	Es	Be	
<b>LED</b>																	
P110328																	
<b>Non-maintained</b>																	
		IP42	IK07	1	500	-	24*	LED	5.8	0.36	4.8	2.0	RC	Transparent	OVA38891	■	■ ■ ■
<b>Maintained</b>																	
		IP42	IK07	1	270	270	18*	LED	5.5/13.8	3.4/5.9	4.8	2.0	RC	Transparent	OVA38890	■	■ ■ ■

Note: The maintained products can be used in Non-maintained mode. The selection is made on the connector.

(1) RC: Remote control Teleur  
(\*): power equivalent to a fluorescent tube

**Accessories catalogue numbers**

Type			Compatibility	Dimensions (mm) height x width x depth	Cat. no.
Pictogram stickers (set of 3) Left/Right/ Down  Visibility: 6/11 W/LED: 22 m 8/18/24 W: 25 m	STD  P92889 P92888 P92887 P106501 P106502 P106503		6/11 W/LED 8/18/24 W	114 x 280 x 0.1 127 x 354 x 0.1	OVA53056 OVA53057
False ceiling kit*	DIN  P106511 P106510 P106513 P106511 P106511		6/11 W/LED 8/18/24 W	114 x 280 x 0.1 127 x 354 x 0.1	OVA53058 OVA53059
Frame for flush mounting box  P102893 P102894 P102895	White  Black  Aluminium  P106485 P106486		6/11 W/LED 8/18/24 W 6/11 W/LED 8/18/24 W 6/11 W/LED 8/18/24 W	190 x 350 x 29 213 x 424 x 29 190 x 350 x 29 213 x 424 x 29 190 x 350 x 29 213 x 424 x 29	OVA53077 OVA53080 OVA53078 OVA53081 OVA53079 OVA53082
Flush mounting box (1)  P118875			6/11 W/LED 8/18/24 W	209 x 364 x 32 219 x 441 x 32	OVA53107 OVA53110
Protective grid  P98988			6/11 W/LED 8/18/24 W	209 x 364 x 32 219 x 441 x 32	OVA53108 OVA53111
Tamper-proof screw  P118944			All	—	OVA53100
Vetrosignal STD  Visibility: 6/11 W/LED: 22 m 8/18/24 W: 27 m	Down/Down  Left/Right		6/11 W/LED 8/18/24 W 6/11 W/LED 8/18/24 W	133 x 266 x 8 169 x 338 x 8 133 x 266 x 8 169 x 338 x 8	OVA53061 OVA53063 OVA53060 OVA53062
Vetrosignal DIN  Visibility: 6/11 W/LED: 22 m 8/18/24 W: 27 m	Down/Down  Left/Right		6/11 W/LED 8/18/24 W 6/11 W/LED 8/18/24 W	133 x 266 x 8 169 x 338 x 8 133 x 266 x 8 169 x 338 x 8	OVA53065 OVA53067 OVA53064 OVA53066
Hanging / electrified track kit  P98984			All models	—	OVA50347E
Teleur remote control  P93007			All models (for 100 luminaires)  All models (for 500 luminaires)	102 x 77 x 81 4.5 mod. of 18 mm  90 x 71 x 60 4 mod. of 18 mm	OVA50325E OVA50326E

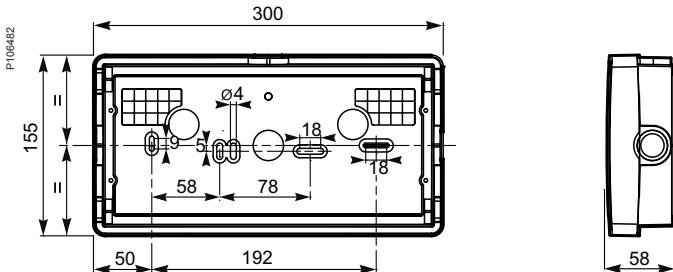
(\* ) Use these accessories only on sturdy material, like wood, metal or plaster plates  
(no glass wool plates).

**Spare parts catalogue numbers**

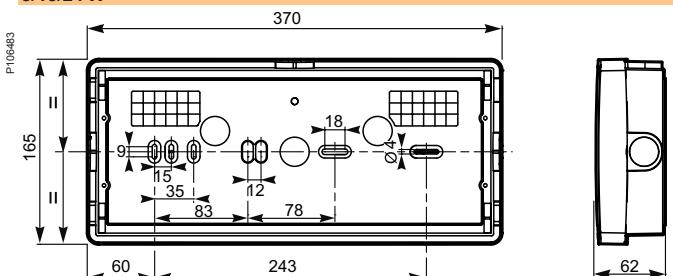
Type	Description	Compatibility	Cat. no.
Fluorescent tubes  P118925	6 W, G5	OVA38800, OVA38802, OVA38804, OVA38806	<b>OVA51057</b>
	6 W, G5	OVA34490, OVA38938, OVA38939, OVA38940, OVA38975, OVA38976	<b>OVA51058</b>
	6 W, G5	OVA34400, OVA34401, OVA34402, OVA38801, OVA38803, OVA38805, OVA38807	<b>OVA51037E</b>
	8 W, G5	OVA38808, OVA38812, OVA38816, OVA38820	<b>OVA51006E</b>
	8 W, G5	OVA34404, OVA34406, OVA34408, OVA34410, OVA38810, OVA38811, OVA38814, OVA38815, OVA38818, OVA38819, OVA38822, OVA38823	<b>OVA51007E</b>
	8 W, G5	OVA34460, OVA34491, OVA34492, OVA34493, OVA38930, OVA38977, OVA38978, OVA38979, OVA38980, OVA38981, OVA38982, OVA38983, OVA38984	<b>OVA51008E</b>
	8 W, G5	OVA34403, OVA34405, OVA34407, OVA34409, OVA38809, OVA38813, OVA38817, OVA38821	<b>OVA51041E</b>
	11 W, 2G7	OVA34411, OVA34412, OVA34413, OVA34414, OVA34461, OVA34462, OVA34463, OVA34464, OVA34494, OVA38824, OVA38825, OVA38826, OVA38827, OVA38828, OVA38829, OVA38830, OVA38831, OVA38931, OVA38932, OVA38933, OVA38934, OVA38935, OVA38936, OVA38985, OVA38986	<b>OVA51044E</b>
	18 W, 2G11	OVA34415, OVA34416, OVA34417, OVA34418, OVA34419, OVA34420, OVA34421, OVA34422, OVA34465, OVA38832, OVA38833, OVA38834, OVA38835, OVA38836, OVA38837, OVA38838, OVA38839, OVA38840, OVA38841, OVA38842, OVA38843, OVA38844, OVA38845, OVA38846, OVA38847, OVA38937	<b>OVA51085</b>
	24 W, 2G11	OVA34423, OVA34424, OVA34425, OVA34426, OVA34427, OVA34428, OVA34429, OVA34430, OVA38848, OVA38849, OVA38850, OVA38851, OVA38852, OVA38853, OVA38854, OVA38855, OVA38856, OVA38857, OVA38858, OVA38859, OVA38860, OVA38861, OVA38862, OVA38863, OVA38987	<b>OVA51042E</b>
Batteries (Ni-Cd)  P118934	2.4 V, 1.5 Ah	OVA38800	<b>OVA51012E</b>
	3.6 V, 1.5 Ah	OVA34400, OVA34401, OVA34403, OVA34404, OVA38801, OVA38804, OVA38805, OVA38808, OVA38809, OVA38810, OVA38811, OVA38864, OVA38865, OVA38868, OVA38869, OVA38870, OVA38871, OVA38876, OVA38877	<b>OVA51013E</b>
	3.6 V, 4.0 Ah	OVA34402, OVA34405, OVA34406, OVA38803, OVA38807, OVA38813, OVA38814, OVA38815, OVA38866, OVA38867, OVA38872, OVA38873, OVA38874, OVA38875, OVA38878, OVA38879	<b>OVA51028E</b>
	4.8 V, 1.5 Ah	OVA34407, OVA34408, OVA34411, OVA38816, OVA38817, OVA38818, OVA38819, OVA38824, OVA38825, OVA38884, OVA38885, OVA38931, OVA38938	<b>OVA51016E</b>
	4.8 V, 4.0 Ah	OVA34409, OVA34410, OVA34412, OVA34413, OVA34460, OVA34461, OVA34464, OVA34492, OVA34493, OVA34494, OVA34496, OVA38820, OVA38821, OVA38822, OVA38823, OVA38826, OVA38827, OVA38828, OVA38829, OVA38880, OVA38881, OVA38888, OVA38889, OVA38930, OVA38935, OVA38936, OVA38939, OVA38981, OVA38982, OVA38983, OVA38984, OVA38985, OVA38986, OVA38989	<b>OVA58994</b>
	4.8 V, 4.5 Ah	OVA38882, OVA38883	<b>OVA51031E</b>
	6.0 V, 1.5 Ah	OVA34414, OVA34490, OVA34491, OVA38802, OVA38830, OVA38831, OVA38975, OVA38976, OVA38977, OVA38978, OVA38979, OVA38980	<b>OVA51019E</b>
	6.0 V, 2.2 Ah	OVA34421, OVA34463, OVA38844, OVA38845, OVA38934	<b>OVA51053E</b>
	6.0 V, 2.5 Ah	OVA34422, OVA38846, OVA38847, OVA38932	<b>OVA51054</b>
	6.0 V, 4.0 Ah	OVA34415, OVA34416, OVA34423, OVA34424, OVA34429, OVA34465, OVA38832, OVA38833, OVA38834, OVA38835, OVA38836, OVA38838, OVA38848, OVA38849, OVA38850, OVA38851, OVA38852, OVA38854, OVA38860, OVA38861, OVA38937	<b>OVA51055</b>
Batteries (Ni-Mh)  P118929	6.0 V, 4.0 Ah	OVA34417, OVA34418, OVA34425, OVA34426, OVA34430, OVA38837, OVA38839, OVA38853, OVA38855, OVA38862, OVA38863, OVA38987	<b>OVA51039E</b>
	7.2 V, 1.5 Ah	OVA34419, OVA34427, OVA34462, OVA34495, OVA38806, OVA38812, OVA38840, OVA38841, OVA38842, OVA38856, OVA38857, OVA38858, OVA38886, OVA38887, OVA38933, OVA38940, OVA38988	<b>OVA51021E</b>
	7.2 V, 1.6 Ah	OVA34420, OVA34428, OVA38843, OVA38859	<b>OVA51056</b>
	4.8 V, 2.0 Ah	OVA38890	<b>OVA51099</b>
	6.0 V, 2.0 Ah	OVA38891	<b>OVA51101</b>

**Mounting dimensions**

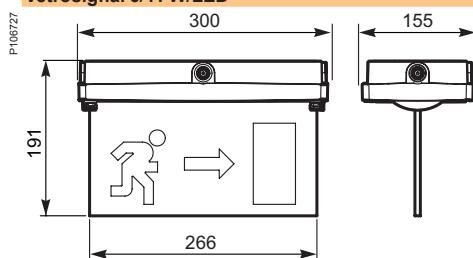
**6/11 W/LED**



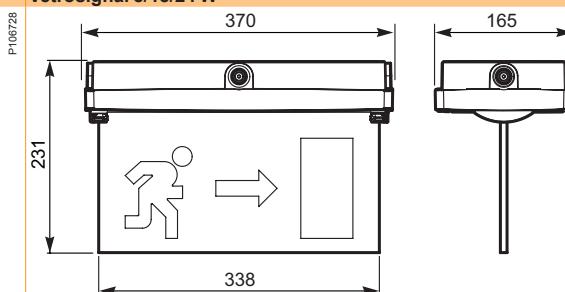
**8/18/24 W**



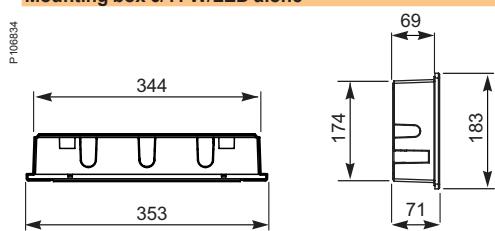
**Vetrosignal 6/11 W/LED**



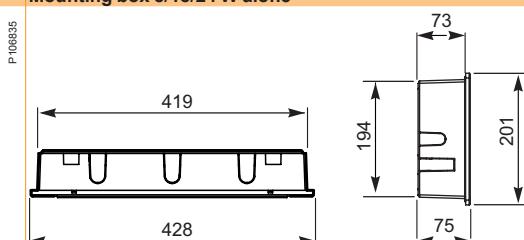
**Vetrosignal 8/18/24 W**



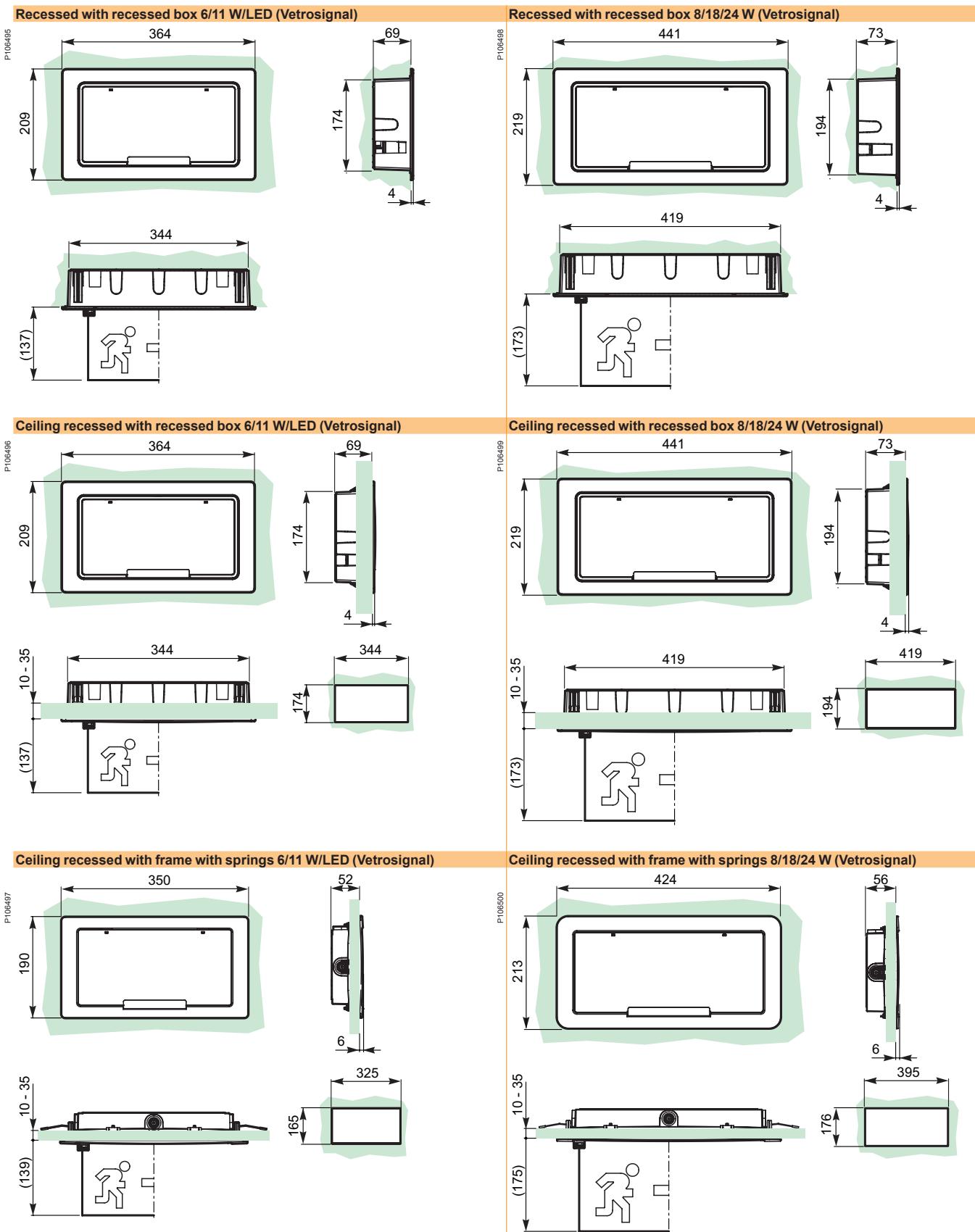
**Mounting box 6/11 W/LED alone**



**Mounting box 8/18/24 W alone**



**Dimensions in installation**





# > Exiway Class

- LED technology range
- Screwless connector
- Advanced aesthetic



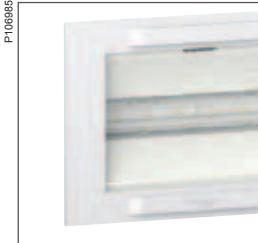
"Architectural solution

# High standing and high technology



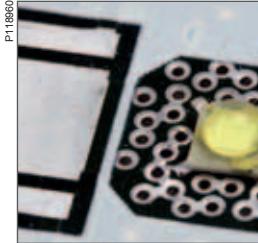
## New shape

Sophisticated, advanced design. Mineral glass cover to guarantee its aesthetic values over time.



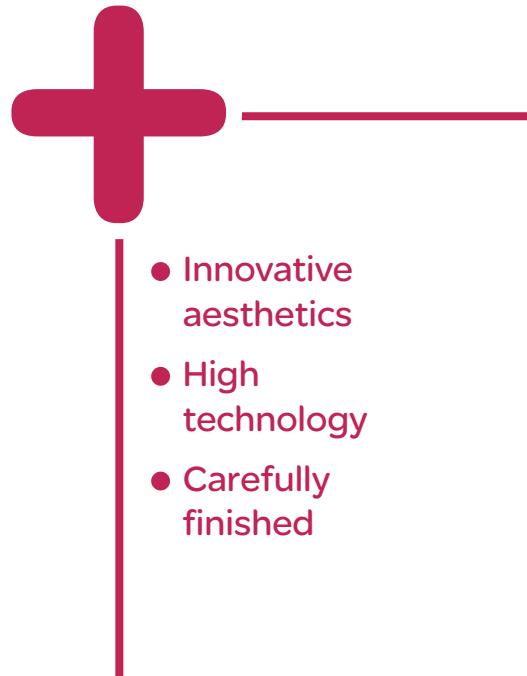
## High-end aesthetics

Elegant design for a perfect fit into any ambience... without ever looking like emergency lighting.



## LED technology

High performance and cost reduction (energy, maintenance) for a long time.



Versions	Activa	Dardo	It	Es	Be
 DB123400 P106754 DB122858 P106985					
<b>Technical specifications</b>					
Protection rating	IP42	IP42			
Self-diagnosis (Activa)	■	-			
Addressable (Dardo Plus)	-	■			
Autonomy 1 h	■	■			
2 h	■	■			
<b>Average flux in emergency condition</b>					
100 lm	■	■	■	-	-
260 lm	■	■	■	-	-
350 lm	■	■	■	-	-
425 lm	■	■	■	-	-
<b>Installation methods</b>					
Wall	■				
Flush	■				
<b>Page</b>	<b>51</b>	<b>51</b>			



CE

### Technical specifications

- Available for maintained and non-maintained operation: the maintained products can be used in non-maintained mode. The selection is made on the connector.
- Installation: quick wall mounting
- Compliant with IEC EN 60598-2-22 standard
- IMQ certification (Italy)
- ENEC certification (Belgium)
- Self-diagnosis versions (Activa): can be inhibited with rest mode via Teleur range of remote controls
- Addressable version (Dardo):
  - centralized control by Dardo Plus control unit
  - mode can be inhibited mode via Dardo Plus control unit
- Protection rating: IP42, IK07
- Insulation class: II
- Installation even on flammable surfaces
- Operating temperature: 0...40°C
- Fire behaviour (IEC 60695-2-10), incandescent wire: 850°C
- Case made from self-extinguishing polycarbonate 94V-2 (UL 94)
- Long-lasting LED light source  
(> 10 years expected in typical ambient temperature\* condition)
- Power supply: 230 V, 50 Hz
- Complete recharge: in 12 h for all models.

(\* Typical ambient temperature: 25°C

**Product catalogue numbers**

Exiway Class Activa	Protection rating	IP	IK	Autonomy (h)	Average flux (lm) in emergency condition	maintained mode	Lamp rated power (W)	Socket	Consumption N-M/M (VA)	(W)	Ni-Cd battery (V)	(Ah)	Control (1)	Glasses	Cat. no.	It	Es	Be
<b>LED</b>																		
<b>Non-maintained</b>																		
P106985	IP42	IK07	1	100	-	6*	LED	4.8	0.8	3.6	1.6	RC	Mineral	OVA38557	■			
				260	-	18*	LED	5.6	1.3	4.8	1.6	RC	Mineral	OVA38565	■			
				425	-	24*	LED	5.6	1.3	4.8	4.0	RC	Mineral	OVA38567	■			
				350	-	18*	LED	5.6	1.3	4.8	4.0	RC	Mineral	OVA38570	■			
<b>Maintained</b>																		
P106985	IP42	IK07	1	100	100	6*	LED	4.8/8.5	0.9/4.3	3.6	1.6	RC	Mineral	OVA38558	■			
				260	260	18*	LED	6.2/12.5	1.6/6.4	7.2	1.5	RC	Mineral	OVA38566	■			
				2	100	100	6*	LED	4.9/9.8	1.0/4.3	3.6	2.5	RC	Mineral	OVA38568	■		
				260	260	18*	LED	5.6/14	1.5/6.7	6.0	2.5	RC	Mineral	OVA38569	■			

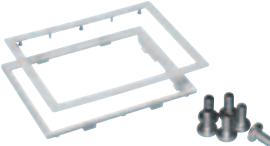
Note: The maintained products can be used in non-maintained mode. The selection is made on the connector.

Exiway Class Dardo	Protection rating	IP	IK	Autonomy (h)	Average flux (lm) in emergency condition	maintained mode	Lamp rated power (W)	Socket	Consumption N-M/M (VA)	(W)	Ni-Cd battery (V)	(Ah)	Control (1)	Glasses	Cat. no.	It	Es	Be
<b>LED</b>																		
<b>Non-maintained</b>																		
P106985	IP42	IK07	1	100	-	6*	LED	4.8	0.8	3.6	1.6	Cont.	Mineral	OVA34652	■			
				260	-	18*	LED	5.6	1.3	4.8	1.6	Cont.	Mineral	OVA34660	■			
				425	-	24*	LED	5.6	1.3	4.8	4.0	Cont.	Mineral	OVA34662	■			
				350	-	18*	LED	5.6	1.3	4.8	4.0	Cont.	Mineral	OVA34665	■			
<b>Maintained</b>																		
P106985	IP42	IK07	1	100	100	6*	LED	4.6/8.5	0.9/4.3	3.6	1.6	Cont.	Mineral	OVA34653	■			
				260	260	18*	LED	6.2/12.5	1.6/6.4	7.2	1.6	Cont.	Mineral	OVA34661	■			
				2	100	100	6*	LED	4.9/9.8	1.0/4.3	3.6	2.5	Cont.	Mineral	OVA34663	■		
				260	260	18*	LED	5.6/14	1.5/6.7	6.0	2.5	Cont.	Mineral	OVA34664	■			

Note: The maintained products can be used in Non-maintained mode. The selection is made on the connector.

1) RC: Remote control Teleur  
Cont: Dardo Plus control unit  
(\*): power equivalent to a fluorescent tube

**Accessories catalogue numbers**

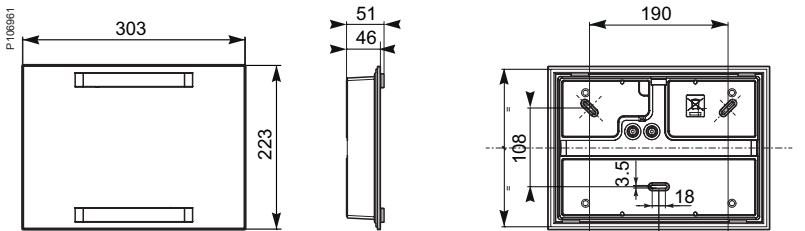
Type		Compatibility	Dimensions (mm) height x width x depth	Cat. no.
Flush mounting box	P106959 	All	-	OVA53085
Frame for complete recess (plastic frame, metallic frame, 6 screws)	P106960 	All	-	OVA53114
Pictogram cover glass (serigraphied glass)  Visibility: 24 m	P106964 	All	303 x 223	OVA53121
Right arrow	P106502 	All	303 x 223	OVA53122
Left arrow	P106501 	All	303 x 223	OVA53123
Down arrow	P106503 	All	303 x 223	OVA53123
Teleur remote control	P93007 	All models (for 100 luminaires)  All models (for 500 luminaires)	102 x 77 x 81 4.5 mod. of 18 mm  90 x 71 x 60 4 mod. of 18 mm	OVA50325E  OVA50326E

**Spare parts catalogue numbers**

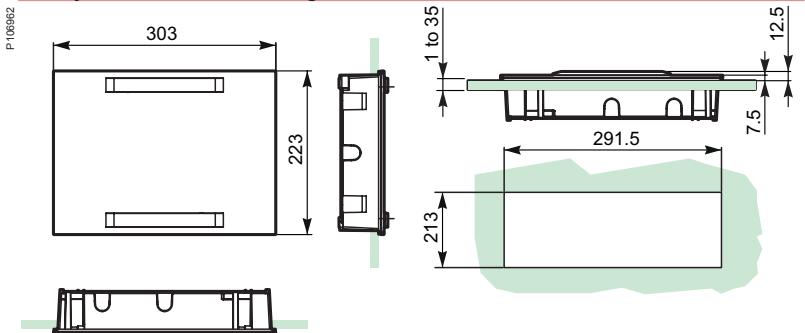
Type	Description	Compatibility	Cat. no.
Batteries (Ni-Cd)	3.6 V, 1.6 Ah	OVA34652, OVA34653, OVA38557, OVA38558	OVA51013E
	3.6 V, 2.5 Ah	OVA34663	OVA51094
	4.8 V, 1.6 Ah	OVA34660, OVA38565	OVA51016E
	4.8 V, 4.0 Ah	OVA34662, OVA34665, OVA38567, OVA38568, OVA38570	OVA58994
	6.0 V, 2.5 Ah	OVA34664, OVA38569	OVA51054
	7.2 V, 1.6 Ah	OVA34661, OVA38566	OVA51056
Cover glass	Transparent mineral glass	All	OVA51096

**Mounting dimensions**

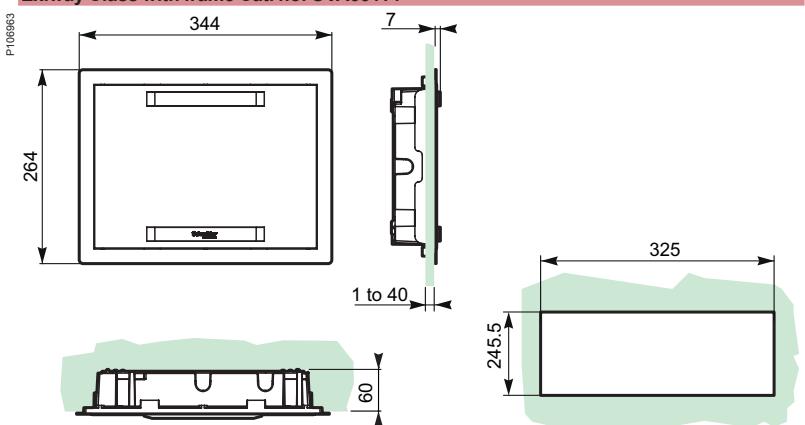
**Exiway Class**



**Exiway Class with flush mounting box Cat. no. OVA53085**



**Exiway Class with frame Cat. no. OVA53114**



# > Technical guide



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### Emergency lighting and other systems

When we refer to emergency lighting, we mean the auxiliary lighting that is triggered when the standard lighting fails.

**Emergency lighting is subdivided as follows (EN 1838):**

#### Safety lighting

It originates from the emergency lighting and is intended to provide lighting for people to evacuate an area safely or for those who try to finish a potentially dangerous operation before leaving the area. It is intended to illuminate the means of evacuation and ensure continuous visibility and ready usage in safety when standard or emergency lighting is needed.

Safety lighting may be further subdivided as follows:

#### Safety lighting for escape routes

It originates from the safety lighting, and is intended to ensure that the escape means are clearly identified and can be used safely when the area is busy.

#### Anti-panic lighting in extended areas

It originates from the safety lighting, and is intended to avoid panic and to provide the necessary lighting to allow people to reach a possible escape route area.

### Emergency lighting and safety signs for escape routes

The emergency lighting and safety signs for escape routes are very important for all those who design emergency systems. Their suitable choice helps improve safety levels and allows emergency situations to be handled better.

Standard EN 1838 ("Lighting applications. Emergency lighting") gives some fundamental concepts concerning what is meant by emergency lighting for escape routes:

"The intention behind lighting escape routes is to allow safe exit by the occupants, providing them with sufficient visibility and directions on the escape route ..."

The concept referred to above is very simple:

the safety signs and escape route lighting must be two separate things.

### Functions and operation of the luminaires

The manufacturing specifications are covered by standard EN 60598-2-22, "Particular Requirements - Luminaires for Emergency Lighting", which must be read with EN 60598-1, "Luminaires – Part 1: General Requirements and Tests".

#### Duration

A basic requirement is to determine the duration required for the emergency lighting. Generally it is 1 hour but some countries may have different duration requirements according to statutory technical standards.

#### Operation

We should clarify the various types of emergency luminaires:

- Non-maintained luminaires:
  - The lamp will only switch on if there is a fault in the standard lighting
  - The lamp will be powered by the battery during failure
  - The battery will be automatically recharged when the mains power supply is restored.
- Maintained luminaires:
  - The lamp can be switched on in continuous mode
  - A power supply unit is required with the mains, especially for powering the lamp, which can be disconnected when the area is not busy
  - The lamp will be powered by the battery during failure.

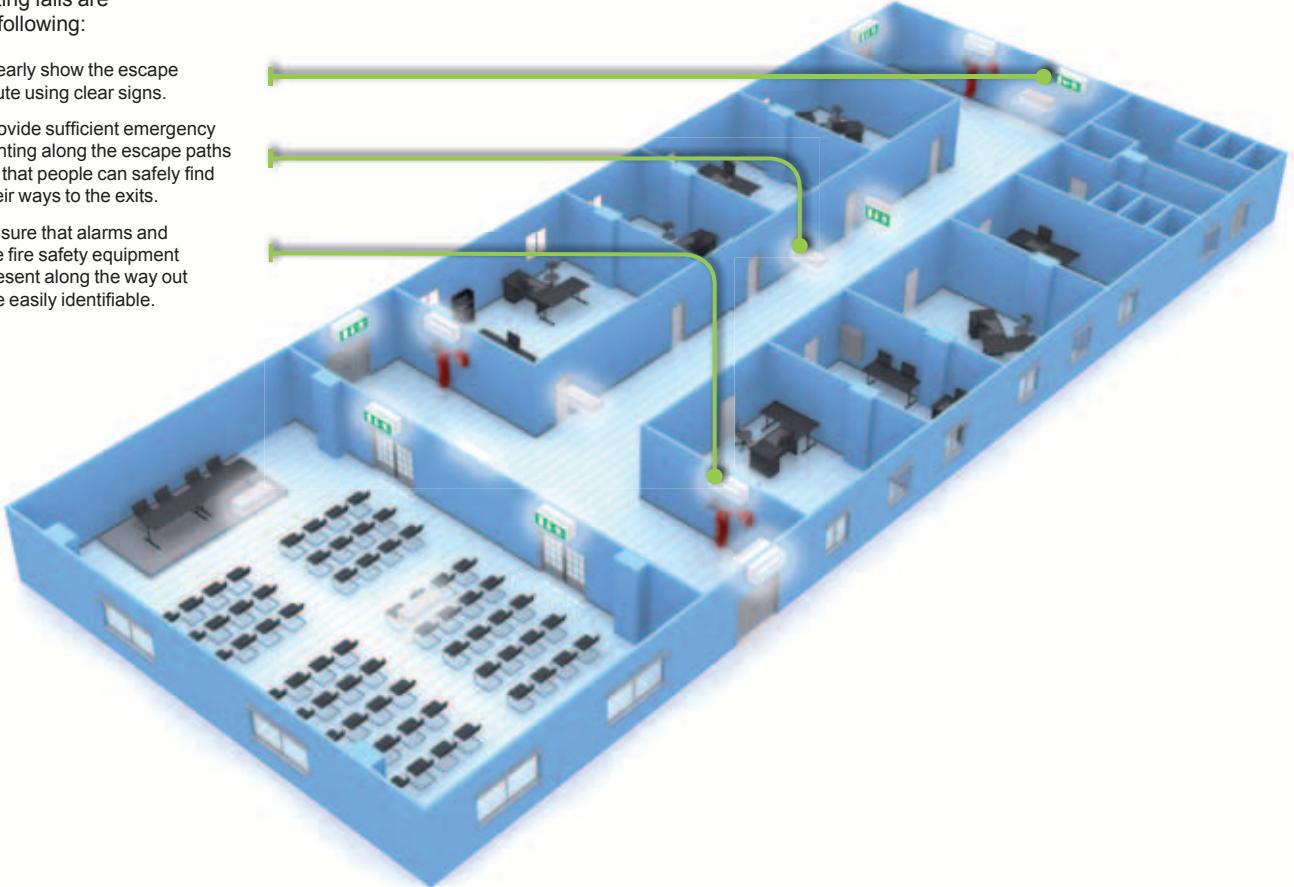
# Design

## Presentation, standards

The main functions of an emergency lighting system when standard lighting fails are the following:

- Clearly show the escape route using clear signs.
- Provide sufficient emergency lighting along the escape paths so that people can safely find their ways to the exits.
- Ensure that alarms and the fire safety equipment present along the way out are easily identifiable.

P122136



## European standards

The design of emergency lighting systems is regulated by a number of legislative provisions that are updated and implemented from time to time by new documentation published on request by the authorities that deal with European and international technical standards and regulations.

Each country has its own laws and regulations, in addition to technical standards which govern different sectors. Basically they describe the places that must be provided with emergency lighting as well as its technical specifications. The designer's job is to ensure that the design project complies with these standards.

### EN 1838

A very important document on a European level regarding emergency lighting is standard EN 1838, "Lighting applications. Emergency lighting". This standard describes specific requirements and constraints regarding the operation and the function of emergency lighting systems.

### CEN and CENELEC standards

With the CEN (Comité Européen de Normalisation) and CENELEC standards (Comité Européen de Normalisation Electrotechnique), we are in a standardized environment of particular interest to the technician and the designer. A number of sections deal with emergencies. An initial distinction should be made between luminaire standards and installation standards.

### EN 60598-2-22 and EN-60598-1

Emergency lighting luminaires are subject to European standard EN 60598-2-22, "Particular Requirements - Luminaires for Emergency Lighting", which is an integral text (specifications and analysis) of Standard EN-60598-1, "Luminaires – Part 1: General Requirements and Tests".

### The lighting design

Certain fundamental elements must be considered for the initial stage of the design job. One of the most important elements is the drawing of the area which is used to determine:

- The areas to be lit. It is also important to consider the position of the fire safety points on the drawing to plan the area properly.
- The exit paths to see if they are escape routes or open spaces.
- Areas outside the exit paths such as lifts, toilets and plant rooms.
- Outside areas, to determine the necessary lighting outside the exit.
- Luminaire operating mode, maintained or non-maintained.
- During operation, 1 hour or 3 hours according to the applicable standards.

In order to identify these areas, it is very important to apply certain principles based on safety logic, taking points from the EN 1838 standard.

In addition, the standard is fundamental to decide where and how to install the luminaires for the emergency lighting. The national laws should be used to decide on the lighting parameters for the various areas.

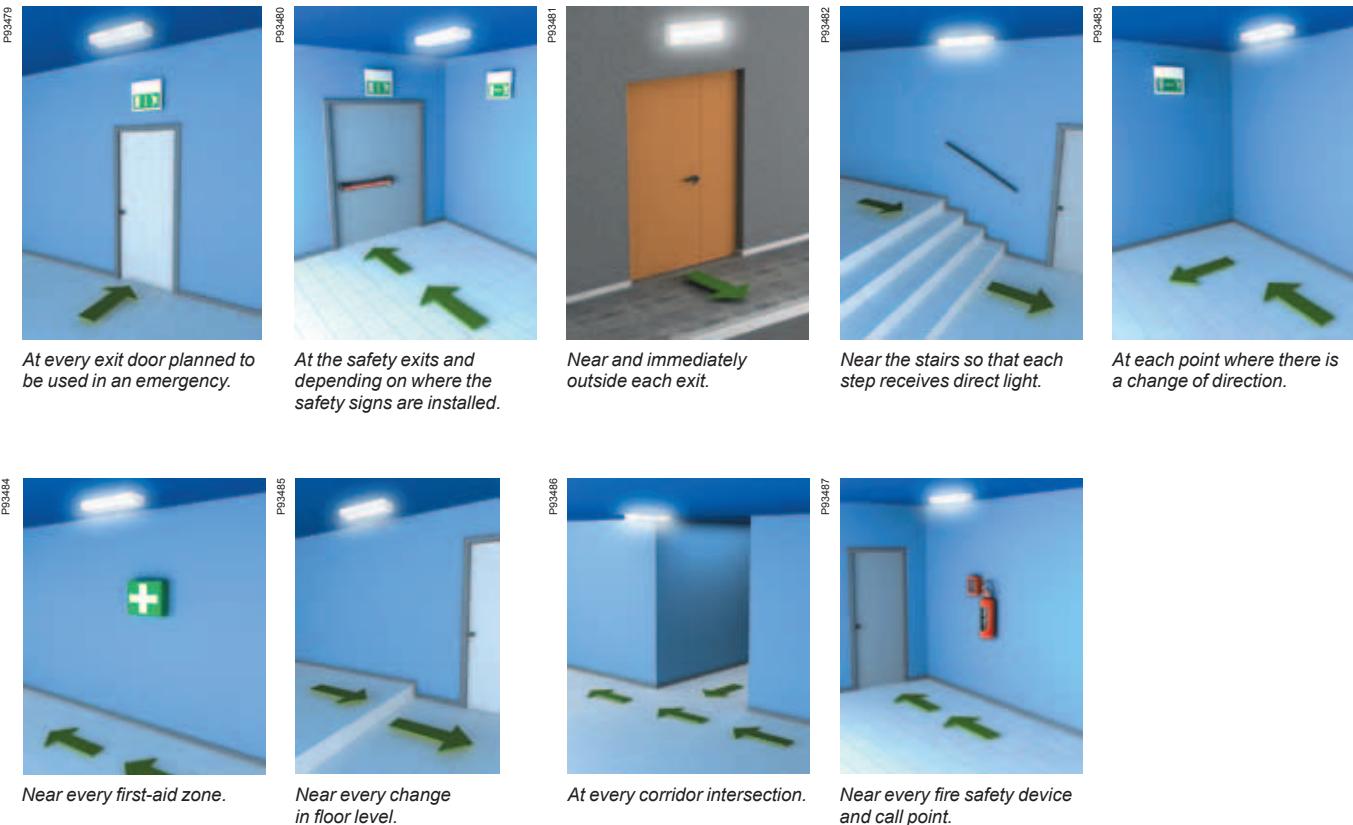
### Design stages

The following diagram can be used to simplify the various steps taken to perform design:

#### > Stage 1

##### Install the luminaires and the safety signs where necessary

- Standard 1838, section 4.1, requires that the luminaires be installed at least 2 metres from the floor in order for them to be seen if the area needs to be evacuated; the same paragraph explains where and how to install the emergency system luminaires.
- Installation of the luminaire signs and safety lighting according to EN 1838.



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## > Stage 2

### Safety signs for escape routes

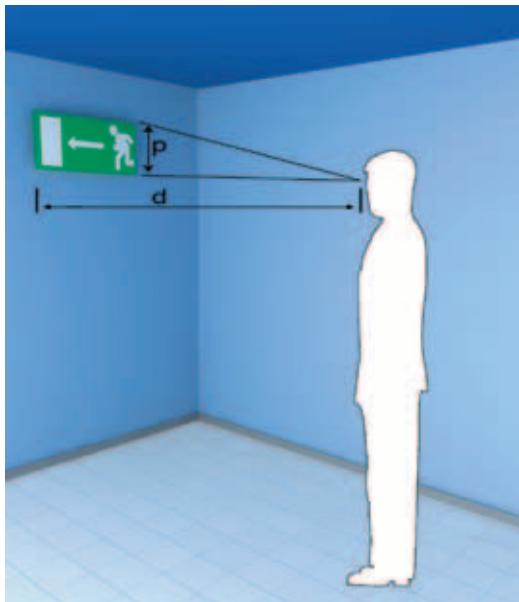
- It is very important for the best escape route to be very clearly marked, allowing fast and safe evacuation of the areas and the buildings.
- The effectiveness of the sign basically depends on the size, colour and location, and how well the sign can be seen.
- European standards have established that word formats, for example "EXIT", should now be considered obsolete, and have decided in favour of pictograms which show a design in white with a green background (the so-called "running man").

### Maximum viewing distance

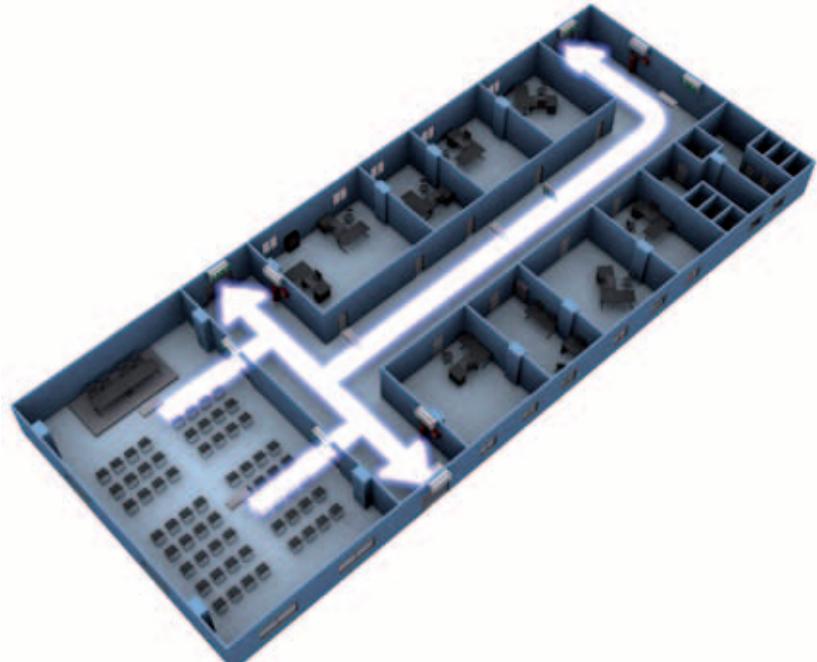
- It is important to ensure that the signs which mark the escape routes are visible from all sides. This depends on the size of the sign as well as its position.
- To this end, the regulations provide the following formula:  $d = s \times p$ , where:
  - "d" is the maximum viewing distance
  - "p" is the height of the pictogram
  - "s" = 100 for externally lighted signs  
= 200 for internally lighted signs.

*The most common format.*

P93166



P122135



*Typical example of measuring position.*

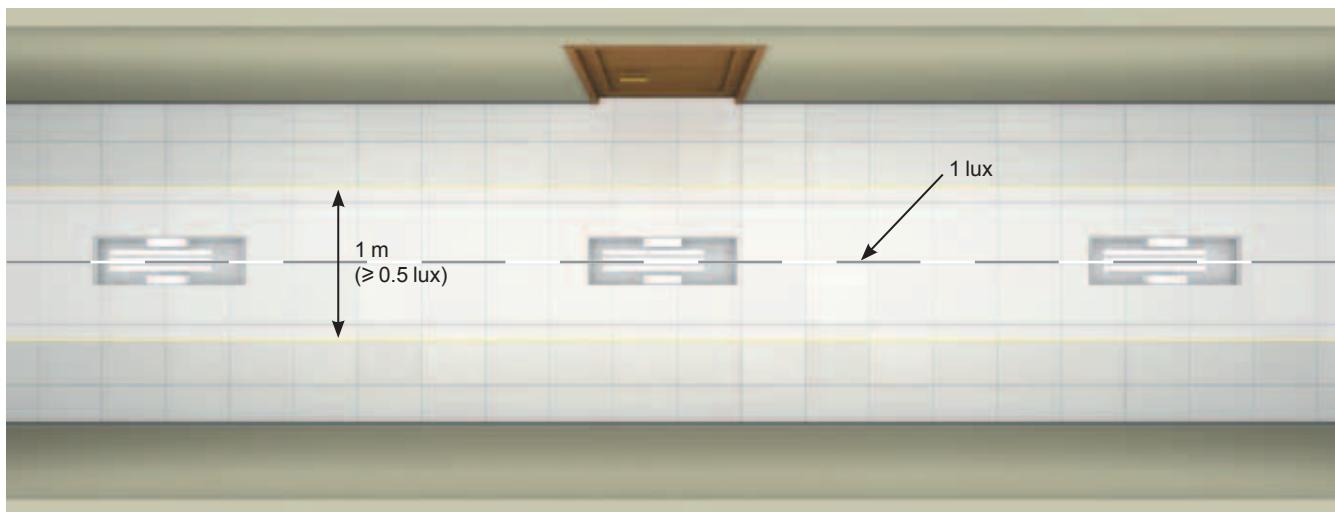
### > Stage 3

#### Safety lighting for escape routes

- Where the escape routes are up to 2 m wide (according to EN 1838), luminaires must be provided to ensure a minimum level of lighting of 1 lux on the floor along the centreline of the escape path.
- The lighting should not be less than 0.5 lux along the central section which should not be less than half the width of the escape path.

*Example of 2 m wide corridor.*

P93167



*In some countries there are country-specific divergences that replace the European standard regulations.*

- Two notes in EN 1838 comment on this topic.
- "Note 1: wider escape routes must be considered as groups of 2 m wide routes or else be provided with lighting for extended areas (anti-panic)."
- Note 2: countries that require different levels of lighting are listed in appendix B."
- Emergency luminaire response time should be 0.5 seconds. 50% of the minimum lighting required should be supplied within 5 seconds, while the lighting should be fully functional within 60 seconds.

### > Stage 4

#### Anti-panic area lighting

- For open areas or those crossed by escape routes, commonly known as Extended Areas or Anti-panic areas, a minimum value of 0.5 lux horizontal lighting on the floor must be guaranteed on the whole non-covered area, excluding a section of 0.5 m on the edge of the area.
- The other parameters are similar to those already referred to for lighting escape routes.

### > Stage 5

#### Place the luminaires in the important locations in the building

- The lifts, the plant rooms, the elevators, the generator rooms and covered parking areas need emergency light powered by batteries to allow people to work during a power failure.

P93168



*Light in anti-panic areas.*

# Design

## System types

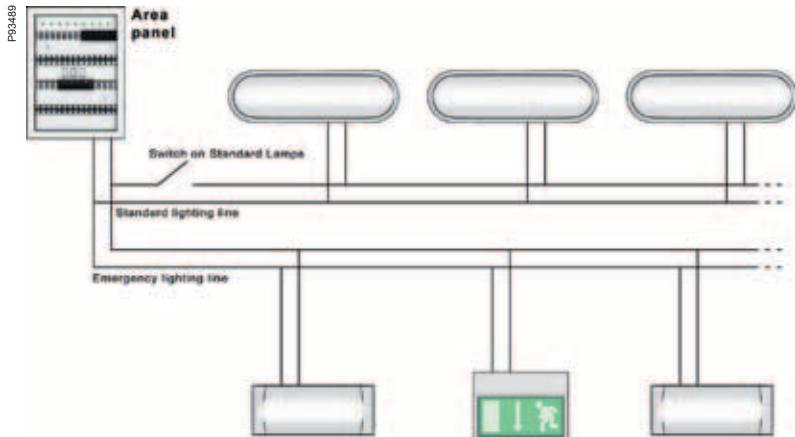
### Information concerning emergency lighting system types

#### Standard self-contained luminaire system

(for Standard and Activa products)

- This kind of system uses luminaires with built-in batteries, charging circuits and mains sensing, and guarantees an autonomous switching response in an emergency.
- Each area can therefore be equipped with one or more luminaires, which guarantee lighting in emergencies thanks to the power reserve contained in their batteries.
- The main advantages are ease of installation and connection, plus the fact that even if one luminaire breaks, all the others remain operative, so that the whole safety system is still functionally operative.
- Each device is a self-contained luminaire that switches in case of standard mains failure. There is no need for plant rooms or dedicated power lines. It can be installed anywhere, and maintenance is very limited.
- Given the way they work, emergency luminaires do not need dedicated lines, being powered by standard lines. The luminaires are kept charged by the standard lines, and during black-outs they draw the power they need to operate from the charged batteries.
- Conversion kits are included with the self-contained luminaires to power fluorescent tubes inside the luminaires for standard lighting during emergencies.

If necessary, you can set the system to implement a remote emergency inhibition. Depending on the model, you can use a Teleur remote control if the luminaire has a rest mode setting.



**Typical connection diagram**

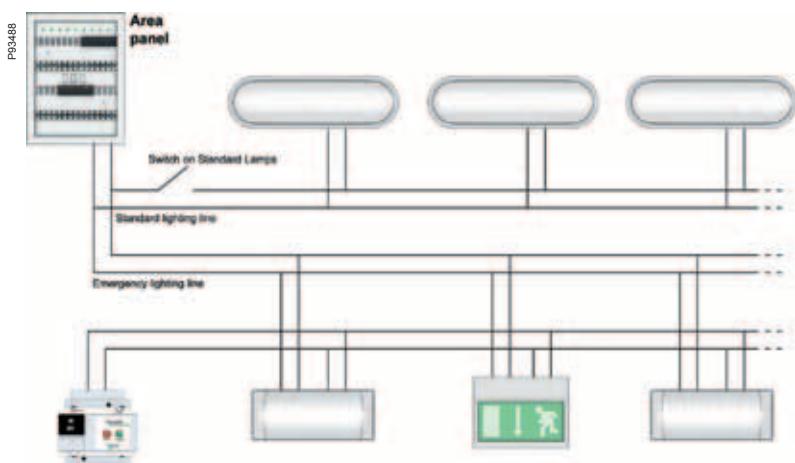
Connection should be made to an uninterrupted supply line taken from the electrical power supply local circuit.

#### Self-contained luminaire system

(for Standard and Activa products)

- You can carry out some operations when the mains power supply is on using the Teleur remote control, for example synchronising tests or performing immediate manual operation tests.

If the mains power supply is off, the Teleur can shut down the emergency luminaires.

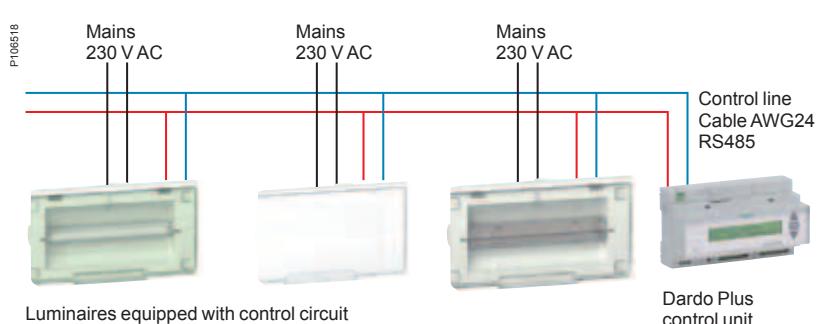


**Connection diagram with emergency inhibition.**

#### Dardo system architecture

(for Dardo products)

- Dardo is a control system for emergency luminaires; this system is able to control two types of luminaires:
  - Self-contained luminaires with internal battery (Dardo version).
  - Luminaires equipped with a Dardo version conversion kit.



# Spacing table of any product

## Emergency light fittings spacing table

**Spacing table of any product (right col):**

**same as the main product reference (left col) displayed in the following pages**

See spacing table number	See spacing table number
<b>OVA34300</b>	<b>OVA34462</b>
OVA34300.....	OVA34462.....
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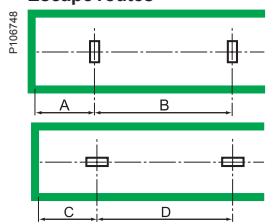
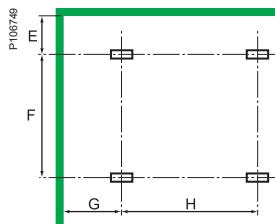
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# Spacing table

## Emergency light fittings spacing table

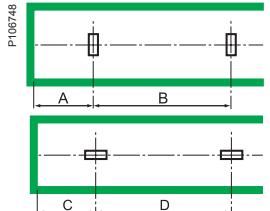
	Catalogue number	Installation height for ceiling mounting (m)	Lux level directly under luminaires (lux)	Escape routes				Area covered to obtain more than 1 Lux on the ground (m²)	Open (Anti-Panic) areas 0.5 Lux min. Luminaires arranged in a regular array				Area covered to obtain 0.5 Lux on the ground (m²)		
				1 Lux min. Along centreline					E F G H						
				A	B	C	D		(m)						
<b>Escape routes</b>	<b>OVA34300</b>	2.00	3.56	2.05	5.71	1.79	4.85	11.90	2.56	5.83	2.29	4.88	20.23		
	OVA34301	2.50	2.28	1.94	5.88	1.70	5.04	9.30	2.60	6.46	2.35	5.42	24.17		
	OVA38600	2.80	1.82	1.82	5.85	1.58	5.04	9.33	2.61	6.68	2.34	5.63	23.33		
	OVA38601	3.00	1.58	1.68	5.79	1.46	5.03	8.03	2.61	6.85	2.34	5.78	21.42		
	OVA38602	3.50	1.16	1.15	5.54	0.95	4.86	3.64	2.57	7.27	2.21	6.16	20.96		
	<b>OVA34302</b>	2.00	3.82	2.68	7.07	1.79	4.83	16.96	3.38	4.34	2.42	2.95	31.24		
	OVA34303	2.50	2.45	2.63	7.48	1.73	5.02	16.74	3.51	4.75	2.48	3.19	34.87		
	OVA38606	2.80	1.95	2.50	7.60	1.63	5.06	14.00	3.53	5.24	2.48	3.50	33.24		
	OVA38607	3.00	1.70	2.41	7.65	1.53	5.08	13.39	3.55	5.63	2.43	3.75	33.47		
	OVA38608	3.50	1.25	2.00	7.44	1.12	4.90	7.29	3.58	6.57	2.23	4.33	32.80		
<b>Open (Anti-Panic) areas</b>	<b>OVA34304</b>	2.00	6.35	2.65	7.03	2.34	5.88	19.93	2.97	6.32	2.68	5.08	31.83		
	OVA34305	2.50	4.06	2.66	7.41	2.41	6.32	19.99	3.05	7.54	2.81	6.24	37.66		
	OVA34306	2.80	3.24	2.63	7.53	2.41	6.47	18.66	3.07	7.76	2.86	6.53	39.65		
	OVA34307	3.00	2.82	2.63	7.54	2.39	6.55	21.42	3.10	8.07	2.86	6.82	40.17		
	OVA38612	3.50	2.07	2.52	7.51	2.25	6.70	16.40	3.18	8.57	2.89	7.36	41.00		
	OVA38613	4.00	1.59	2.29	7.43	1.99	6.68	14.28	3.21	9.05	2.87	7.88	38.08		
	OVA38614	4.50	1.25	1.84	7.29	1.53	6.51	6.02	3.23	9.43	2.77	8.38	37.66		
	OVA38615	5.00	1.02	0.46	7.00	0.42	6.19	0.00	3.03	9.61	2.78	8.63	31.61		
	OVA38616														
	OVA38617														
A and E: Transverse spacing to wall B and F: Transverse spacing between luminaires C and G: Axial spacing to wall D and H: Axial spacing between luminaires	<b>OVA34308</b>	2.00	6.07	3.33	8.48	2.22	5.74	25.59	4.03	4.95	2.85	3.51	44.03		
	OVA34309	2.50	3.88	3.47	9.21	2.29	6.12	27.43	4.23	5.55	2.96	3.82	52.53		
	OVA34310	2.80	3.10	3.46	9.51	2.27	6.27	25.66	4.28	5.87	2.98	3.97	51.90		
	OVA34311	3.00	2.70	3.39	9.65	2.24	6.35	28.79	4.28	6.02	3.00	4.07	56.23		
	OVA38624	3.50	1.98	3.18	9.81	2.08	6.44	21.87	4.32	6.82	3.00	4.52	54.67		
	OVA38625	4.00	1.52	2.93	9.66	1.80	6.39	23.80	4.35	8.31	2.87	5.44	52.36		
	OVA38626	4.50	1.20	2.52	9.36	1.29	6.19	12.05	4.54	8.53	2.57	5.54	52.72		
	OVA38627														
	OVA38628														
	OVA38629														
<b>OVA34312</b>	OVA38630	2.00	9.27	3.05	7.68	2.70	6.60	26.78	3.32	5.89	2.99	5.15	41.36		
	OVA38635	2.50	5.93	3.23	8.32	2.88	7.14	29.75	3.52	7.43	3.19	6.50	47.88		
	OVA38636	2.80	4.73	3.31	8.62	2.90	7.44	29.16	3.65	7.36	3.26	6.40	52.48		
	OVA38637	3.00	4.12	3.30	8.81	2.92	7.61	30.79	3.68	8.29	3.31	7.24	54.89		
	OVA38735	3.50	3.03	3.26	9.08	2.89	7.92	29.16	3.77	9.74	3.39	8.49	58.31		
	OVA38736	4.00	2.32	3.15	9.28	2.80	8.04	23.80	3.82	10.16	3.45	8.91	59.50		
	OVA38737	4.50	1.83	2.89	9.28	2.60	8.10	24.10	3.82	10.47	3.48	9.21	60.25		
	5.00	1.48	2.52	9.20	2.25	8.03	22.31	3.77	10.84	3.42	9.55	59.50			
	6.00	1.03	0.74	8.60	0.76	7.50	0.00	3.34	11.35	3.44	9.94	53.55			
	<b>OVA34313</b>	2.00	10.81	3.23	8.07	2.86	6.93	29.16	3.44	6.28	3.10	5.54	44.93		
<b>OVA34314</b>	OVA34364	2.50	6.92	3.44	8.75	3.03	7.52	31.61	3.72	6.89	3.33	6.00	52.07		
	OVA34365	2.80	5.52	3.52	9.05	3.11	7.85	34.99	3.83	7.48	3.44	6.55	57.73		
	OVA38638	3.00	4.80	3.54	9.28	3.13	8.00	34.81	3.86	8.63	3.47	7.60	60.92		
	OVA38639	3.50	3.53	3.56	9.68	3.15	8.38	33.71	3.98	10.17	3.58	8.84	61.96		
	OVA38640	4.00	2.70	3.48	9.92	3.10	8.62	35.70	4.06	10.65	3.67	9.31	70.21		
	4.50	2.14	3.33	10.04	2.98	8.73	30.12	4.10	11.07	3.72	9.72	69.29			
	5.00	1.73	3.03	10.00	2.71	8.73	22.31	4.10	11.42	3.72	9.97	66.94			
	6.00	1.20	2.01	9.67	1.83	8.44	10.71	3.90	12.06	3.61	10.57	58.91			
	<b>OVA34314</b>	2.00	8.28	3.43	8.63	2.34	6.04	31.24	4.00	5.08	2.89	3.58	49.09		
	OVA38641	2.50	5.30	3.64	9.46	2.46	6.49	34.87	4.36	5.62	3.10	3.90	57.64		
<b>OVA34315</b>	OVA38642	2.80	4.22	3.72	9.80	2.48	6.68	35.57	4.49	5.94	3.16	4.09	61.23		
	OVA38643	3.00	3.68	3.74	9.99	2.50	6.81	34.81	4.57	6.15	3.22	4.18	64.26		
	3.50	2.70	3.79	10.43	2.47	7.00	38.27	4.76	6.80	3.29	4.58	69.25			
	4.00	2.07	3.70	10.67	2.38	7.08	28.56	4.88	7.44	3.32	4.98	69.02			
	4.50	1.63	3.45	10.82	2.17	7.13	30.12	4.92	8.10	3.28	5.38	66.27			
<b>OVA34316</b>	5.00	1.32	2.95	10.77	1.77	7.00	14.88	4.90	8.90	3.14	5.91	74.38			

	Catalogue number	Installation height for ceiling mounting (m)	Lux level directly under luminaires (lux)	Escape routes				Area covered to obtain more than 1 Lux on the ground (m²)	Open (Anti-Panic) areas 0.5 Lux min. Luminaires arranged in a regular array				Area covered to obtain 0.5 Lux on the ground (m²)
				A (m)	B (m)	C (m)	D (m)		E (m)	F (m)	G (m)	H (m)	
<b>Escape routes</b> 	<b>OVA34315</b>	2.00	9.46	3.57	8.93	2.45	6.34	35.11	4.16	5.21	3.01	3.70	53.26
	OVA38644	2.50	6.05	3.81	9.87	2.59	6.82	37.66	4.47	5.82	3.20	4.10	62.76
	OVA38645	2.80	4.83	3.93	10.26	2.63	7.04	39.65	4.69	6.14	3.31	4.25	68.81
	OVA38646	3.00	4.20	3.98	10.50	2.65	7.15	40.17	4.78	6.36	3.35	4.39	70.29
		3.50	3.09	4.03	10.94	2.66	7.38	40.09	5.00	6.80	3.47	4.63	74.71
		4.00	2.36	4.00	11.27	2.60	7.53	34.51	5.12	7.58	3.50	5.10	77.36
		4.50	1.87	3.88	11.47	2.47	7.59	31.63	5.19	8.45	3.48	5.64	78.32
		5.00	1.51	3.53	11.50	2.17	7.57	24.17	5.23	8.95	3.41	5.98	81.82
		6.00	1.05	0.92	11.24	0.87	7.21	0.00	4.04	13.21	3.83	8.71	64.26
<b>Open (Anti-Panic) areas</b> 	<b>OVA34316</b>	2.00	15.16	3.54	8.78	3.05	7.68	36.00	3.71	8.88	3.27	7.45	55.93
	OVA34318	2.50	9.70	3.81	9.61	3.32	8.40	42.77	4.01	9.84	3.55	8.37	66.01
	OVA38647	2.80	7.74	3.96	10.00	3.43	8.75	42.57	4.17	10.42	3.67	8.92	71.73
	OVA38648	3.00	6.74	4.05	10.24	3.51	8.94	45.52	4.24	10.74	3.74	9.23	74.98
	OVA38649	3.50	4.95	4.17	10.78	3.59	9.42	47.38	4.43	11.46	3.89	9.83	83.83
	OVA38653	4.00	3.79	4.22	11.16	3.63	9.79	47.60	4.56	12.05	4.00	10.30	85.69
	OVA38654	4.50	3.00	4.16	11.52	3.61	10.04	48.20	4.66	12.53	4.11	10.77	96.40
	OVA38655	5.00	2.43	4.05	11.71	3.50	10.22	44.63	4.74	13.03	4.16	11.24	96.69
	OVA38656	6.00	1.68	3.57	11.74	3.09	10.29	32.13	4.73	13.76	4.16	11.83	93.72
	OVA38657	7.00	1.24	2.62	11.44	2.24	10.03	14.58	4.62	14.50	4.02	12.39	91.12
<b>A and E: Transverse spacing to wall B and F: Transverse spacing between luminaires C and G: Axial spacing to wall D and H: Axial spacing between luminaires</b>	<b>OVA34317</b>	2.00	11.86	3.76	9.43	2.75	6.83	38.98	4.30	5.57	3.28	4.19	59.50
	OVA34319	2.50	7.59	4.04	10.31	2.90	7.38	43.70	4.66	6.11	3.49	4.60	71.59
	OVA38650	2.80	6.05	4.15	10.76	2.95	7.67	45.49	4.84	6.57	3.58	4.90	76.97
	OVA38651	3.00	5.27	4.21	11.00	3.00	7.82	46.86	4.95	6.66	3.68	4.94	78.99
	OVA38652	3.50	3.87	4.28	11.59	3.04	8.16	47.38	5.20	7.37	3.84	5.39	87.47
	OVA38656	4.00	2.97	4.33	12.03	3.07	8.39	52.36	5.34	8.34	3.93	6.01	92.83
	OVA38657	4.50	2.34	4.27	12.28	2.98	8.58	43.68	5.49	8.71	3.98	6.16	100.92
	OVA38658	5.00	1.90	4.16	12.47	2.80	8.62	39.05	5.58	9.33	3.92	6.60	92.98
	OVA38659	6.00	1.32	3.39	12.43	2.12	8.56	21.42	5.63	10.37	3.71	7.30	96.40
	OVA34320	2.00	16.68	3.65	9.04	3.17	7.94	39.57	3.81	9.04	3.38	7.56	58.02
<b>A and E: Transverse spacing to wall B and F: Transverse spacing between luminaires C and G: Axial spacing to wall D and H: Axial spacing between luminaires</b>	OVA34321	2.50	10.68	3.92	9.87	3.41	8.66	44.16	4.13	10.07	3.65	8.64	67.87
	OVA38658	2.80	8.51	4.07	10.31	3.55	9.01	48.98	4.27	10.65	3.79	9.10	78.72
	OVA38659	3.00	7.41	4.17	10.55	3.64	9.24	46.19	4.34	11.01	3.85	9.44	78.99
	OVA38660	3.50	5.45	4.36	11.15	3.75	9.72	51.02	4.58	11.69	4.02	10.00	90.20
	OVA38661	4.00	4.17	4.40	11.59	3.80	10.10	54.74	4.75	12.35	4.16	10.64	99.97
	OVA38662	4.50	3.29	4.38	11.94	3.81	10.45	49.70	4.81	12.94	4.24	11.21	102.42
	OVA38663	5.00	2.67	4.31	12.24	3.73	10.68	53.93	4.89	13.49	4.30	11.62	102.27
	OVA38664	6.00	1.85	3.93	12.37	3.39	10.85	42.84	4.96	14.29	4.35	12.38	107.11
	OVA38665	7.00	1.36	3.15	12.12	2.72	10.69	29.16	4.87	15.00	4.27	12.81	112.98
	OVA38666	8.00	1.04	1.34	11.52	1.09	10.10	0.00	4.73	15.65	3.94	13.39	95.21
<b>OVA34322</b>	OVA34322	2.00	17.79	4.24	10.56	3.17	7.77	49.98	4.73	6.25	3.66	4.73	75.27
	OVA34323	2.50	11.39	4.65	11.64	3.38	8.45	59.97	5.21	6.87	3.92	5.20	91.12
	OVA38664	2.80	9.08	4.80	12.15	3.49	8.79	62.40	5.41	7.20	4.07	5.46	100.30
	OVA38665	3.00	7.91	4.94	12.58	3.54	8.98	64.93	5.56	7.43	4.12	5.60	103.76
	OVA38666	3.50	5.81	5.09	13.24	3.62	9.46	71.07	5.86	7.95	4.32	5.96	118.45
	OVA38667	4.00	4.45	5.21	13.93	3.70	9.84	72.60	6.15	8.48	4.51	6.24	127.34
	OVA38668	4.50	3.51	5.27	14.41	3.74	10.13	66.27	6.31	9.61	4.63	6.95	132.55
	OVA38669	5.00	2.85	5.27	14.76	3.73	10.31	78.10	6.44	10.54	4.71	7.56	141.32
	OVA38670	6.00	1.98	5.12	15.23	3.50	10.62	64.26	6.67	11.42	4.72	8.09	139.24
	OVA38671	7.00	1.45	4.55	15.28	2.94	10.55	36.45	6.81	12.15	4.57	8.55	160.36
<b>OVA34324</b>	OVA34324	2.00	19.66	3.57	8.63	3.46	8.48	36.60	3.51	8.52	3.42	8.31	56.83
	OVA34326	2.50	12.58	3.89	9.46	3.78	9.21	41.84	3.80	9.58	3.71	9.25	68.80
	OVA38670	2.80	10.03	4.04	9.90	3.93	9.70	47.82	3.98	10.05	3.88	9.60	72.31
	OVA38671	3.00	8.74	4.13	10.14	4.02	9.94	50.88	4.08	10.35	3.98	10.02	79.66
	OVA38674	3.50	6.42	4.25	10.73	4.13	10.58	51.94	4.29	11.13	4.19	10.68	84.74
	OVA38675	4.00	4.92	4.33	11.22	4.22	11.01	61.88	4.44	11.88	4.34	11.43	96.40
	OVA38676	4.50	3.88	4.38	11.68	4.23	11.37	48.20	4.61	12.41	4.47	12.07	103.93
	OVA38677	5.00	3.15	4.35	11.92	4.23	11.61	59.50	4.66	13.02	4.55	12.55	102.27
	OVA38678	6.00	2.18	4.12	12.16	3.97	11.95	42.84	4.82	13.91	4.66	13.44	117.82
	OVA38679	7.00	1.60	3.64	12.17	3.49	11.96	43.74	4.82	14.86	4.64	14.37	116.63
<b>OVA34325</b>	OVA34325	2.00	12.99	3.97	9.78	2.83	7.00	41.36	4.43	5.81	3.30	4.24	63.07
	OVA34327	2.50	8.31	4.24	10.66	3.01	7.59	47.42	4.78	6.56	3.53	4.80	76.24
	OVA38672	2.80	6.63	4.35	11.17	3.08	7.89	47.82	4.94	7.44	3.64	5.40	81.06
	OVA38673	3.00	5.77	4.45	11.47	3.11	8.04	50.88	5.08	7.66	3.70	5.54	84.35
	OVA38676	3.50	4.24	4.56	12.00	3.21	8.38	53.76	5.31	8.62	3.88	6.09	97.49
	OVA38677	4.00	3.25	4.60	12.44	3.24	8.65	52.36	5.49	9.34	4.01	6.56	96.40
	OVA38678	4.50	2.57	4.58	12.85	3.21	8.84	54.22	5.62	10.16	4.09	7.16	102.42
	OVA38679	5.00	2.08	4.46	13.03	3.09	8.97	44.63	5.71	11.03	4.11	7.71	104.13
<b>OVA34324</b>	OVA34324	6.00	1.44	3.86	13.10	2.55	9.04	26.78	5.78	12.19	3.98	8.41	117.82
	OVA34324	7.00	1.06	2.01	12.77	1.14	8.71	14.58	5.79	12.96	3.51	9.01	87.47

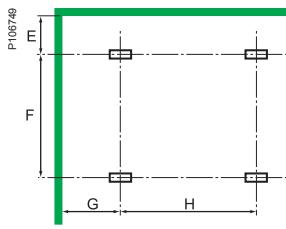
# Spacing table

## Emergency light fittings spacing table

## Escape routes



## Open (Anti-Panic) areas



A and E: Transverse spacing to wall

B and F: Transverse spacing between luminaires

C and G: Axial spacing to wall

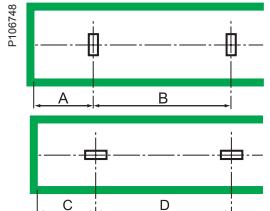
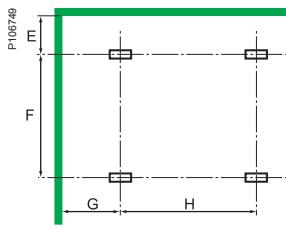
D and H: Axial spacing between luminaires

Catalogue number	Installation height for ceiling mounting	Lux level directly under luminaires	Escape routes				Area covered to obtain more than 1 Lux on the ground	Open (Anti-Panic) areas 0.5 Lux min. Luminaires arranged in a regular array				Area covered to obtain 0.5 Lux on the ground
			A	B	C	D		E	F	G	H	
<b>OVA34328</b>	(m)	(lux)	(m)	(m <sup>2</sup> )	(m)	(m <sup>2</sup> )	(m <sup>2</sup> )	(m)	(m)	(m)	(m <sup>2</sup> )	
OVA34329	2.00	23.23	3.76	9.04	3.65	8.88	42.25	3.65	8.94	3.55	8.72	62.18
OVA38679	2.50	14.87	4.08	9.98	4.00	9.71	52.07	3.97	9.96	3.90	9.74	75.77
OVA38680	2.80	11.85	4.27	10.42	4.15	10.21	51.90	4.16	10.54	4.06	10.19	85.14
OVA38681	3.00	10.33	4.37	10.71	4.24	10.45	55.56	4.26	10.86	4.16	10.51	85.02
OVA38682	3.50	7.59	4.56	11.37	4.44	11.10	60.14	4.51	11.70	4.41	11.34	102.05
OVA38683	4.00	5.81	4.68	11.86	4.52	11.64	61.88	4.69	12.48	4.54	11.99	104.73
OVA38684	4.50	4.59	4.74	12.33	4.58	12.11	67.78	4.83	13.13	4.69	12.64	117.48
OVA38685	5.00	3.72	4.74	12.74	4.62	12.41	59.50	4.96	13.67	4.85	13.30	122.73
OVA38686	6.00	2.58	4.65	13.15	4.48	12.81	64.26	5.13	14.69	4.97	14.19	139.24
OVA38687	7.00	1.90	4.29	13.29	4.16	13.00	58.31	5.22	15.60	5.09	15.08	116.63
OVA38688	8.00	1.45	3.65	13.19	3.48	12.84	57.12	5.15	16.51	4.93	15.84	147.57
OVA38689	9.00	1.15	2.45	12.66	2.29	12.31	24.10	5.03	17.04	4.72	16.36	114.47
<b>OVA34330</b>	2.00	35.42	5.21	12.88	3.88	9.31	77.65	5.59	7.73	4.29	5.55	110.38
OVA34331	2.50	22.67	5.82	14.22	4.24	10.31	91.12	6.20	8.58	4.66	6.17	135.28
OVA38685	2.80	18.07	6.07	15.08	4.44	10.82	97.97	6.47	8.88	4.86	6.58	152.20
OVA38686	3.00	15.74	6.29	15.53	4.53	11.11	107.78	6.68	9.23	4.95	6.80	157.31
OVA38687	3.50	11.57	6.65	16.49	4.73	11.83	114.81	7.14	9.88	5.22	7.24	181.32
OVA38688	4.00	8.85	6.93	17.45	4.90	12.38	127.34	7.51	10.42	5.45	7.67	199.93
OVA38689	4.50	7.00	7.13	18.35	5.04	12.91	132.55	7.79	11.54	5.65	8.50	212.37
OVA38690	5.00	5.67	7.34	18.91	5.18	13.27	141.32	8.11	12.19	5.86	8.79	232.44
OVA38691	6.00	3.94	7.54	20.07	5.31	13.93	139.24	8.51	14.80	6.13	10.57	259.74
OVA38692	7.00	2.89	7.57	20.95	5.32	14.37	160.36	8.83	16.26	6.36	11.46	276.99
OVA38693	8.00	2.21	7.46	21.53	5.20	14.79	114.25	9.06	17.82	6.46	12.49	309.42
OVA38694	9.00	1.75	7.03	21.64	4.84	14.91	120.50	9.18	18.79	6.47	13.18	265.09
OVA38695	10.00	1.42	6.31	21.64	4.14	14.87	59.50	9.23	19.93	6.23	13.96	327.27
OVA38696	11.00	1.17	4.90	21.34	3.00	14.63	36.00	9.17	21.56	5.81	15.03	243.00
OVA38697	11.50	1.07	3.52	21.08	2.03	14.44	39.35	9.24	21.39	5.54	14.94	236.08
<b>OVA34335</b>	2.00	19.84	4.95	12.05	3.23	7.81	63.97	5.81	6.86	3.97	4.73	91.93
OVA38704	2.50	12.69	5.55	13.47	3.54	8.58	78.10	6.45	7.81	4.29	5.26	112.96
OVA38698	2.80	10.12	5.87	14.31	3.65	8.96	86.89	6.86	8.37	4.45	5.52	126.54
OVA38699	3.00	8.82	6.15	14.76	3.67	9.24	90.37	7.21	8.59	4.51	5.66	136.56
OVA38700	3.50	6.48	6.72	16.02	3.79	9.77	98.41	7.95	9.36	4.70	6.02	153.99
OVA38701	3.80	5.49	7.00	16.68	3.83	10.00	108.48	8.35	9.77	4.80	6.29	166.48
OVA38702	4.00	4.96	7.22	17.16	3.86	10.15	113.06	8.61	9.90	4.84	6.36	174.94
OVA38703	4.20	4.50	7.42	17.72	3.92	10.24	107.59	8.84	10.14	4.90	6.49	178.44
OVA38704	4.50	3.92	7.64	18.36	3.91	10.40	106.94	9.19	10.47	4.95	6.70	188.27
OVA38705	5.00	3.17	7.92	19.53	3.91	10.63	119.01	9.49	11.10	4.93	6.97	200.83
OVA38706	5.50	2.62	8.08	20.59	3.82	10.81	114.75	9.66	11.66	4.83	7.13	227.25
OVA38707	6.00	2.20	7.68	21.43	3.64	10.90	91.04	9.70	12.30	4.86	7.24	214.21
OVA38708	7.00	1.62	7.38	22.74	3.19	10.84	80.18	9.76	13.45	4.51	7.47	233.26
OVA38709	8.00	1.24	5.00	22.14	2.41	10.44	47.60	8.86	14.43	4.53	7.63	218.98
<b>OVA34336</b>	2.00	4.74	3.46	8.44	1.88	4.85	20.05	4.49	4.66	2.67	2.98	53.76
OVA34337	2.50	3.03	3.92	9.62	1.87	5.16	15.04	4.93	5.36	2.61	3.22	56.92
OVA34338	2.80	2.42	4.07	10.22	1.78	5.25	14.28	5.13	5.68	2.53	3.36	52.36
OVA34339	3.00	2.11	4.13	10.56	1.71	5.29	26.78	5.25	5.95	2.47	3.44	41.36
OVA38705	3.50	1.55	3.82	11.15	1.50	5.18	27.43	5.28	6.45	2.38	3.59	48.81
OVA38706	3.80	1.31	2.40	11.16	1.23	5.03	26.82	4.03	9.15	2.32	4.93	53.07
OVA38707	4.00	1.18	1.05	11.28	1.02	4.90	24.10	3.40	9.69	3.30	5.16	54.89
<b>OVA34340</b>	2.00	11.87	4.44	10.22	2.65	6.56	68.34	5.28	5.73	3.36	3.96	112.98
OVA34341	2.50	7.60	5.07	11.57	2.83	7.11	73.04	5.97	6.60	3.55	4.36	125.66
OVA34342	2.80	6.06	5.38	12.36	2.90	7.40	76.17	6.38	7.02	3.67	4.61	130.91
OVA34343	3.00	5.28	5.64	12.94	2.92	7.54	48.79	6.63	7.33	3.67	4.70	68.13
OVA38711	3.50	3.88	6.12	14.19	2.91	7.88	57.64	7.20	8.15	3.69	4.99	81.82
OVA38712	3.80	3.29	6.32	14.92	2.92	8.01	64.15	7.50	8.53	3.73	5.13	96.80
OVA38713	4.00	2.97	6.46	15.37	2.88	8.07	68.28	7.67	8.88	3.69	5.21	104.43
OVA38714	4.20	2.69	6.59	15.80	2.86	8.11	77.41	7.82	9.11	3.68	5.28	135.14
OVA38715	4.50	2.34	6.73	16.40	2.78	8.18	69.29	8.08	9.54	3.63	5.41	138.57
OVA38716	5.00	1.90	6.40	17.32	2.60	8.17	61.36	8.36	10.14	3.70	5.55	139.46
OVA38717	5.50	1.57	6.11	18.04	2.33	8.10	54.00	8.64	10.68	3.61	5.70	153.00
OVA38718	6.00	1.32	6.21	18.57	1.95	7.94	40.17	9.07	11.28	3.19	5.74	155.31
<b>OVA34344</b>	2.00	17.95	4.95	11.79	3.30	7.98	87.69	5.62	6.86	3.91	4.79	137.23
OVA34345	2.50	11.49	5.55	13.38	3.54	8.71	62.78	6.29	7.69	4.19	5.32	93.42
OVA34346	2.80	9.16	5.94	14.04	3.65	9.10	76.70	6.80	8.25	4.37	5.58	112.04
OVA38715	3.00	7.98	6.15	14.49	3.70	9.33	87.47	7.11	8.47	4.48	5.79	124.21
OVA38716	3.50	5.86	6.72	15.54	3.79	9.86	100.23	7.95	9.24	4.70	6.15	150.34
OVA38717	3.80	4.97	7.00	16.30	3.83	10.09	109.55	8.35	9.65	4.80	6.35	167.55
OVA38718	4.00	4.49	7.22	16.77	3.86	10.19	105.92	8.61	9.90	4.84	6.49	174.94
OVA38719	4.20	4.07	7.35	17.22	3.88	10.33	103.65	8.84	10.14	4.91	6.62	173.19
OVA38720	4.50	3.55	7.64	18.05	3.91	10.45	103.93	9.19	10.47	4.95	6.76	183.76
OVA38721	5.00	2.87	7.92	19.11	3.84	10.58	113.43	9.53	11.10	4.87	6.97	202.69
OVA38722	5.50	2.37	8.00	20.15	3.71	10.72	105.75	9.79	11.66	4.81	7.20	220.50
OVA38723	6.00	1.99	7.48	21.21	3.57	10.81	80.33	9.69	12.30	4.89	7.31	198.15
OVA38724	7.00	1.47	4.72	22.41	2.90	10.74	51.02	7.74	13.45	4.94	7.47	229.61
OVA38725	8.00	1.12	4.71	21.83	1.77	10.19	38.08	8.96	14.43	3.69	7.63	185.65

Catalogue number	Installation height for ceiling mounting (m)	Lux level directly under luminaires (lux)	Escape routes 1 Lux min. Along centreline				Area covered to obtain more than 1 Lux on the ground (m²)	Open (Anti-Panic) areas 0.5 Lux min. Luminaires arranged in a regular array (m)				Area covered to obtain 0.5 Lux on the ground (m²)		
			A (m)	B (m)	C (m)	D (m)		E (m)	F (m)	G (m)	H (m)			
OVA34347	2.00	21.25	5.08	12.23	3.30	7.94	66.05	5.90	6.97	4.01	4.79	95.21		
OVA38717	2.50	13.60	5.62	13.74	3.60	8.75	79.96	6.52	7.93	4.37	5.32	117.15		
<b>Escape routes</b>			2.80	10.84	6.00	14.50	3.72	9.14	90.39	6.95	8.49	4.49	5.64	
			3.00	9.45	6.22	15.05	3.81	9.42	95.73	7.25	8.84	4.63	5.79	
			3.50	6.94	6.80	16.30	3.89	10.00	104.78	8.02	9.49	4.80	6.15	
			3.80	5.89	7.15	16.98	3.97	10.27	112.78	8.52	9.90	4.95	6.42	
			4.00	5.31	7.29	17.47	4.00	10.43	120.20	8.76	10.15	5.03	6.49	
			4.20	4.82	7.50	17.92	4.02	10.51	120.71	9.01	10.40	5.06	6.69	
			4.50	4.20	7.79	18.67	4.05	10.68	117.48	9.36	10.73	5.11	6.83	
			5.00	3.40	8.16	19.85	4.05	10.91	122.73	9.79	11.23	5.11	7.11	
			5.50	2.81	8.31	20.91	4.00	11.10	121.50	9.92	11.79	5.03	7.33	
			6.00	2.36	8.26	21.88	3.82	11.24	120.50	10.03	12.44	4.91	7.51	
			7.00	1.73	7.64	23.31	3.45	11.29	91.12	10.05	13.59	4.81	7.67	
			8.00	1.33	5.30	23.18	2.75	11.00	57.12	9.11	14.58	4.98	7.90	
			9.00	1.05	2.54	21.93	1.22	10.39	30.12	8.13	21.55	4.18	11.10	
			OVA34348	2.00	26.30	5.57	13.53	3.54	8.58	79.74	6.59	7.34	4.36	4.98
			OVA38718	2.50	16.83	6.19	15.17	3.85	9.50	99.48	7.13	8.44	4.63	5.58
			2.80	13.42	6.52	15.93	4.00	9.90	106.13	7.53	9.02	4.81	5.90	
			3.00	11.69	6.74	16.49	4.09	10.19	114.47	7.74	9.51	4.90	6.12	
			3.50	8.59	7.34	17.66	4.28	10.88	133.03	8.48	10.31	5.16	6.55	
			3.80	7.28	7.71	18.36	4.33	11.16	139.63	9.02	10.88	5.29	6.83	
			4.00	6.57	7.94	18.86	4.40	11.43	140.43	9.27	11.14	5.36	6.97	
			4.20	5.96	8.15	19.33	4.46	11.56	141.70	9.50	11.38	5.43	7.10	
			4.50	5.19	8.46	19.99	4.50	11.73	156.64	9.98	11.72	5.54	7.32	
			5.00	4.21	9.02	21.21	4.58	12.13	163.64	10.63	12.38	5.65	7.60	
			5.50	3.48	9.43	22.43	4.57	12.32	157.50	11.23	12.80	5.71	7.90	
			6.00	2.92	9.70	23.68	4.56	12.65	166.02	11.63	13.48	5.74	8.08	
			7.00	2.15	9.37	25.66	4.29	12.94	138.50	11.98	14.68	5.75	8.47	
			8.00	1.64	8.88	27.16	3.86	12.96	114.25	12.02	15.87	5.50	8.71	
			9.00	1.30	5.96	26.70	3.10	12.72	72.30	10.54	16.93	5.72	8.90	
			10.00	1.05	5.77	25.95	1.58	12.02	44.63	12.62	18.04	3.83	9.06	
			OVA34360	2.00	7.12	2.83	7.37	2.43	6.16	20.23	3.21	5.38	2.82	4.46
			OVA34361	2.50	4.56	2.93	7.85	2.52	6.64	24.17	3.36	6.91	2.97	5.76
			OVA38732	2.80	3.63	2.92	8.07	2.52	6.85	23.33	3.42	8.06	3.02	6.71
			OVA38733	3.00	3.17	2.90	8.18	2.52	6.96	21.42	3.45	8.44	3.06	7.05
			3.50	2.33	2.76	8.31	2.43	7.12	20.96	3.47	9.04	3.11	7.54	
			4.00	1.78	2.55	8.25	2.22	7.14	19.04	3.49	9.51	3.10	8.05	
			4.50	1.41	2.17	8.07	1.86	7.06	12.05	3.47	9.83	3.05	8.35	
			5.00	1.14	1.53	7.78	1.27	6.81	7.44	3.42	10.26	2.93	8.74	
			OVA34362	2.00	8.47	2.99	7.81	2.63	6.43	24.99	3.24	6.76	2.91	4.76
			2.50	5.42	3.09	8.32	2.73	6.98	24.17	3.41	7.58	3.07	6.22	
			2.80	4.32	3.08	8.50	2.78	7.20	27.99	3.44	8.47	3.15	7.01	
			3.00	3.76	3.05	8.61	2.80	7.38	26.78	3.44	8.75	3.19	7.35	
			3.50	2.77	3.04	8.72	2.76	7.57	29.16	3.51	9.29	3.23	7.95	
			4.00	2.12	2.93	8.65	2.60	7.73	23.80	3.60	9.86	3.25	8.56	
			4.50	1.67	2.73	8.58	2.37	7.76	18.07	3.67	10.37	3.25	8.96	
			5.00	1.36	2.33	8.47	1.97	7.61	14.88	3.65	10.81	3.16	9.46	
			OVA34363	2.00	26.82	4.60	11.30	3.76	8.88	54.15	4.70	6.86	3.93	5.32
			OVA38734	2.50	17.16	4.91	12.38	4.12	9.82	64.15	5.01	7.95	4.29	6.14
			2.80	13.68	5.05	12.96	4.31	10.37	68.23	5.12	9.28	4.44	7.16	
			3.00	11.92	5.14	13.17	4.41	10.66	68.28	5.22	9.50	4.55	7.38	
			3.50	8.76	5.34	13.81	4.64	11.37	80.18	5.41	10.64	4.78	8.40	
			4.00	6.70	5.46	14.36	4.77	11.98	80.93	5.56	12.38	4.92	10.02	
			4.50	5.30	5.46	14.83	4.87	12.45	78.32	5.67	14.15	5.11	11.57	
			5.00	4.29	5.46	15.18	4.96	12.86	89.26	5.69	15.17	5.21	12.64	
			6.00	2.98	5.40	15.50	4.95	13.45	85.69	5.77	16.24	5.33	13.81	
			7.00	2.19	5.23	15.41	4.68	13.76	72.89	6.00	17.34	5.42	14.99	
			8.00	1.68	4.85	15.25	4.25	13.79	57.12	6.11	18.35	5.42	15.93	
			9.00	1.32	4.05	15.04	3.41	13.44	42.17	6.08	19.22	5.19	17.04	
			10.00	1.07	2.35	14.60	1.94	12.99	29.75	5.95	19.83	5.00	17.91	
			OVA34366	2.00	12.35	3.36	8.43	2.99	7.22	31.54	3.56	6.02	3.23	5.29
			OVA38738	2.50	7.91	3.60	9.11	3.20	7.85	36.26	3.84	7.43	3.46	6.46
			OVA38739	2.80	6.30	3.72	9.51	3.28	8.15	39.07	3.99	7.45	3.58	6.51
			3.00	5.49	3.77	9.70	3.33	8.38	39.50	4.06	7.90	3.65	6.86	
			3.50	4.03	3.82	10.19	3.38	8.80	40.09	4.17	9.72	3.75	8.51	
			4.00	3.09	3.76	10.47	3.33	9.08	38.08	4.27	11.22	3.83	9.89	
			4.50	2.44	3.68	10.68	3.27	9.28	37.66	4.33	11.63	3.91	10.19	
			5.00	1.98	3.47	10.72	3.09	9.33	29.75	4.33	12.05	3.92	10.60	
			6.00	1.37	2.70	10.52	2.42	9.21	21.42	4.25	12.64	3.86	11.06	
			7.00	1.01	0.43	9.85	0.46	8.58	0.00	3.69	13.06	3.92	11.46	

# Spacing table

## Emergency light fittings spacing table

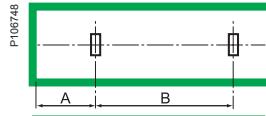
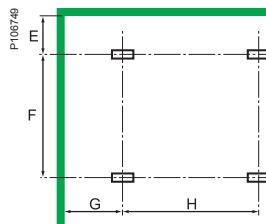
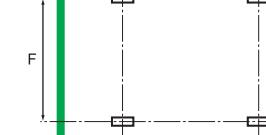
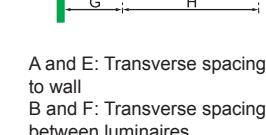
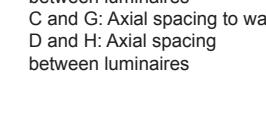
**Escape routes****Open (Anti-Panic) areas**

A and E: Transverse spacing to wall

B and F: Transverse spacing between luminaires

C and G: Axial spacing to wall  
D and H: Axial spacing between luminaires

Catalogue number	Installation height for ceiling mounting	Lux level directly under luminaires	Escape routes				Area covered to obtain more than 1 Lux on the ground	Open (Anti-Panic) areas 0.5 Lux min. Luminaires arranged in a regular array				Area covered to obtain 0.5 Lux on the ground
			A	B	C	D		E	F	G	H	
OVA34367	(m)	(lux)	(m)	(m)	(m <sup>2</sup> )			(m)				
OVA34368	2.00	20.08	3.93	9.60	3.50	8.25	42.84	4.02	6.53	3.64	5.84	65.75
OVA38741	2.50	12.85	4.29	10.66	3.78	9.12	51.14	4.39	7.58	3.93	6.68	79.96
OVA38742	2.80	10.24	4.44	11.11	3.93	9.51	55.40	4.57	8.03	4.10	7.04	84.56
	3.00	8.92	4.53	11.40	4.02	9.80	57.57	4.68	8.58	4.20	7.55	92.38
	3.50	6.56	4.73	12.00	4.17	10.38	61.96	4.91	9.79	4.39	8.58	100.23
	4.00	5.02	4.85	12.56	4.25	10.82	61.88	5.09	10.99	4.52	9.70	111.87
	4.50	3.97	4.87	12.97	4.31	11.27	66.27	5.18	12.94	4.64	11.37	118.99
	5.00	3.21	4.83	13.33	4.27	11.56	59.50	5.29	14.13	4.74	12.35	126.45
	6.00	2.23	4.60	13.68	4.09	11.85	53.55	5.40	15.04	4.85	13.24	128.53
	7.00	1.64	4.04	13.58	3.61	11.91	43.74	5.37	15.70	4.85	13.74	123.92
	8.00	1.25	2.99	13.25	2.72	11.57	19.04	5.17	16.32	4.74	14.20	128.53
OVA34369	2.00	27.02	4.29	10.35	3.80	8.94	52.96	4.35	6.28	3.91	5.67	75.87
OVA34370	2.50	17.30	4.70	11.57	4.16	9.87	64.15	4.75	7.22	4.27	6.41	91.12
OVA38743	2.80	13.79	4.90	12.08	4.35	10.43	65.31	4.94	8.32	4.44	7.34	104.38
OVA38744	3.00	12.01	4.99	12.51	4.45	10.72	69.62	5.04	9.32	4.55	8.26	110.45
	3.50	8.82	5.24	13.30	4.64	11.38	78.36	5.32	11.08	4.78	9.78	125.74
	4.00	6.76	5.46	13.86	4.81	11.98	80.93	5.59	11.29	4.99	9.90	133.29
	4.50	5.34	5.61	14.40	4.95	12.45	84.35	5.74	13.18	5.13	11.64	147.61
	5.00	4.32	5.65	14.97	4.96	12.86	85.54	5.92	13.70	5.25	12.02	156.20
	6.00	3.00	5.55	15.57	4.95	13.51	85.69	6.08	16.50	5.48	14.60	171.37
	7.00	2.21	5.32	15.82	4.77	13.82	72.89	6.14	17.47	5.55	15.39	174.94
	8.00	1.69	4.76	15.79	4.25	13.79	57.12	6.16	18.17	5.56	15.92	171.37
	9.00	1.33	3.87	15.58	3.45	13.57	24.10	6.03	18.80	5.44	16.51	180.74
	10.00	1.08	2.08	14.93	1.99	12.99	29.75	5.66	19.28	5.43	16.81	148.76
OVA34371	2.00	40.54	4.77	11.37	4.24	9.91	65.75	4.78	6.75	4.31	6.06	93.72
OVA38747	2.50	25.94	5.30	12.78	4.70	11.04	80.89	5.25	8.13	4.71	7.27	115.29
	2.80	20.68	5.56	13.44	4.95	11.68	85.14	5.49	8.69	4.94	7.70	132.96
	3.00	18.02	5.70	13.97	5.09	11.98	92.38	5.65	8.80	5.10	7.83	136.56
	3.50	13.24	6.06	14.93	5.34	12.90	102.05	6.01	10.23	5.35	9.05	162.19
	4.00	10.13	6.28	15.87	5.61	13.59	113.06	6.23	13.03	5.62	11.48	171.37
	4.50	8.01	6.55	16.58	5.76	14.21	118.99	6.53	14.07	5.81	12.33	195.81
	5.00	6.49	6.70	17.15	5.96	14.77	126.45	6.72	15.45	6.03	13.60	204.55
	6.00	4.50	6.90	18.13	6.11	15.65	128.53	7.10	15.88	6.34	14.09	232.96
	7.00	3.31	6.88	18.92	6.09	16.40	127.56	7.27	19.96	6.49	17.48	247.83
	8.00	2.53	6.71	19.32	5.97	16.72	133.29	7.44	20.84	6.67	18.52	252.30
	9.00	2.00	6.30	19.39	5.62	16.94	96.40	7.45	21.62	6.71	18.92	265.09
	10.00	1.62	5.66	19.31	5.04	16.86	89.26	7.40	22.38	6.65	19.82	238.02
	11.00	1.34	4.73	19.04	4.28	16.58	36.00	7.22	22.99	6.59	20.21	270.00
	12.00	1.13	3.10	18.50	2.94	16.11	42.84	6.89	23.53	6.55	20.71	214.21
OVA34372	2.00	22.75	4.01	9.90	3.50	8.58	46.41	4.14	8.96	3.67	7.41	71.41
OVA38748	2.50	14.56	4.33	10.85	3.78	9.50	53.93	4.45	11.06	3.95	9.32	86.00
	2.80	11.60	4.52	11.42	3.93	9.95	59.48	4.65	11.55	4.10	9.90	92.14
	3.00	10.11	4.62	11.65	4.02	10.24	62.26	4.76	11.92	4.20	10.15	96.40
	3.50	7.43	4.86	12.37	4.25	10.78	63.78	4.98	12.78	4.41	10.98	107.52
	4.00	5.69	5.03	12.87	4.37	11.27	72.60	5.20	13.53	4.58	11.70	121.39
	4.50	4.49	5.13	13.34	4.42	11.68	73.80	5.41	14.25	4.73	12.27	126.52
	5.00	3.64	5.18	13.76	4.46	12.02	72.52	5.53	14.85	4.83	12.85	126.45
	6.00	2.53	4.99	14.30	4.36	12.48	74.98	5.61	15.79	4.96	13.64	139.24
	7.00	1.86	4.59	14.44	3.96	12.66	58.31	5.71	16.71	4.99	14.49	145.79
	8.00	1.42	3.86	14.22	3.35	12.50	38.08	5.61	17.31	4.94	14.93	152.33
	9.00	1.12	2.50	13.69	2.08	12.03	24.10	5.48	18.04	4.65	15.44	120.50
OVA34373	2.00	10.96	2.99	7.95	2.83	6.96	28.86	3.45	4.66	3.29	4.19	44.33
OVA34374	2.50	7.01	3.20	8.64	3.03	7.52	32.08	3.71	5.13	3.54	4.65	53.46
OVA34375	2.80	5.59	3.28	8.98	3.08	7.85	34.41	3.86	5.38	3.66	4.85	56.56
OVA38753	3.00	4.87	3.33	9.17	3.13	8.04	35.48	3.90	5.47	3.70	4.99	60.25
OVA38754	3.50	3.58	3.35	9.61	3.12	8.45	34.62	4.06	5.77	3.82	5.29	62.87
	4.00	2.74	3.30	9.90	3.10	8.66	35.70	4.13	5.99	3.91	5.56	69.02
	4.50	2.17	3.18	10.06	2.98	8.73	30.12	4.18	6.40	3.95	5.96	69.29
	5.00	1.75	2.95	10.06	2.74	8.73	26.03	4.19	7.56	3.94	7.07	68.80
	6.00	1.22	2.01	9.73	1.89	8.52	10.71	4.04	9.75	3.83	9.07	69.62
OVA34376	2.00	14.09	3.26	8.54	3.05	7.45	34.51	3.67	5.01	3.46	4.45	51.77
OVA38755	2.50	9.02	3.50	9.37	3.32	8.20	39.51	3.99	5.55	3.80	4.97	61.36
OVA38756	2.80	7.19	3.62	9.77	3.43	8.50	40.24	4.13	5.81	3.94	5.22	68.23
	3.00	6.26	3.67	10.01	3.48	8.73	42.17	4.20	5.95	4.00	5.43	66.94
	3.50	4.60	3.79	10.50	3.56	9.21	46.47	4.39	6.31	4.16	5.73	80.18
	4.00	3.52	3.80	10.89	3.54	9.58	44.03	4.56	6.53	4.29	6.00	82.12
	4.50	2.78	3.74	11.19	3.52	9.78	46.69	4.62	6.80	4.37	6.27	88.87
	5.00	2.25	3.63	11.37	3.40	9.87	37.19	4.66	7.12	4.40	6.64	92.98
	6.00	1.57	3.12	11.36	2.93	9.89	32.13	4.62	9.56	4.36	8.96	91.04
	7.00	1.15	1.97	10.95	1.84	9.58	14.58	4.46	11.93	4.20	11.12	80.18

Catalogue number	Installation height for ceiling mounting (m)	Lux level directly under luminaires (lux)	Escape routes 1 Lux min. Along centreline				Area covered to obtain more than 1 Lux on the ground (m <sup>2</sup> )	Open (Anti-Panic) areas 0.5 Lux min. Luminaires arranged in a regular array				Area covered to obtain 0.5 Lux on the ground (m <sup>2</sup> )	
			A (m)	B (m)	C (m)	D (m)		E (m)	F (m)	G (m)	H (m)		
OVA34377	2.00	18.79	3.61	9.32	3.36	8.03	40.17	3.95	5.50	3.71	4.79	61.29	
OVA38757	2.50	12.03	3.89	10.21	3.64	8.88	46.49	4.28	6.04	4.04	5.39	74.38	
<b>Escape routes</b>  	2.80	9.59	4.00	10.72	3.78	9.37	52.48	4.45	6.29	4.24	5.71	79.31	
	3.00	8.35	4.09	10.96	3.87	9.56	54.22	4.60	6.51	4.38	5.85	85.02	
	3.50	6.14	4.28	11.57	4.03	10.14	56.49	4.83	6.87	4.57	6.28	91.12	
	4.00	4.70	4.37	12.06	4.11	10.57	60.69	4.99	7.22	4.72	6.62	105.92	
	4.50	3.71	4.38	12.47	4.09	10.97	58.74	5.16	7.49	4.84	6.90	106.94	
	5.00	3.01	4.35	12.82	4.09	11.25	63.22	5.25	7.77	4.96	7.18	113.43	
	6.00	2.09	4.12	13.18	3.86	11.44	48.20	5.32	8.71	5.01	8.15	115.14	
	7.00	1.53	3.57	13.08	3.34	11.39	43.74	5.27	11.01	4.96	10.25	123.92	
	8.00	1.17	2.41	12.74	2.26	11.15	19.04	5.10	13.20	4.81	12.31	114.25	
	OVA34390	2.00	20.17	4.71	11.79	3.43	8.25	58.61	5.26	7.46	3.97	4.91	89.55
<b>Open (Anti-Panic) areas</b> 	OVA34391	2.80	10.29	5.56	13.70	3.82	9.46	74.64	6.21	8.25	4.43	5.77	116.63
	OVA38779	3.00	8.96	5.70	14.05	3.91	9.70	81.00	6.33	8.36	4.50	5.98	123.17
	OVA38780	3.50	6.59	6.00	15.01	4.03	10.23	81.09	6.73	8.89	4.68	6.41	138.50
	OVA38781	4.00	5.04	6.22	15.79	4.14	10.62	90.45	6.96	9.42	4.81	6.76	149.95
	OVA38782	4.50	3.98	6.37	16.49	4.16	11.02	88.87	7.16	9.99	4.85	7.03	165.68
	OVA38783	5.00	3.23	6.34	17.06	4.16	11.21	83.68	7.19	10.60	4.89	7.31	161.78
	OVA34392	5.50	2.67	6.16	17.44	4.11	11.39	85.50	7.16	11.03	4.94	7.47	180.00
	OVA38782	6.00	2.24	5.95	17.54	3.97	11.54	69.62	7.18	11.55	4.96	7.82	174.05
	OVA38783	6.50	1.91	5.75	17.58	3.75	11.55	69.14	7.22	13.05	4.89	8.76	169.70
	OVA38783	7.00	1.65	5.52	17.38	3.49	11.44	72.89	7.25	14.54	4.77	9.65	167.65
<b>A and E: Transverse spacing to wall</b> <b>B and F: Transverse spacing between luminaires</b> <b>C and G: Axial spacing to wall</b> <b>D and H: Axial spacing between luminaires</b>	OVA34400	2.00	31.04	4.95	12.04	3.61	8.99	71.11	5.47	7.34	4.13	5.11	101.75
	OVA38800	2.50	19.86	5.55	13.38	3.92	9.92	85.54	6.11	8.05	4.47	5.72	125.98
	OVA38801	2.80	15.84	5.87	14.13	4.11	10.37	94.47	6.40	8.37	4.63	6.04	139.37
	OVA38802	3.00	14.46	6.08	14.76	4.21	10.66	99.74	6.69	8.84	4.78	6.26	147.27
	OVA38802	4.00	8.14	6.79	17.06	4.56	11.86	121.39	7.54	10.03	5.23	7.12	189.22
	OVA38803	5.00	5.21	7.21	18.71	4.74	12.69	135.74	8.19	11.23	5.56	7.75	225.00
	OVA38803	6.00	3.62	7.48	19.78	4.86	13.27	131.21	8.71	12.17	5.84	8.31	232.96
	OVA38803	6.50	3.08	7.48	20.21	4.81	13.40	138.27	8.92	12.62	5.91	8.53	248.26
	OVA38803	7.00	2.66	7.51	20.56	4.77	13.58	127.56	9.02	13.03	5.91	8.70	269.70
	OVA38803	7.50	2.31	7.43	20.84	4.69	13.75	112.96	9.15	13.39	5.95	8.84	259.40
	OVA38803	8.00	2.03	7.33	21.04	4.53	13.73	109.49	9.29	13.58	5.93	9.02	257.06
	OVA38803	8.50	1.80	7.07	21.18	4.28	13.77	107.48	9.32	14.17	5.84	9.30	263.32
	OVA38803	9.00	1.61	6.78	21.36	4.01	13.75	96.40	9.41	14.43	5.77	9.42	265.09
	OVA38803	9.50	1.44	6.35	21.29	3.60	13.62	53.70	9.44	14.97	5.57	9.82	281.94
	OVA38803	10.00	1.30	5.77	21.26	3.11	13.49	52.07	9.46	15.48	5.32	10.09	230.58
	OVA38803	10.50	1.18	4.95	21.00	2.38	13.25	32.80	9.64	15.19	4.89	9.92	221.41
	OVA38803	11.00	1.08	3.26	20.79	1.16	12.96	0.00	10.00	14.88	3.87	9.65	216.00
<b>OVA34401</b> 	OVA34400	2.00	3.89	2.09	5.77	1.93	5.14	13.39	2.58	4.34	2.42	3.86	24.40
	OVA38800	2.50	2.49	2.01	5.96	1.87	5.39	12.09	2.64	5.70	2.49	5.14	24.64
	OVA38801	2.80	1.99	1.89	6.01	1.77	5.43	9.91	2.65	6.35	2.52	5.75	26.82
	OVA38802	3.00	1.73	1.77	5.95	1.66	5.43	10.04	2.65	6.79	2.52	6.10	25.44
	OVA38803	3.50	1.27	1.34	5.77	1.24	5.30	3.64	2.62	7.17	2.46	6.52	25.51
	OVA34401	2.00	6.49	2.26	5.99	2.30	5.93	16.07	2.64	4.49	2.68	4.48	26.78
	OVA34402	2.50	4.15	2.31	6.40	2.37	6.34	16.27	2.77	5.34	2.83	5.34	32.54
	OVA38804	2.80	3.31	2.31	6.56	2.35	6.50	18.66	2.84	5.98	2.88	5.99	32.66
	OVA38805	3.00	2.88	2.28	6.64	2.32	6.58	17.41	2.86	6.76	2.90	6.78	34.81
	OVA38806	3.50	2.12	2.17	6.73	2.21	6.67	14.58	2.91	7.28	2.96	7.38	32.80
<b>OVA38807</b> 	OVA38807	4.00	1.62	1.93	6.75	1.95	6.65	14.28	2.90	8.06	2.93	8.10	38.08
	OVA38807	4.50	1.28	1.51	6.54	1.53	6.48	6.02	2.86	8.38	2.89	8.50	36.15
	OVA38807	5.00	1.04	0.57	6.28	0.64	6.19	0.00	2.63	8.52	2.87	8.64	29.75
	OVA34403	2.00	6.35	2.65	6.96	2.49	6.40	21.42	2.95	7.07	2.80	6.37	35.11
	OVA34404	2.50	4.06	2.68	7.38	2.57	6.88	24.17	3.10	7.74	2.99	7.03	39.98
<b>OVA34405</b> 	OVA34405	2.80	3.24	2.66	7.53	2.57	7.04	18.66	3.15	8.15	3.06	7.42	41.99
	OVA34406	3.00	2.82	2.63	7.58	2.54	7.15	21.42	3.19	8.34	3.10	7.62	42.84
	OVA38808	3.50	2.07	2.50	7.64	2.38	7.25	18.22	3.24	8.92	3.11	8.26	47.38
	OVA38809	4.00	1.59	2.22	7.59	2.13	7.27	14.28	3.22	9.36	3.10	8.68	38.08
	OVA38810	4.50	1.25	1.75	7.42	1.66	7.10	6.02	3.17	9.69	3.03	9.09	48.20
	OVA38811	5.00	1.02	0.48	7.07	0.55	6.75	0.00	2.81	9.75	3.13	9.23	37.19
	OVA38812												
	OVA38813												
	OVA38814												
	OVA38815												

# Spacing table

## Emergency light fittings spacing table

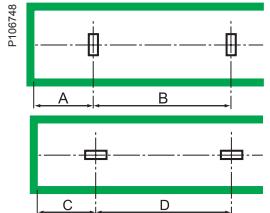
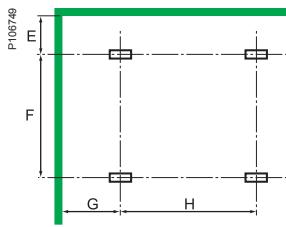
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	Catalogue number	Installation height for ceiling mounting	Lux level directly under luminaires	Escape routes				Area covered to obtain more than 1 Lux on the ground	Open (Anti-Panic) areas 0.5 Lux min. Luminaires arranged in a regular array				Area covered to obtain 0.5 Lux on the ground
				A	B	C	D		E	F	G	H	
<b>Escape routes</b>	<b>OVA34407</b>	2.00	10.54	2.99	7.37	2.91	7.04	25.29	3.09	6.26	3.02	5.94	40.46
	OVA34408	2.50	6.74	3.14	8.00	3.06	7.67	28.82	3.28	8.10	3.21	7.65	46.02
	OVA34409	2.80	5.38	3.19	8.26	3.11	7.96	30.32	3.39	8.46	3.32	8.10	50.73
	OVA34410	3.00	4.68	3.22	8.45	3.13	8.15	31.46	3.43	8.81	3.35	8.45	53.55
	OVA38816	3.50	3.44	3.24	8.80	3.15	8.46	29.16	3.57	9.32	3.49	8.95	56.49
	OVA38817	4.00	2.63	3.18	8.96	3.10	8.66	28.56	3.66	9.79	3.57	9.42	61.88
	OVA38818	4.50	2.08	3.01	9.04	2.95	8.77	24.10	3.66	10.24	3.60	9.77	63.26
	OVA38819	5.00	1.69	2.74	9.04	2.71	8.73	22.31	3.62	10.70	3.58	10.32	59.50
	OVA38820	6.00	1.17	1.78	8.68	1.72	8.37	10.71	3.55	11.36	3.45	10.97	58.91
	<b>OVA34411</b>	2.00	9.75	3.05	7.41	2.75	6.86	26.78	3.21	7.51	2.94	6.75	41.95
	OVA38824	2.50	6.24	3.26	8.16	2.90	7.52	30.68	3.46	8.48	3.14	7.60	50.67
	OVA38825	2.80	4.97	3.31	8.54	2.98	7.81	30.91	3.56	8.87	3.25	7.90	53.07
	OVA38826	3.00	4.33	3.33	8.73	3.00	7.96	33.47	3.63	9.23	3.31	8.24	56.90
<b>Open (Anti-Panic) areas</b>	OVA38827	3.50	3.18	3.35	9.04	2.99	8.27	29.16	3.78	9.79	3.43	8.79	60.14
	OVA34412	4.00	2.44	3.27	9.28	2.91	8.50	32.13	3.88	10.31	3.50	9.21	61.88
	OVA38828	4.50	1.93	3.09	9.36	2.73	8.58	24.10	3.93	10.77	3.53	9.56	64.77
	OVA38827	5.00	1.56	2.77	9.41	2.44	8.50	22.31	3.91	11.23	3.50	9.90	59.50
	OVA34413	6.00	1.08	1.39	9.00	1.17	8.06	10.71	3.80	11.88	3.28	10.60	53.55
	OVA38828	2.00	11.37	3.20	7.77	2.91	7.18	29.75	3.31	7.90	3.06	7.09	46.12
	OVA38826	2.50	7.28	3.44	8.53	3.09	7.89	34.40	3.60	8.76	3.28	7.75	55.32
	OVA38827	2.80	5.80	3.52	8.96	3.16	8.23	36.74	3.74	9.29	3.41	8.35	59.48
	OVA34412	3.00	5.05	3.54	9.15	3.22	8.41	35.48	3.79	9.54	3.49	8.60	61.59
	OVA38826	3.50	3.71	3.62	9.64	3.26	8.80	37.36	3.95	10.22	3.61	9.25	69.25
	OVA38827	4.00	2.84	3.60	9.88	3.21	9.04	38.08	4.09	10.80	3.70	9.72	74.98
	OVA34413	4.50	2.25	3.48	10.08	3.09	9.20	33.14	4.17	11.32	3.76	10.13	78.32
	OVA38826	5.00	1.82	3.25	10.13	2.89	9.24	29.75	4.17	11.79	3.76	10.47	74.38
	OVA38827	6.00	1.26	2.39	9.98	2.07	9.00	10.71	4.11	12.49	3.62	11.23	74.98
<b>A and E: Transverse spacing to wall B and F: Transverse spacing between luminaires C and G: Axial spacing to wall D and H: Axial spacing between luminaires</b>	OVA34413	2.00	11.24	2.78	7.11	2.83	7.03	24.99	3.03	4.83	3.07	4.84	38.68
	OVA38828	2.50	7.19	2.95	7.74	3.01	7.66	27.89	3.25	5.63	3.30	5.65	46.02
	OVA38829	2.80	5.73	3.00	8.04	3.06	7.96	30.32	3.36	6.17	3.41	6.20	49.57
	OVA38931	3.00	4.99	3.03	8.19	3.11	8.15	30.79	3.41	6.41	3.49	6.44	52.21
	OVA34414	3.50	3.67	3.07	8.53	3.12	8.45	29.16	3.53	7.59	3.58	7.64	56.49
	OVA38828	4.00	2.81	3.01	8.73	3.07	8.65	28.56	3.61	8.31	3.67	8.36	61.88
	OVA38827	4.50	2.22	2.87	8.85	2.95	8.77	24.10	3.64	9.30	3.73	9.36	58.74
	OVA34413	5.00	1.80	2.66	8.85	2.71	8.77	22.31	3.65	10.33	3.72	10.41	59.50
	OVA38826	6.00	1.25	1.86	8.60	1.92	8.48	10.71	3.54	11.02	3.63	11.21	58.91
	OVA34414	2.00	14.05	2.99	7.65	3.05	7.56	28.56	3.22	4.59	3.27	4.60	44.93
	OVA38830	2.50	8.99	3.20	8.28	3.26	8.24	33.47	3.44	6.04	3.50	6.07	53.93
	OVA38831	2.80	7.17	3.31	8.67	3.37	8.58	34.41	3.58	6.29	3.64	6.32	57.73
<b>OVA34415</b>	3.00	6.24	3.33	8.86	3.39	8.77	34.81	3.65	6.73	3.70	6.77	58.91	
	OVA34414	3.50	4.59	3.41	9.25	3.47	9.16	40.09	3.79	7.97	3.84	8.03	66.51
	OVA38832	4.00	3.51	3.42	9.58	3.48	9.49	38.08	3.90	8.64	3.96	8.70	66.64
	OVA38833	4.50	2.77	3.36	9.78	3.42	9.69	36.15	3.97	9.70	4.03	9.87	78.32
	OVA38834	5.00	2.25	3.22	9.92	3.31	9.78	29.75	3.98	10.92	4.09	11.02	76.24
	OVA38835	6.00	1.56	2.73	9.85	2.80	9.76	32.13	3.99	11.87	4.07	11.98	85.69
	OVA38836	7.00	1.15	1.68	9.45	1.75	9.31	14.58	3.84	12.42	3.97	12.54	58.31
	OVA34415	2.00	16.75	3.50	8.11	3.26	8.07	36.60	3.47	8.35	3.27	7.76	55.34
	OVA34417	2.50	10.72	3.85	9.12	3.54	8.93	42.77	3.86	9.40	3.58	8.68	67.41
	OVA38832	2.80	8.55	4.00	9.65	3.68	9.32	48.98	4.03	10.04	3.75	9.30	72.89
	OVA38833	3.00	7.45	4.05	9.99	3.74	9.56	50.88	4.13	10.46	3.85	9.70	78.32
	OVA38834	3.50	5.47	4.17	10.58	3.89	10.04	51.94	4.33	11.20	4.07	10.32	85.65
	OVA38835	4.00	4.19	4.29	11.12	3.93	10.52	57.12	4.52	12.04	4.19	11.13	96.40
	OVA38836	4.50	3.31	4.31	11.47	3.91	10.87	49.70	4.69	12.64	4.30	11.60	99.41
	OVA38837	5.00	2.68	4.23	11.71	3.87	11.11	59.50	4.74	13.14	4.38	11.97	102.27
<b>OVA34416</b>	6.00	1.86	3.90	12.05	3.53	11.19	42.84	4.83	14.07	4.43	12.88	107.11	
	OVA34418	7.00	1.37	3.15	11.85	2.83	11.04	29.16	4.80	14.78	4.35	13.67	116.63
	OVA38838	8.00	1.05	1.37	11.31	1.20	10.44	0.00	4.65	15.45	4.11	14.06	90.45
	OVA34416	2.00	16.04	3.36	8.07	3.26	8.02	33.92	3.35	8.19	3.26	7.99	49.98
	OVA34418	2.50	10.26	3.60	8.89	3.54	8.75	39.51	3.62	9.03	3.56	8.82	59.50
	OVA38834	2.80	8.18	3.72	9.32	3.65	9.14	40.82	3.76	9.49	3.70	9.18	66.48
	OVA38835	3.00	7.13	3.81	9.51	3.70	9.37	41.50	3.87	9.73	3.78	9.42	71.63
	OVA38836	3.50	5.24	3.92	10.04	3.79	9.91	47.38	4.06	10.50	3.94	10.09	77.45
	OVA38837	4.00	4.01	3.97	10.43	3.83	10.24	41.65	4.18	11.26	4.06	10.83	83.31
	OVA38838	4.50	3.17	3.95	10.73	3.84	10.54	48.20	4.27	11.79	4.18	11.46	85.85
	OVA38839	5.00	2.57	3.87	10.91	3.73	10.68	44.63	4.36	12.30	4.22	11.97	96.69
	OVA38837	6.00	1.78	3.46	11.05	3.39	10.76	32.13	4.36	13.16	4.28	12.71	85.69
	OVA38838	7.00	1.31	2.69	10.74	2.62	10.55	14.58	4.28	13.85	4.18	13.27	87.47
	OVA38839	8.00	1.00	0.28	10.14	0.28	9.90	0.00	4.03	14.35	4.03	13.76	76.17

	Catalogue number	Installation height for ceiling mounting (m)	Lux level directly under luminaires (lux)	Escape routes 1 Lux min. Along centreline				Area covered to obtain more than 1 Lux on the ground (m²)	Open (Anti-Panic) areas 0.5 Lux min. Luminaires arranged in a regular array (m)				Area covered to obtain 0.5 Lux on the ground (m²)
				A (m)	B (m)	C (m)	D (m)		E (m)	F (m)	G (m)	H (m)	
Escape routes	<b>OVA34419</b>	2.00	16.68	3.65	9.04	3.17	7.94	39.57	3.81	9.04	3.38	7.56	58.02
		2.50	10.68	3.92	9.87	3.41	8.66	44.16	4.13	10.07	3.65	8.64	67.87
		2.80	8.51	4.07	10.31	3.55	9.01	48.98	4.27	10.65	3.79	9.10	78.72
		3.00	7.41	4.17	10.55	3.64	9.24	46.19	4.34	11.01	3.85	9.44	78.99
		3.50	5.45	4.36	11.15	3.75	9.72	51.02	4.58	11.69	4.02	10.00	90.20
		4.00	4.17	4.40	11.59	3.80	10.10	54.74	4.75	12.35	4.16	10.64	99.97
		4.50	3.29	4.38	11.94	3.81	10.45	49.70	4.81	12.94	4.24	11.21	102.42
		5.00	2.67	4.31	12.24	3.73	10.68	53.93	4.89	13.49	4.30	11.62	102.27
		6.00	1.85	3.93	12.37	3.39	10.85	42.84	4.96	14.29	4.35	12.38	107.11
		7.00	1.36	3.15	12.12	2.72	10.69	29.16	4.87	15.00	4.27	12.81	112.98
		8.00	1.04	1.34	11.52	1.09	10.10	0.00	4.73	15.65	3.94	13.39	95.21
Open (Anti-Panic) areas	<b>OVA34421</b>	2.00	26.73	3.93	9.31	3.84	9.20	45.22	3.75	9.33	3.68	8.97	66.35
		2.50	17.11	4.29	10.31	4.16	10.20	54.86	4.14	10.35	4.03	9.99	80.42
		2.80	13.64	4.44	10.76	4.35	10.64	58.31	4.30	10.88	4.23	10.52	90.97
		3.00	11.88	4.53	11.17	4.45	10.94	59.58	4.40	11.20	4.33	10.84	97.74
		3.50	8.73	4.77	11.89	4.69	11.65	69.25	4.66	11.99	4.58	11.76	109.34
		4.00	6.68	4.94	12.44	4.81	12.20	71.41	4.91	12.75	4.80	12.38	115.44
		4.50	5.28	5.09	12.91	4.91	12.74	78.32	5.08	13.61	4.92	13.24	129.53
		5.00	4.28	5.09	13.33	4.96	13.15	81.82	5.21	14.24	5.09	13.72	141.32
		6.00	2.97	5.03	13.93	4.95	13.68	85.69	5.38	15.38	5.29	15.00	139.24
		7.00	2.18	4.81	14.25	4.68	13.88	58.31	5.52	16.27	5.38	15.87	160.36
		8.00	1.67	4.34	14.22	4.21	13.85	57.12	5.49	17.17	5.34	16.62	152.33
A and E: Transverse spacing to wall B and F: Transverse spacing between luminaires C and G: Axial spacing to wall D and H: Axial spacing between luminaires	<b>OVA34423</b>	9.00	1.32	3.50	13.88	3.41	13.56	24.10	5.40	17.84	5.28	17.12	144.60
		10.00	1.07	1.90	13.37	1.81	12.99	0.00	5.25	18.49	5.02	17.91	119.01
		2.00	18.66	3.61	8.39	3.40	8.16	39.27	3.55	8.30	3.37	7.89	55.64
		2.50	11.94	3.96	9.41	3.67	9.11	46.02	3.91	9.63	3.66	9.09	70.20
		2.80	9.52	4.15	9.91	3.82	9.51	51.32	4.11	10.27	3.82	9.61	76.97
		3.00	8.29	4.24	10.19	3.91	9.79	54.89	4.21	10.64	3.92	9.85	81.67
		3.50	6.09	4.44	10.94	4.06	10.33	56.49	4.48	11.50	4.14	10.58	91.12
		4.00	4.66	4.56	11.53	4.14	10.81	61.88	4.69	12.10	4.31	11.29	103.54
		4.50	3.69	4.58	12.00	4.16	11.16	60.25	4.84	12.83	4.44	11.76	108.45
		5.00	2.98	4.54	12.30	4.16	11.45	59.50	4.93	13.32	4.56	12.24	115.29
		6.00	2.07	4.28	12.65	3.86	11.74	50.88	5.07	14.46	4.62	13.22	125.85
		7.00	1.52	3.68	12.72	3.34	11.75	43.74	5.09	15.22	4.66	13.82	116.63
<b>OVA34424</b>	<b>OVA34424</b>	8.00	1.17	2.52	12.28	2.22	11.31	19.04	4.95	15.84	4.41	14.28	114.25
		2.00	17.94	3.40	8.20	3.33	8.25	35.41	3.36	8.35	3.31	8.15	53.26
		2.50	11.48	3.67	9.07	3.57	9.02	40.91	3.67	9.29	3.58	9.09	66.48
		2.80	9.15	3.78	9.46	3.72	9.41	45.49	3.79	9.92	3.73	9.71	70.56
		3.00	7.97	3.87	9.65	3.77	9.65	46.86	3.91	10.16	3.82	9.95	75.64
		3.50	5.86	4.03	10.23	3.92	10.19	47.38	4.11	10.94	4.02	10.61	80.18
		4.00	4.49	4.11	10.67	4.00	10.62	53.55	4.27	11.58	4.17	11.26	91.64
		4.50	3.54	4.12	11.02	4.02	10.97	48.20	4.38	12.16	4.28	11.83	91.88
		5.00	2.87	4.09	11.30	3.98	11.16	53.93	4.48	12.69	4.37	12.24	96.69
		6.00	1.99	3.79	11.49	3.68	11.39	42.84	4.58	13.60	4.47	13.14	93.72
		7.00	1.46	3.15	11.44	3.04	11.24	40.09	4.51	14.42	4.37	13.94	116.63
<b>OVA34427</b>	<b>OVA34427</b>	8.00	1.12	1.92	10.89	1.85	10.79	19.04	4.35	14.99	4.21	14.50	80.93
		2.00	22.05	3.80	8.79	3.57	8.53	41.36	3.66	8.61	3.47	8.18	62.18
		2.50	14.11	4.16	9.82	3.89	9.50	53.00	4.05	9.95	3.81	9.38	76.70
		2.80	11.25	4.35	10.32	4.04	10.00	53.65	4.28	10.71	4.01	10.00	83.97
		3.00	9.80	4.49	10.72	4.13	10.29	59.58	4.40	11.13	4.09	10.42	89.03
		3.50	7.20	4.73	11.48	4.32	10.88	61.05	4.68	11.98	4.32	11.12	104.78
		4.00	5.51	4.90	12.15	4.44	11.43	66.64	4.93	12.71	4.52	11.84	109.49
		4.50	4.36	4.95	12.68	4.50	11.89	72.30	5.13	13.37	4.70	12.49	123.51
		5.00	3.53	4.96	13.10	4.54	12.24	66.94	5.22	14.00	4.82	12.97	124.59
		6.00	2.45	4.86	13.63	4.40	12.70	64.26	5.44	15.18	4.97	13.86	139.24
		7.00	1.80	4.42	13.88	4.00	12.83	58.31	5.51	16.03	5.04	14.54	138.50
<b>OVA34429</b>	<b>OVA34429</b>	8.00	1.38	3.65	13.67	3.27	12.73	38.08	5.45	16.73	4.94	15.08	152.33
		9.00	1.09	2.04	13.20	1.83	12.03	24.10	5.23	17.39	4.75	15.70	120.50
		2.00	47.10	4.49	10.56	4.44	10.70	62.18	4.16	10.77	4.12	10.35	90.15
		2.50	30.14	4.96	11.78	4.91	11.93	75.31	4.59	11.99	4.54	11.56	112.04
		2.80	24.03	5.21	12.43	5.10	12.50	85.14	4.84	12.72	4.75	12.29	123.04
		3.00	20.93	5.36	12.87	5.25	12.94	85.02	4.99	12.98	4.90	12.71	133.21
		3.50	15.38	5.66	13.82	5.49	13.74	102.96	5.32	14.02	5.18	13.75	148.52
		4.00	11.78	5.93	14.58	5.77	14.58	104.73	5.57	15.05	5.43	14.78	170.18
		4.50	9.30	6.14	15.21	5.97	15.20	117.48	5.87	15.81	5.72	15.53	182.25
		5.00	7.54	6.34	15.78	6.17	15.77	122.73	6.07	16.59	5.92	16.31	204.55
		6.00	5.23	6.61	16.82	6.43	16.82	139.24	6.47	18.06	6.32	17.60	230.28
<b>OVA34430</b>	<b>OVA34430</b>	7.00	3.84	6.64	17.68	6.47	17.52	120.27	6.75	19.34	6.59	18.69	247.83
		8.00	2.94	6.59	18.25	6.42	18.01	152.33	6.92	20.40	6.75	19.73	247.54
		9.00	2.33	6.36	18.56	6.19	18.40	126.52	7.07	21.42	6.89	20.74	277.14
		10.00	1.88	6.01	18.65	5.83	18.41	111.57	7.08	22.24	6.88	21.55	238.02
		11.00	1.56	5.37	18.54	5.19	18.30	108.00	7.02	23.06	6.80	22.35	288.00
		12.00	1.31	4.43	18.25	4.31	18.00	42.84	6.86	23.68	6.69	22.97	257.06
		13.00	1.11	3.06	17.62	2.94	17.45	50.28	6.70	24.32	6.46	23.59	213.69

# Spacing table

## Emergency light fittings spacing table

**Escape routes****Open (Anti-Panic) areas**

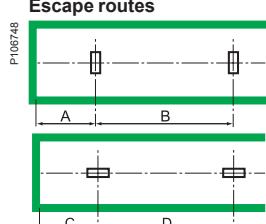
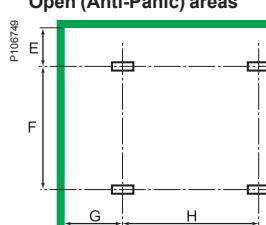
A and E: Transverse spacing to wall

B and F: Transverse spacing between luminaires

C and G: Axial spacing to wall

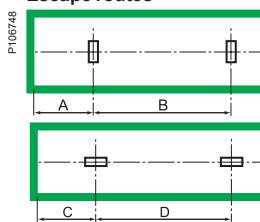
D and H: Axial spacing between luminaires

Catalogue number	Installation height for ceiling mounting (m)	Lux level directly under luminaires (lux)	Escape routes 1 Lux min. Along centreline				Area covered to obtain more than 1 Lux on the ground (m <sup>2</sup> )	Open (Anti-Panic) areas 0.5 Lux min. Luminaires arranged in a regular array				Area covered to obtain 0.5 Lux on the ground (m <sup>2</sup> )
			A (m)	B (m)	C (m)	D (m)		E (m)	F (m)	G (m)	H (m)	
OVA34460 OVA38930	2.00	28.97	4.15	9.84	3.97	9.43	48.50	3.95	7.01	3.80	6.71	71.70
	2.50	18.54	4.46	10.91	4.33	10.43	56.25	4.26	9.81	4.15	9.33	87.40
	2.80	14.78	4.66	11.42	4.52	10.94	64.73	4.49	8.97	4.37	8.64	96.22
	3.00	12.88	4.80	11.71	4.66	11.23	64.26	4.59	10.73	4.47	10.37	101.75
	3.50	9.46	5.05	12.50	4.86	11.95	72.89	4.87	12.22	4.71	11.71	112.07
	4.00	7.24	5.21	13.12	5.03	12.56	78.55	5.11	12.68	4.94	12.04	129.72
	4.50	5.72	5.32	13.66	5.13	13.16	78.32	5.26	13.91	5.09	13.37	135.56
	5.00	4.64	5.36	14.09	5.18	13.52	85.54	5.41	14.60	5.24	14.06	148.76
	6.00	3.22	5.36	14.69	5.22	14.12	85.69	5.62	15.68	5.49	15.13	152.63
	7.00	2.37	5.18	15.01	5.04	14.44	80.18	5.74	16.63	5.60	15.92	178.59
OVA34461	8.00	1.81	4.71	14.99	4.67	14.54	57.12	5.71	17.47	5.66	16.76	152.33
	9.00	1.43	4.05	14.84	3.96	14.32	30.12	5.67	18.30	5.55	17.56	168.69
	10.00	1.16	2.87	14.33	2.77	13.81	29.75	5.58	18.90	5.41	18.16	156.20
	2.00	18.73	3.30	8.25	3.36	8.20	34.81	3.44	5.18	3.49	5.21	52.36
	2.50	11.99	3.54	9.07	3.60	8.97	40.91	3.73	6.01	3.79	6.05	63.69
	2.80	9.56	3.68	9.46	3.75	9.37	44.90	3.86	6.75	3.93	6.81	69.39
	3.00	8.32	3.74	9.75	3.81	9.65	46.86	3.96	6.80	4.03	6.85	75.64
	3.50	6.12	3.85	10.24	3.92	10.14	47.38	4.14	8.11	4.20	8.18	80.18
	4.00	4.68	3.93	10.67	4.00	10.57	52.36	4.29	8.94	4.36	9.02	90.45
	4.50	3.70	3.95	10.97	4.02	10.87	48.20	4.39	10.10	4.46	10.20	93.38
OVA34462 OVA38933	5.00	3.00	3.91	11.21	3.98	11.16	52.07	4.50	10.51	4.57	10.61	96.69
	6.00	2.08	3.64	11.44	3.71	11.34	42.84	4.56	12.88	4.64	13.01	91.04
	7.00	1.53	3.12	11.34	3.19	11.24	43.74	4.53	13.70	4.63	13.84	102.05
	8.00	1.17	2.07	10.95	2.14	10.84	19.04	4.35	14.35	4.49	14.50	85.69
	2.00	22.48	3.46	8.73	3.54	8.63	38.68	3.61	5.08	3.67	5.11	59.21
	2.50	14.38	3.78	9.56	3.85	9.50	46.02	3.90	6.27	3.96	6.32	71.59
	2.80	11.47	3.93	10.06	4.00	9.95	49.57	4.08	6.52	4.14	6.57	77.56
	3.00	9.99	3.98	10.35	4.09	10.24	52.21	4.16	6.74	4.26	6.79	81.00
	3.50	7.34	4.17	10.94	4.25	10.83	56.49	4.39	7.66	4.46	7.72	92.94
	4.00	5.62	4.25	11.38	4.33	11.27	61.88	4.54	8.99	4.61	9.07	99.97
OVA34463 OVA38934	4.50	4.44	4.31	11.79	4.38	11.68	58.74	4.69	9.82	4.76	9.92	108.45
	5.00	3.60	4.31	12.08	4.38	11.97	59.50	4.79	10.89	4.87	11.00	111.57
	6.00	2.50	4.20	12.43	4.24	12.37	58.91	4.95	12.54	4.99	12.78	123.17
	7.00	1.83	3.80	12.55	3.88	12.44	43.74	4.95	14.53	5.04	14.69	116.63
	8.00	1.40	3.11	12.39	3.23	12.22	19.04	4.83	15.19	5.00	15.35	114.25
	9.00	1.11	1.83	11.80	1.95	11.75	24.10	4.61	15.69	4.89	15.87	96.40
	2.00	30.44	3.80	9.49	3.88	9.37	47.01	3.95	5.55	3.88	5.50	69.62
	2.50	19.48	4.16	10.43	4.24	10.37	55.79	4.33	6.17	4.25	6.11	84.61
	2.80	15.53	4.35	10.99	4.44	10.87	61.23	4.51	6.58	4.43	6.52	93.30
	3.00	13.53	4.45	11.35	4.53	11.23	60.25	4.61	6.92	4.54	6.86	100.41
OVA34464 OVA38936	3.50	9.94	4.64	12.01	4.73	11.88	71.07	4.87	7.74	4.79	7.67	109.34
	4.00	7.61	4.81	12.62	4.90	12.50	73.79	5.07	9.07	4.99	8.97	123.77
	4.50	6.01	4.95	13.10	5.04	13.03	78.32	5.26	9.82	5.18	9.72	132.55
	5.00	4.87	5.00	13.52	5.09	13.45	85.54	5.41	10.79	5.32	10.67	145.04
	6.00	3.38	5.03	14.12	5.12	13.99	85.69	5.60	13.57	5.51	13.41	149.95
	7.00	2.48	4.86	14.50	4.95	14.31	80.18	5.76	14.46	5.67	14.30	167.65
	8.00	1.90	4.48	14.60	4.62	14.47	66.64	5.81	16.99	5.65	16.79	152.33
	9.00	1.50	3.91	14.45	4.01	14.25	72.30	5.76	17.68	5.64	17.47	168.69
	10.00	1.22	2.91	14.07	3.01	13.94	29.75	5.62	18.38	5.46	18.16	141.32
	11.00	1.01	0.43	13.35	0.58	13.22	0.00	5.95	18.26	4.58	18.04	144.00
OVA34465 OVA38937	2.00	43.08	4.19	10.36	4.29	10.35	58.61	4.19	5.98	4.27	6.06	83.31
	2.50	27.57	4.60	11.58	4.70	11.43	69.73	4.62	6.69	4.71	6.77	102.27
	2.80	21.98	4.85	12.09	4.95	12.01	74.06	4.85	7.11	4.94	7.19	114.88
	3.00	19.15	4.94	12.52	5.04	12.37	79.66	4.95	7.33	5.04	7.42	119.83
	3.50	14.07	5.24	13.38	5.34	13.23	87.47	5.26	8.15	5.35	8.25	137.58
	4.00	10.77	5.46	14.08	5.56	13.93	98.78	5.50	9.36	5.60	9.48	149.95
	4.50	8.51	5.66	14.77	5.76	14.62	105.43	5.75	9.91	5.84	10.03	171.71
	5.00	6.89	5.80	15.19	5.91	15.11	104.13	5.95	10.68	6.05	10.80	172.93
	6.00	4.79	5.95	16.15	6.05	16.00	117.82	6.24	13.12	6.34	13.29	206.18
	7.00	3.52	5.98	16.76	6.09	16.61	116.63	6.45	15.28	6.56	15.48	204.10
	8.00	2.69	5.87	17.16	5.97	16.93	114.25	6.62	16.41	6.73	16.61	247.54
	9.00	2.13	5.57	17.39	5.68	17.16	96.40	6.69	17.99	6.81	18.22	216.89
	10.00	1.72	5.10	17.39	5.21	17.16	89.26	6.63	20.35	6.77	20.61	238.02
	11.00	1.42	4.39	17.11	4.56	16.96	36.00	6.52	21.03	6.75	21.30	216.00
	12.00	1.20	3.33	16.65	3.44	16.49	42.84	6.40	21.62	6.60	21.91	192.79
	13.00	1.02	1.08	15.94	1.25	15.86	0.00	5.81	21.84	6.65	22.13	201.12

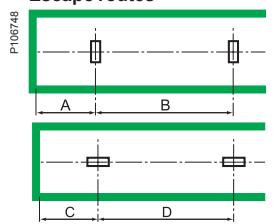
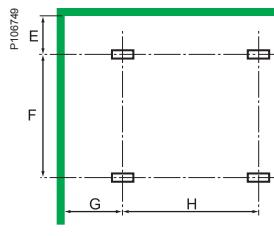
Catalogue number	Installation height for ceiling mounting (m)	Lux level directly under luminaires (lux)	Escape routes 1 Lux min. Along centreline				Area covered to obtain more than 1 Lux on the ground (m²)	Open (Anti-Panic) areas 0.5 Lux min. Luminaires arranged in a regular array				Area covered to obtain 0.5 Lux on the ground (m²)	
			A (m)	B (m)	C (m)	D (m)		E (m)	F (m)	G (m)	H (m)		
<b>Escape routes</b> 	<b>OVA34490</b> 2.00	12.83	3.76	9.61	2.91	7.18	38.98	4.27	5.57	3.42	4.24	61.88	
	2.80	6.55	4.27	10.94	3.19	8.15	47.82	4.90	6.60	3.79	4.95	77.56	
	3.00	5.70	4.37	11.23	3.22	8.33	50.88	5.04	6.82	3.85	5.10	80.33	
	3.50	4.19	4.56	11.89	3.29	8.68	50.11	5.27	7.18	3.94	5.45	93.85	
	4.00	3.21	4.56	12.44	3.27	9.00	52.36	5.41	7.65	4.02	5.82	96.40	
	4.50	2.54	4.35	12.80	3.18	9.12	51.21	5.41	9.31	4.09	7.03	102.42	
	5.00	2.05	4.20	12.92	3.03	9.24	44.63	5.46	10.41	4.09	7.77	102.27	
	5.50	1.70	4.00	12.88	2.80	9.23	45.00	5.50	11.55	4.01	8.53	99.00	
	6.00	1.43	3.64	12.65	2.45	9.13	26.78	5.52	12.66	3.88	9.23	99.07	
	6.50	1.22	3.14	12.34	1.93	8.89	25.14	5.62	12.94	3.64	9.30	94.28	
	7.00	1.05	2.07	12.06	0.98	8.58	3.64	5.85	12.59	3.04	8.98	87.47	
	<b>OVA34491</b> 2.00	14.50	3.97	9.60	3.08	7.48	40.76	4.31	5.65	3.46	4.45	62.48	
	2.80	7.40	4.35	11.30	3.40	8.58	44.90	4.61	6.68	3.71	5.22	80.47	
<b>Open (Anti-Panic) areas</b> 	<b>OVA34492</b> 2.00	27.54	4.66	11.30	3.72	8.93	60.69	5.04	6.65	4.13	5.25	85.69	
	2.80	14.05	5.50	13.44	4.27	10.37	78.14	5.77	7.80	4.60	6.19	120.71	
	3.00	12.24	5.70	13.89	4.37	10.71	78.32	5.91	8.13	4.64	6.41	127.19	
	3.50	8.99	6.00	14.93	4.56	11.42	84.74	6.15	8.77	4.79	6.92	144.87	
	4.00	6.89	5.93	15.87	4.73	12.03	82.12	6.14	9.56	5.00	7.54	154.71	
	4.50	5.44	5.92	16.40	4.83	12.50	90.37	6.19	11.77	5.14	9.19	165.68	
	5.00	4.41	5.96	16.65	4.91	12.86	91.12	6.33	13.44	5.31	10.36	172.93	
	5.50	3.64	5.95	16.62	4.91	13.11	94.50	6.45	14.91	5.41	11.47	173.25	
	6.00	3.06	5.84	16.59	4.90	13.45	88.36	6.49	16.24	5.52	12.33	182.08	
	6.50	2.61	5.70	16.71	4.81	13.58	91.13	6.47	17.62	5.54	13.35	188.55	
	7.00	2.25	5.52	16.76	4.72	13.76	72.89	6.41	18.19	5.55	13.72	185.88	
	<b>OVA34494</b> 3.00	15.10	6.15	14.85	4.71	11.65	96.40	6.18	11.15	4.85	8.58	147.27	
	4.00	8.49	6.79	16.96	5.12	13.05	119.01	6.98	12.72	5.38	9.82	190.41	
<b>OVA34495</b> 2.00	<b>OVA34493</b> 2.80	5.00	5.44	7.28	18.42	5.36	14.02	126.45	7.61	14.22	5.74	10.85	208.26
	3.00	12.24	5.70	13.89	4.37	10.71	78.32	5.91	8.13	4.64	6.41	127.19	
	3.50	8.99	6.00	14.93	4.56	11.42	84.74	6.15	8.77	4.79	6.92	144.87	
	4.00	6.89	5.93	15.87	4.73	12.03	82.12	6.14	9.56	5.00	7.54	154.71	
	4.50	5.44	5.92	16.40	4.83	12.50	90.37	6.19	11.77	5.14	9.19	165.68	
	5.00	4.41	5.96	16.65	4.91	12.86	91.12	6.33	13.44	5.31	10.36	172.93	
	5.50	3.64	5.95	16.62	4.91	13.11	94.50	6.45	14.91	5.41	11.47	173.25	
	6.00	3.06	5.84	16.59	4.90	13.45	88.36	6.49	16.24	5.52	12.33	182.08	
	6.50	2.61	5.70	16.71	4.81	13.58	91.13	6.47	17.62	5.54	13.35	188.55	
	7.00	2.25	5.52	16.76	4.72	13.76	72.89	6.41	18.19	5.55	13.72	185.88	
	<b>OVA34496</b> 3.00	10.61	6.22	16.17	3.91	9.99	90.37	6.87	9.10	4.50	5.98	149.28	
	3.50	7.79	6.38	16.91	4.06	10.48	94.76	7.13	10.02	4.72	6.48	156.72	
	4.00	5.97	6.59	17.06	4.22	10.91	110.68	7.49	10.84	4.97	6.83	174.94	
	4.50	4.71	6.86	17.38	4.27	11.21	114.47	8.16	11.28	5.27	7.10	188.27	
<b>OVA34497</b> 2.00	5.00	3.82	7.21	17.95	4.27	11.50	109.71	8.76	11.64	5.40	7.31	191.53	
	5.50	3.16	7.50	18.58	4.22	11.74	126.00	9.42	12.07	5.52	7.54	211.50	
	6.00	2.65	7.82	19.40	4.12	11.95	115.14	9.98	12.44	5.50	7.72	235.64	
	6.50	2.26	8.03	20.22	3.94	12.02	106.85	10.40	12.49	5.37	7.93	219.98	
	7.00	1.95	8.20	21.07	3.72	11.96	94.76	10.22	12.76	4.91	8.02	222.32	
	7.50	1.70	8.26	21.64	3.42	11.93	96.23	10.31	12.86	4.56	8.16	234.30	
	8.00	1.49	6.14	22.35	3.07	11.73	71.41	8.52	13.18	4.51	8.33	266.58	
	8.50	1.32	5.47	22.88	2.60	11.58	42.99	8.38	14.42	4.25	9.00	231.08	
	9.00	1.18	4.99	23.15	2.04	11.30	36.15	8.55	15.66	3.78	9.64	216.89	
	9.50	1.06	4.63	22.65	0.96	10.86	20.14	9.10	14.08	2.28	8.45	194.67	

# Spacing table

## Emergency light fittings spacing table

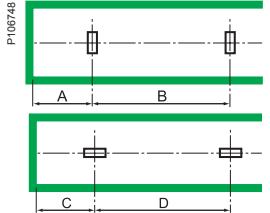
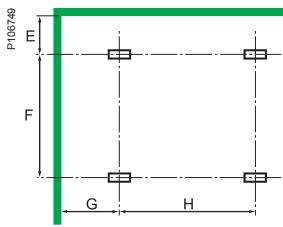
**Escape routes**


Catalogue number	Installation height for ceiling mounting	Lux level directly under luminaires	Escape routes				Area covered to obtain more than 1 Lux on the ground	Open (Anti-Panic) areas 0.5 Lux min. Luminaires arranged in a regular array				Area covered to obtain 0.5 Lux on the ground
			A	B	C	D		E	F	G	H	
OVA34652	(m)	(lux)	(m)	(m <sup>2</sup> )	(m)	(m <sup>2</sup> )	(m <sup>2</sup> )	(m)	(m <sup>2</sup> )	(m)	(m <sup>2</sup> )	
OVA34653	2.00	9.24	2.58	6.43	2.47	6.31	21.42	2.86	6.79	2.76	6.40	33.92
OVA34663	2.50	5.91	2.80	6.98	2.59	6.82	24.17	3.12	7.45	2.92	7.06	39.98
OVA38557	2.80	4.72	2.90	7.30	2.63	7.07	25.66	3.28	7.75	3.02	7.35	44.32
OVA38558	3.00	4.11	2.95	7.48	2.65	7.22	26.78	3.35	7.99	3.07	7.59	42.84
OVA38568	3.50	3.02	3.02	7.84	2.64	7.48	29.16	3.53	8.62	3.15	8.13	47.38
OVA34660	4.00	2.31	3.01	8.21	2.52	7.63	23.80	3.68	9.04	3.16	8.54	51.17
OVA34661	5.00	1.48	2.71	8.58	2.02	7.64	18.60	3.93	9.06	3.05	8.28	57.64
OVA34664	6.00	1.03	0.95	8.52	0.52	7.14	0.00	4.18	8.67	2.53	7.71	53.55
OVA38565	OVA38566	OVA38569	OVA38567	OVA34662	OVA34665	OVA38570	OVA38700	OVA38701				
OVA38565	2.00	24.02	3.50	8.58	3.36	8.34	37.49	3.56	8.68	3.44	8.25	57.12
OVA38566	2.50	15.37	3.81	9.40	3.67	9.16	45.56	3.89	9.73	3.76	9.19	69.73
OVA38569	2.80	12.25	3.96	9.80	3.82	9.65	51.32	4.06	10.14	3.93	9.71	74.64
OVA38567	3.00	10.67	4.05	10.09	3.91	9.94	54.22	4.17	10.61	4.04	10.05	81.00
OVA38566	3.50	7.84	4.28	10.73	4.06	10.48	54.67	4.45	11.23	4.24	10.78	90.20
OVA38569	4.00	6.00	4.48	11.32	4.18	11.01	61.88	4.72	12.00	4.43	11.42	103.54
OVA38567	5.00	3.84	4.74	12.24	4.27	11.71	63.22	5.13	13.13	4.67	12.54	111.57
OVA38566	6.00	2.67	4.86	12.93	4.20	12.21	74.98	5.45	14.12	4.78	13.52	136.56
OVA38569	6.50	2.27	4.85	13.29	4.06	12.29	62.85	5.62	14.83	4.78	13.96	131.99
OVA38567	7.00	1.96	4.77	13.46	3.88	12.39	58.31	5.74	15.21	4.77	14.32	127.56
OVA38566	7.50	1.71	4.64	13.69	3.66	12.37	62.76	5.90	14.10	4.75	13.16	133.88
OVA34662	OVA38567	OVA34660	OVA34661	OVA34664	OVA34665	OVA38570	OVA38700	OVA38701				
OVA34662	2.00	38.21	4.10	9.90	3.93	9.54	51.17	4.03	9.96	3.88	9.45	75.57
OVA38567	2.50	24.46	4.46	10.91	4.29	10.60	62.29	4.46	11.13	4.30	10.47	95.76
OVA34660	2.80	19.50	4.71	11.48	4.48	11.11	69.39	4.66	11.70	4.46	11.18	100.30
OVA34661	3.00	16.98	4.80	11.84	4.62	11.47	74.31	4.79	12.09	4.63	11.42	109.79
OVA34664	3.50	12.48	5.09	12.56	4.86	12.19	80.18	5.11	13.12	4.91	12.44	123.92
OVA34665	4.00	9.55	5.36	13.25	5.07	12.87	94.02	5.38	13.98	5.12	13.25	141.62
OVA38570	5.00	6.11	5.80	14.48	5.36	13.89	102.27	5.89	15.38	5.48	14.67	163.64
OVA34662	6.00	4.25	6.11	15.43	5.50	14.62	107.11	6.36	16.57	5.78	15.84	174.05
OVA34661	6.50	3.62	6.22	15.84	5.50	14.95	100.56	6.57	17.25	5.87	16.36	188.55
OVA34664	7.00	3.12	6.30	16.32	5.47	15.21	116.63	6.75	17.73	5.92	16.82	207.74
OVA34665	7.50	2.72	6.29	16.59	5.40	15.33	121.33	6.88	18.44	5.97	17.35	217.56
OVA38570	OVA34665	OVA34662	OVA34661	OVA34664	OVA34665	OVA38570	OVA38700	OVA38701				
OVA34662	2.00	31.47	3.88	9.37	3.68	9.04	47.31	3.88	9.55	3.70	8.95	67.83
OVA34661	2.50	20.14	4.24	10.37	4.04	10.03	56.25	4.25	10.58	4.07	9.96	81.82
OVA34664	2.80	16.06	4.44	10.87	4.23	10.53	62.98	4.44	11.21	4.25	10.59	94.47
OVA34665	3.00	13.99	4.53	11.17	4.32	10.83	60.92	4.58	11.53	4.39	10.91	97.74
OVA38570	3.50	10.28	4.82	11.88	4.56	11.48	72.89	4.86	12.52	4.63	11.74	110.25
OVA34662	4.00	7.87	5.03	12.50	4.73	12.09	76.17	5.12	13.35	4.84	12.57	126.15
OVA34661	5.00	5.04	5.41	13.58	4.96	12.97	92.98	5.62	14.69	5.19	13.88	148.76
OVA34664	6.00	3.50	5.64	14.49	4.99	13.62	85.69	6.05	15.77	5.41	14.95	160.66
OVA34665	6.50	2.98	5.70	14.89	4.94	13.82	100.56	6.20	16.28	5.44	15.45	166.56
OVA38570	7.00	2.57	5.72	15.21	4.86	14.00	102.05	6.37	16.92	5.49	15.92	182.23
OVA34662	7.50	2.24	5.70	15.53	4.73	14.11	83.68	6.53	17.42	5.50	16.26	175.72
OVA34661	OVA38700	OVA34660	OVA34661	OVA34664	OVA34665	OVA38570	OVA38700	OVA38701				
OVA34660	2.00	7.08	3.54	8.88	2.36	6.07	29.16	4.23	5.21	3.00	3.66	49.69
OVA34661	2.50	4.53	3.74	9.66	2.46	6.49	33.01	4.47	5.75	3.11	4.02	58.11
OVA34664	2.80	3.61	3.75	10.05	2.46	6.67	32.07	4.56	6.07	3.16	4.17	59.48
OVA34665	3.00	3.15	3.74	10.29	2.45	6.75	30.12	4.59	6.29	3.18	4.27	60.92
OVA38700	3.50	2.31	3.56	10.58	2.34	6.91	30.98	4.60	6.72	3.19	4.46	64.69
OVA34662	3.80	1.96	3.42	10.61	2.24	6.93	25.78	4.61	7.52	3.19	4.99	63.37
OVA34661	4.00	1.77	3.33	10.57	2.13	6.92	23.80	4.62	8.12	3.14	5.33	63.07
OVA34664	4.20	1.61	3.22	10.47	2.03	6.89	26.24	4.63	8.77	3.09	5.79	60.36
OVA34665	4.50	1.40	3.04	10.35	1.80	6.81	18.07	4.73	9.23	3.00	6.03	66.27
OVA38701	5.00	1.13	2.55	10.00	1.18	6.59	14.88	4.96	8.70	2.56	5.61	59.50
OVA34662	2.00	11.12	4.06	10.04	2.80	7.00	41.06	4.73	6.07	3.42	4.19	66.05
OVA34661	2.50	7.12	4.42	11.10	2.95	7.59	46.02	5.17	6.51	3.62	4.60	78.56
OVA34664	2.80	5.67	4.57	11.61	3.03	7.89	48.98	5.34	6.84	3.71	4.85	82.81
OVA34665	3.00	4.94	4.62	11.97	3.05	8.04	52.21	5.41	7.07	3.75	4.99	85.69
OVA38700	3.50	3.63	4.73	12.57	3.10	8.34	50.11	5.57	7.59	3.82	5.29	92.94
OVA34662	3.80	3.08	4.69	12.90	3.08	8.52	47.26	5.64	7.88	3.87	5.43	94.52
OVA34661	4.00	1.78	4.20	13.27	2.69	8.73	39.05	5.70	9.88	3.83	6.51	98.55
OVA34664	4.20	2.52	4.54	13.12	3.00	8.62	48.55	5.65	8.24	3.90	5.58	102.34
OVA34665	4.50	2.20	4.42	13.22	2.89	8.69	46.69	5.64	8.61	3.86	5.76	100.92
OVA38701	5.00	1.78	4.20	13.27	2.69	8.73	39.05	5.70	9.88	3.83	6.51	98.55
OVA34662	5.50	1.47	3.89	13.05	2.36	8.63	45.00	5.72	11.46	3.67	7.56	99.00
OVA34661	6.00	1.24	3.50	12.70	1.86	8.44	21.42	5.89	11.96	3.37	7.81	96.40

Catalogue number	Installation height for ceiling mounting (m)	Lux level directly under luminaires (lux)	Escape routes 1 Lux min. Along centreline				Area covered to obtain more than 1 Lux on the ground (m <sup>2</sup> )	Open (Anti-Panic) areas 0.5 Lux min. Luminaires arranged in a regular array				Area covered to obtain 0.5 Lux on the ground (m <sup>2</sup> )	
			A (m)	B (m)	C (m)	D (m)		E (m)	F (m)	G (m)	H (m)		
<b>Escape routes</b> 	<b>OVA38702</b>	2.00	19.21	4.66	11.70	3.36	8.16	58.61	5.28	7.34	3.95	4.85	88.96
		2.50	12.30	5.18	12.95	3.60	9.02	69.27	5.92	7.81	4.27	5.39	109.25
		2.80	9.80	5.44	13.61	3.75	9.41	74.64	6.20	8.02	4.43	5.71	116.05
		3.00	8.54	5.58	14.06	3.81	9.65	81.67	6.41	8.24	4.53	5.85	122.50
		3.50	6.27	5.94	15.02	3.96	10.19	82.92	6.75	8.77	4.66	6.28	140.32
		3.80	5.32	6.02	15.50	4.00	10.41	90.22	6.92	9.17	4.77	6.48	143.92
		4.00	4.80	6.10	15.79	4.04	10.57	90.45	6.98	9.31	4.78	6.62	152.33
		4.20	4.36	6.17	16.05	4.06	10.75	87.91	7.10	9.55	4.84	6.75	162.70
		4.50	3.80	6.19	16.41	4.05	10.92	88.87	7.16	9.87	4.85	6.90	165.68
		5.00	3.07	6.17	16.98	4.05	11.16	81.82	7.26	10.37	4.93	7.11	163.64
		5.50	2.54	6.00	17.35	3.96	11.34	83.25	7.24	10.79	4.95	7.33	177.75
		6.00	2.13	5.74	17.46	3.79	11.44	66.94	7.27	11.46	4.96	7.71	174.05
		7.00	1.57	5.27	17.29	3.26	11.39	72.89	7.35	14.44	4.74	9.51	160.36
		8.00	1.20	4.48	16.64	2.29	11.00	38.08	7.68	15.23	4.18	9.97	166.61
<b>Open (Anti-Panic) areas</b> 	<b>OVA38703</b>	2.00	35.42	5.21	12.88	3.88	9.31	77.65	5.59	7.73	4.29	5.55	110.38
		2.50	22.67	5.82	14.22	4.24	10.31	91.12	6.20	8.58	4.66	6.17	135.28
		2.80	18.07	6.07	15.08	4.44	10.82	97.97	6.47	8.88	4.86	6.58	152.20
		3.00	15.74	6.29	15.53	4.53	11.11	107.78	6.68	9.23	4.95	6.80	157.31
		3.50	11.57	6.65	16.49	4.73	11.83	114.81	7.14	9.88	5.22	7.24	181.32
		3.80	9.81	6.86	17.07	4.86	12.16	120.29	7.30	10.56	5.32	7.82	190.11
		4.00	8.85	6.93	17.45	4.90	12.38	127.34	7.51	10.42	5.45	7.67	199.93
		4.20	8.03	6.99	17.71	4.96	12.63	129.89	7.60	10.80	5.54	7.98	213.87
		4.50	7.00	7.13	18.35	5.04	12.91	132.55	7.79	11.54	5.65	8.50	212.37
		5.00	5.67	7.34	18.91	5.18	13.27	141.32	8.11	12.19	5.86	8.79	232.44
		5.50	4.68	7.50	19.54	5.27	13.65	150.75	8.30	13.99	5.97	10.10	247.50
		6.00	3.94	7.54	20.07	5.31	13.93	139.24	8.51	14.80	6.13	10.57	259.74
		7.00	2.89	7.57	20.95	5.32	14.37	160.36	8.83	16.26	6.36	11.46	276.99
		8.00	2.21	7.46	21.53	5.20	14.79	114.25	9.06	17.82	6.46	12.49	309.42
		9.00	1.75	7.03	21.64	4.84	14.91	120.50	9.18	18.79	6.47	13.18	265.09
		10.00	1.42	6.31	21.64	4.14	14.87	59.50	9.23	19.93	6.23	13.96	327.27
		11.00	1.17	4.90	21.34	3.00	14.63	36.00	9.17	21.56	5.81	15.03	243.00
<b>A and E: Transverse spacing to wall B and F: Transverse spacing between luminaires C and G: Axial spacing to wall D and H: Axial spacing between luminaires</b>	<b>OVA38709</b> <b>OVA38710</b>	2.00	6.44	3.84	9.20	2.11	5.41	33.62	4.84	5.28	2.88	3.33	50.28
		2.50	4.12	4.33	10.37	2.15	5.78	38.12	5.59	5.96	3.03	3.61	61.36
<b>OVA38730</b> <b>OVA38731</b>	<b>OVA38730</b> <b>OVA38731</b>	2.80	3.29	4.57	11.11	2.15	5.93	38.49	5.93	6.29	3.06	3.75	65.89
		3.00	2.86	4.71	11.53	2.14	6.03	37.49	6.04	6.58	3.02	3.81	70.29
		3.50	2.10	4.13	12.50	1.98	6.06	29.16	5.75	7.18	3.02	4.00	76.54
		3.80	1.79	4.26	12.91	1.81	6.05	29.00	5.94	7.46	2.81	4.08	73.04
		4.00	1.61	4.37	13.12	1.72	6.03	27.37	6.07	7.68	2.69	4.12	74.98
		4.20	1.46	3.02	13.12	1.61	5.99	26.24	5.04	7.90	2.92	4.17	74.79
		4.50	1.27	2.89	13.04	1.33	5.90	19.58	5.24	8.20	2.68	4.21	78.32
		5.00	1.03	1.22	12.36	0.17	5.54	9.30	6.89	8.66	1.41	4.21	59.50
		2.00	4.98	2.43	6.50	2.09	5.46	15.77	2.88	5.31	2.55	4.40	28.86
		2.50	3.19	2.41	6.82	2.10	5.80	15.81	2.96	7.21	2.64	6.01	31.61
<b>OVA38740</b>	<b>OVA38740</b>	2.80	2.54	2.35	6.92	2.05	5.90	16.33	2.99	7.46	2.68	6.25	33.24
		3.00	2.22	2.28	6.93	2.00	5.95	13.39	3.00	7.66	2.70	6.45	33.47
		3.50	1.63	2.02	6.88	1.76	5.98	10.93	3.00	8.03	2.68	6.80	32.80
		4.00	1.25	1.58	6.62	1.32	5.81	4.76	2.96	8.45	2.56	7.18	33.32
		2.00	15.44	3.65	8.93	3.23	7.69	37.49	3.41	5.27	3.78	5.94	57.12
		2.50	9.88	3.92	9.81	3.47	8.41	42.77	3.68	6.30	4.10	7.11	66.94
		2.80	7.88	4.04	10.21	3.58	8.80	45.49	3.82	7.16	4.24	8.21	74.06
		3.00	6.86	4.13	10.50	3.64	9.03	45.52	3.87	8.06	4.32	9.11	74.98
		3.50	5.04	4.25	10.99	3.75	9.51	48.29	4.04	8.72	4.50	9.90	85.65
		4.00	3.86	4.25	11.43	3.76	9.93	49.98	4.15	9.96	4.62	11.35	89.26
<b>OVA38745</b> <b>OVA38746</b>	<b>OVA38745</b> <b>OVA38746</b>	4.50	3.05	4.20	11.78	3.74	10.18	48.20	4.27	10.77	4.72	12.33	96.40
		5.00	2.47	4.12	11.92	3.67	10.36	48.35	4.29	11.35	4.76	12.93	96.69
		6.00	1.72	3.64	11.95	3.22	10.43	32.13	4.31	11.98	4.80	13.70	96.40
		7.00	1.26	2.65	11.64	2.41	10.17	14.58	4.24	12.51	4.62	14.26	102.05
		2.00	34.75	4.60	10.92	4.06	9.55	58.61	4.68	6.54	4.18	5.79	88.36
		2.50	22.24	5.07	12.30	4.51	10.55	72.06	5.07	7.37	4.56	6.60	110.18
		2.80	17.73	5.32	12.96	4.71	11.18	80.47	5.27	8.91	4.72	7.93	117.79
		3.00	15.44	5.47	13.40	4.85	11.54	84.35	5.43	8.80	4.87	7.85	128.53
		3.50	11.35	5.71	14.35	5.09	12.26	92.94	5.74	10.00	5.17	8.88	143.05
		4.00	8.69	5.99	15.05	5.31	12.94	99.97	6.01	11.81	5.39	10.31	164.23
<b>OVA38747</b> <b>OVA38748</b>	<b>OVA38747</b> <b>OVA38748</b>	4.50	6.86	6.19	15.75	5.46	13.54	102.42	6.23	13.67	5.55	12.14	168.69
		5.00	5.56	6.29	16.32	5.60	14.03	115.29	6.42	13.96	5.77	12.32	187.81
		6.00	3.86	6.38	17.14	5.64	14.89	112.46	6.68	16.91	5.97	14.90	200.83
		7.00	2.84	6.30	17.68	5.57	15.42	116.63	6.86	18.94	6.12	16.79	225.97
		8.00	2.17	5.97	18.01	5.35	15.66	95.21	6.95	19.75	6.27	17.42	218.98
		9.00	1.72	5.46	17.92	4.84	15.65	72.30	6.95	20.56	6.21	18.02	216.89
		10.00	1.39	4.61	17.69	4.14	15.49	59.50	6.80	21.10	6.16	18.70	230.58
		11.00	1.15	3.15	17.19	2.90	14.98	36.00	6.55	21.70	6.06	19.09	180.00

# Spacing table

## Emergency light fittings spacing table

**Escape routes****Open (Anti-Panic) areas**

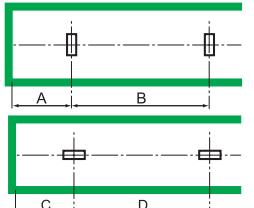
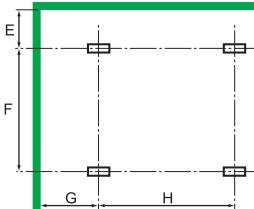
A and E: Transverse spacing to wall

B and F: Transverse spacing between luminaires

C and G: Axial spacing to wall

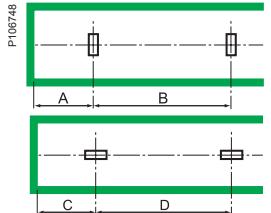
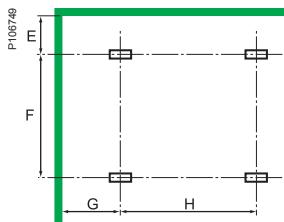
D and H: Axial spacing between luminaires

Catalogue number	Installation height for ceiling mounting	Lux level directly under luminaires	Escape routes				Area covered to obtain more than 1 Lux on the ground	Open (Anti-Panic) areas 0.5 Lux min. Luminaires arranged in a regular array				Area covered to obtain 0.5 Lux on the ground	
			A	B	C	D		E	F	G	H		
OVA38750 OVA38751	(m)	(lux)	A	B	C	D	(m <sup>2</sup> )	E	F	G	H	(m <sup>2</sup> )	
			2.00	53.62	4.77	11.14	4.66	11.07	65.75	4.43	10.82	4.34	10.55
			2.50	34.32	5.30	12.46	5.13	12.38	80.42	4.89	12.25	4.75	11.97
			2.80	27.36	5.56	13.19	5.38	13.04	90.39	5.13	12.99	4.98	12.71
			3.00	23.83	5.70	13.64	5.53	13.40	97.74	5.28	13.41	5.13	13.13
			3.50	17.51	6.00	14.60	5.88	14.35	108.43	5.57	14.46	5.47	14.17
			4.00	13.40	6.34	15.45	6.16	15.05	116.63	5.90	15.48	5.74	15.01
			4.50	10.59	6.61	16.16	6.43	15.75	129.53	6.20	16.35	6.04	15.87
			5.00	8.58	6.82	16.81	6.64	16.48	141.32	6.41	17.22	6.25	16.55
			6.00	5.96	7.09	17.96	6.84	17.63	139.24	6.84	18.83	6.62	18.15
			7.00	4.38	7.19	18.92	7.00	18.50	160.36	7.15	19.96	6.98	19.47
			8.00	3.35	7.20	19.50	7.02	18.99	152.33	7.33	21.12	7.15	20.42
			9.00	2.65	7.10	19.91	6.84	19.47	144.60	7.57	22.06	7.32	21.35
			10.00	2.14	6.81	20.09	6.56	19.74	119.01	7.64	23.09	7.38	22.37
			11.00	1.77	6.35	20.16	6.10	19.72	108.00	7.71	23.92	7.42	23.18
			12.00	1.49	5.66	20.05	5.41	19.61	128.53	7.59	24.85	7.27	23.88
			14.00	1.09	3.10	18.98	2.85	18.45	58.31	7.33	26.07	6.77	25.30
			13.00	1.27	4.67	19.68	4.41	19.06	50.28	7.43	25.50	7.05	24.52
OVA38752	2.00 2.50 2.80 3.00 3.50 4.00 4.50 5.00	(lux)	2.00	7.05	2.56	6.91	2.43	6.04	20.53	3.07	4.10	2.93	3.70
			2.50	4.51	2.68	7.47	2.50	6.55	23.24	3.29	4.46	3.10	4.06
			2.80	3.59	2.68	7.69	2.52	6.76	22.16	3.33	4.61	3.16	4.21
			3.00	3.13	2.68	7.80	2.50	6.87	22.76	3.39	4.71	3.19	4.31
			3.50	2.30	2.59	8.03	2.43	7.00	20.05	3.44	5.06	3.25	4.64
			4.00	1.76	2.38	8.09	2.22	6.99	16.66	3.45	6.07	3.25	5.65
			4.50	1.39	2.00	7.94	1.86	6.94	12.05	3.41	6.97	3.21	6.45
			5.00	1.13	1.29	7.68	1.22	6.71	7.44	3.26	8.79	3.11	8.10
			2.00	28.32	4.10	10.87	3.68	9.04	53.85	4.48	6.25	4.07	5.25
			2.50	18.13	4.42	11.74	4.08	10.03	62.29	4.83	6.87	4.50	5.86
OVA38758	2.80 3.00 3.50 4.00 4.50 5.00	(lux)	2.80	14.45	4.61	12.24	4.27	10.53	70.56	5.01	7.20	4.67	6.19
			3.00	12.59	4.71	12.61	4.37	10.83	69.62	5.17	7.43	4.82	6.41
			3.50	9.25	4.95	13.27	4.56	11.54	81.09	5.45	7.86	5.05	6.84
			4.00	7.08	5.17	13.97	4.73	12.14	83.31	5.66	8.20	5.22	7.27
			4.50	5.59	5.32	14.52	4.87	12.74	90.37	5.86	8.55	5.41	7.69
			5.00	4.53	5.46	15.00	4.96	13.15	92.98	6.04	8.84	5.53	8.06
			6.00	3.15	5.50	15.67	4.90	13.68	91.04	6.28	10.60	5.66	9.73
			7.00	2.31	5.32	16.05	4.77	14.06	80.18	6.34	14.03	5.73	12.82
			8.00	1.77	4.85	16.15	4.34	14.09	66.64	6.36	15.80	5.74	14.35
			9.00	1.40	4.01	15.93	3.68	13.87	54.22	6.16	18.17	5.70	16.54
OVA38775 OVA38776	10.00 10.62 12.00 13.00 14.00 15.00 16.00 17.00 18.00 19.00	(lux)	10.00	1.13	2.63	15.28	2.35	13.49	29.75	6.02	19.17	5.43	17.31
			10.62	10.62	4.01	9.84	2.75	6.83	38.08	4.63	5.89	3.34	4.14
			12.00	5.42	4.48	11.36	2.98	7.64	46.65	5.13	6.76	3.57	4.80
			13.00	4.72	4.53	11.59	3.00	7.82	46.19	5.20	6.98	3.61	4.89
			14.00	3.47	4.60	12.25	3.02	8.13	42.82	5.32	7.51	3.66	5.19
			15.00	2.65	4.48	12.56	2.96	8.29	45.22	5.36	8.02	3.71	5.41
			16.00	2.10	4.27	12.74	2.81	8.36	36.15	5.35	8.96	3.70	6.01
			17.00	1.70	4.05	12.64	2.58	8.32	37.19	5.40	10.29	3.61	6.85
			18.00	1.40	3.71	12.39	2.25	8.22	22.50	5.41	11.58	3.48	7.65
			19.00	1.18	3.26	12.11	1.66	7.98	18.74	5.62	11.33	3.11	7.40
OVA38777 OVA38778	2.00 2.80 3.00 3.50 4.00 4.50 5.00 5.50 6.00 6.50	(lux)	2.00	13.27	4.24	10.43	2.99	7.33	46.12	4.81	6.44	3.54	4.39
			2.80	6.77	4.85	12.15	3.28	8.26	53.65	5.53	7.20	3.90	5.11
			3.00	5.90	4.94	12.44	3.30	8.45	56.23	5.61	7.43	3.92	5.26
			3.50	4.33	5.14	13.23	3.38	8.80	59.23	5.83	7.95	4.00	5.61
			4.00	3.32	5.17	13.72	3.39	9.12	54.74	5.91	8.48	4.04	5.89
			4.50	2.62	5.00	14.13	3.30	9.28	55.73	5.96	8.93	4.11	6.09
			5.00	2.12	4.79	14.28	3.15	9.37	44.63	5.94	9.75	4.09	6.54
			5.50	1.75	4.57	14.21	2.92	9.31	45.00	5.97	11.25	4.00	7.50
			6.00	1.47	4.28	14.00	2.61	9.21	32.13	6.04	12.28	3.88	8.11
			6.50	1.26	3.87	13.65	2.14	9.02	25.14	6.14	12.98	3.62	8.47
OVA38784	7.00 7.20 7.50 8.00 8.50 9.00 9.50 10.00 10.50 11.00	(lux)	7.00	1.08	3.23	13.23	1.39	8.71	7.29	6.34	11.95	3.02	7.76
			7.20	15.35	6.22	15.44	4.53	11.17	106.44	6.73	9.10	5.04	6.80
			7.50	8.64	6.86	17.46	4.90	12.44	127.34	7.48	10.42	5.48	7.67
			8.00	5.53	7.28	19.01	5.13	13.27	141.32	8.10	11.91	5.86	8.69
			8.50	4.90	7.33	21.43	5.20	14.79	114.25	9.08	16.52	6.58	11.69
			9.00	4.17	7.13	21.57	5.01	14.91	128.98	9.17	17.24	6.59	12.15
			9.50	3.53	6.91	21.65	4.79	14.97	120.50	9.16	18.47	6.50	13.08
			10.00	2.97	6.56	21.34	2.95	14.44	39.35	9.23	19.14	6.43	13.49
			10.50	2.46	7.43	21.23	5.30	14.61	150.62	9.18	20.80	6.24	14.61
			11.00	1.94	4.56	21.34	2.95	14.70	36.00	9.11	21.79	6.07	15.34

	Catalogue number	Installation height for ceiling mounting (m)	Lux level directly under luminaires (lux)	Escape routes 1 Lux min. Along centreline				Area covered to obtain more than 1 Lux on the ground (m <sup>2</sup> )	Open (Anti-Panic) areas 0.5 Lux min. Luminaires arranged in a regular array				Area covered to obtain 0.5 Lux on the ground (m <sup>2</sup> )
				A (m)	B (m)	C (m)	D (m)		E (m)	F (m)	G (m)	H (m)	
<b>Escape routes</b> 	<b>OVA38864</b>	2.00	3.17	2.73	6.79	1.58	4.35	16.66	3.76	4.39	2.38	2.70	28.56
	OVA38865	2.50	2.03	2.98	7.60	1.41	4.46	12.55	4.15	4.60	2.23	2.88	29.75
	OVA38866	2.80	1.62	3.00	8.04	1.26	4.41	13.41	4.12	4.71	2.02	2.98	32.66
	OVA38867	3.00	1.41	2.10	8.31	1.11	4.34	8.70	3.40	4.85	2.03	3.03	36.15
		3.50	1.03	0.92	8.45	0.45	4.04	2.73	3.41	6.11	1.91	3.68	27.33
	<b>OVA38868</b>	2.00	5.28	3.17	8.11	2.02	5.26	26.78	3.96	5.21	2.70	3.26	40.46
	OVA38869	2.50	3.38	3.47	8.71	2.04	5.58	26.50	4.60	5.62	2.91	3.50	44.63
	OVA38870	2.80	2.69	3.65	9.14	2.00	5.67	29.16	4.93	5.81	2.93	3.62	53.07
	OVA38871	3.00	2.35	3.77	9.47	1.93	5.74	25.44	5.13	5.89	2.87	3.67	53.55
	OVA38872	3.50	1.72	3.89	10.25	1.69	5.72	20.96	5.22	6.00	2.55	3.86	53.76
	OVA38873	4.00	1.32	2.57	10.87	1.32	5.55	10.71	4.22	6.81	2.41	4.24	57.12
	OVA38874	4.50	1.04	1.25	10.92	0.63	5.25	4.52	4.21	7.81	2.38	4.69	45.19
	<b>OVA38875</b>	2.00	7.39	3.54	9.49	2.32	5.96	30.35	4.21	5.65	2.94	3.62	49.98
	OVA38876	2.50	4.73	3.81	9.76	2.41	6.34	37.66	4.74	6.27	3.18	3.94	59.97
	OVA38877	2.80	3.77	4.04	10.05	2.41	6.50	35.57	5.17	6.52	3.29	4.09	59.48
	OVA38878	3.00	3.29	4.13	10.34	2.41	6.61	37.49	5.37	6.66	3.34	4.18	64.26
<b>Open (Anti-Panic) areas</b> 	<b>OVA38879</b>	3.50	2.41	4.44	11.10	2.29	6.76	35.54	5.94	6.94	3.31	4.38	78.36
		4.00	1.85	4.60	11.87	2.08	6.77	30.94	6.06	7.07	3.02	4.54	71.41
		4.50	1.46	3.33	12.57	1.75	6.66	22.59	4.96	7.34	2.85	4.64	84.35
		5.00	1.18	2.80	13.04	1.27	6.43	14.88	4.97	8.57	2.53	5.33	70.66
	<b>OVA38880</b>	2.00	10.56	4.10	10.86	2.63	6.72	40.46	4.77	6.07	3.24	4.00	66.64
	OVA38881	2.50	6.76	4.29	11.43	2.80	7.21	44.63	5.04	6.96	3.47	4.46	72.52
	OVA38882	2.80	5.39	4.44	11.48	2.85	7.43	53.07	5.33	7.29	3.60	4.65	79.89
	OVA38883	3.00	4.69	4.58	11.65	2.90	7.58	53.55	5.58	7.52	3.72	4.75	86.36
		3.50	3.45	4.91	12.19	2.89	7.88	53.76	6.23	7.95	3.87	4.99	87.47
		4.00	2.64	5.21	13.00	2.80	8.04	57.12	6.86	8.20	3.92	5.16	107.11
		4.50	2.09	5.41	13.80	2.62	8.10	45.19	7.24	8.37	3.77	5.36	100.92
		5.00	1.69	5.50	14.50	2.36	8.06	42.77	7.13	8.57	3.34	5.50	105.99
		5.50	1.40	3.82	15.16	2.00	7.92	29.25	5.77	8.96	3.26	5.70	119.25
		6.00	1.17	3.33	15.58	1.50	7.68	21.42	5.88	10.26	2.92	6.39	101.75
	<b>OVA38884</b>	2.00	13.79	4.55	11.54	2.97	7.33	47.01	4.59	6.44	3.17	4.34	76.46
	OVA38885	2.50	8.83	4.85	12.53	3.23	8.04	55.79	4.96	7.36	3.47	4.81	88.79
	OVA38886	2.80	7.04	4.95	12.96	3.34	8.38	58.90	5.11	7.91	3.61	5.06	95.05
	OVA38887	3.00	6.13	5.04	13.17	3.42	8.61	62.26	5.17	8.24	3.67	5.20	101.08
<b>OVA38888</b> 		3.50	4.50	5.34	13.66	3.53	9.04	68.34	5.46	8.66	3.78	5.56	110.25
		4.00	3.45	5.66	14.14	3.63	9.37	69.02	5.68	9.09	3.83	5.83	119.01
		4.50	2.72	5.86	14.76	3.61	9.65	70.79	5.97	9.54	3.87	6.09	129.53
		5.00	2.21	6.07	15.48	3.50	9.79	65.08	6.25	9.71	3.82	6.36	139.46
		5.50	1.82	6.16	16.09	3.27	9.87	58.50	6.45	9.82	3.66	6.57	137.25
		6.00	1.53	4.52	16.60	2.93	9.85	50.88	5.95	10.09	4.03	6.74	141.92
		7.00	1.13	4.00	15.93	1.97	9.45	21.87	6.51	10.68	3.47	6.96	131.21
	<b>OVA38889</b>	2.00	23.88	5.42	13.00	3.50	8.53	69.92	5.38	7.09	3.65	5.04	101.16
	OVA38890	2.50	15.28	5.89	14.74	3.85	9.45	82.75	5.81	8.18	3.97	5.58	127.38
		2.80	12.18	6.14	15.60	4.00	9.95	87.47	6.10	8.88	4.14	5.90	138.20
		3.00	10.61	6.29	16.05	4.09	10.24	92.38	6.22	9.23	4.22	6.12	147.27
		3.50	7.80	6.45	16.80	4.32	10.83	99.32	6.46	10.16	4.50	6.55	164.01
		4.00	5.97	6.66	17.35	4.52	11.37	109.49	6.66	10.84	4.68	6.90	176.13
		4.50	4.72	6.93	17.95	4.62	11.78	117.48	6.92	11.42	4.78	7.24	189.78
		5.00	3.82	7.28	18.42	4.74	12.13	117.15	7.20	11.78	4.87	7.60	200.83
<b>OVA38890</b> 		5.50	3.16	7.57	18.86	4.78	12.49	121.50	7.46	12.21	4.90	7.83	211.50
		6.00	2.65	7.75	19.49	4.77	12.76	125.85	7.73	12.58	4.95	8.08	227.60
		7.00	1.95	8.05	20.96	4.42	13.00	102.05	8.22	12.89	4.73	8.54	236.90
		8.00	1.49	5.92	22.03	3.77	12.97	80.93	7.73	13.31	5.11	8.94	252.30
		9.00	1.18	5.35	21.75	2.84	12.56	48.20	8.25	13.86	4.61	9.14	240.99
		9.50	1.06	2.68	20.42	1.85	12.23	33.56	7.24	15.58	5.15	10.22	221.52
	<b>OVA38890</b>	2.00	14.41	4.66	11.63	3.02	7.52	50.58	5.44	6.54	3.71	4.45	79.14
		2.50	9.22	4.91	12.70	3.23	8.16	58.57	5.80	7.47	3.99	4.91	92.98
		2.80	7.35	5.00	13.11	3.34	8.54	60.65	5.92	8.02	4.12	5.17	101.47
		3.00	6.40	5.09	13.40	3.39	8.73	61.59	5.98	8.36	4.15	5.31	101.75
		3.50	4.71	5.39	13.96	3.47	9.12	71.07	6.28	8.89	4.22	5.67	114.81
		3.80	3.99	5.58	14.22	3.48	9.30	75.18	6.50	9.06	4.24	5.86	120.29
		4.00	3.60	5.71	14.43	3.48	9.45	71.41	6.60	9.31	4.21	5.94	123.77
		4.20	3.27	5.83	14.55	3.46	9.58	73.48	6.82	9.43	4.25	6.07	123.33
		4.50	2.85	5.97	14.91	3.39	9.65	78.32	7.08	9.65	4.23	6.21	135.56
		5.00	2.31	6.12	15.70	3.25	9.83	63.22	7.57	9.81	4.25	6.36	145.04
		5.50	1.91	6.27	16.31	3.02	9.82	58.50	8.13	10.03	4.17	6.51	144.00
		6.00	1.60	4.77	16.91	2.55	9.72	53.55	8.20	10.19	4.61	6.68	144.60
		7.00	1.18	4.16	16.91	1.52	9.27	29.16	8.99	10.78	3.60	6.84	138.50

# Spacing table

## Emergency light fittings spacing table

**Escape routes****Open (Anti-Panic) areas**

A and E: Transverse spacing to wall

B and F: Transverse spacing between luminaires

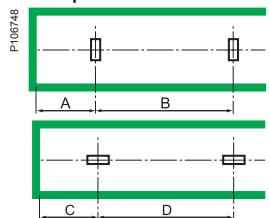
C and G: Axial spacing to wall

D and H: Axial spacing between luminaires

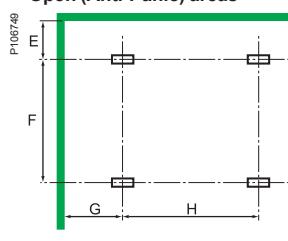
Catalogue number	Installation height for ceiling mounting	Lux level directly under luminaires	Escape routes				Area covered to obtain more than 1 Lux on the ground	Open (Anti-Panic) areas 0.5 Lux min. Luminaires arranged in a regular array				Area covered to obtain 0.5 Lux on the ground		
			A	B	C	D		E	F	G	H			
OVA3891	(m)	(lux)	A	B	C	D	(m <sup>2</sup> )	E	F	G	H	(m <sup>2</sup> )		
			2.00	26.69	5.57	13.42	3.65	8.88	76.76	6.34	7.21	4.32	5.18	109.49
			2.50	17.08	6.11	15.17	4.00	9.81	87.40	6.94	8.31	4.71	5.79	132.95
			2.80	13.62	6.36	16.16	4.15	10.31	90.97	7.31	9.02	4.94	6.12	150.45
			3.00	11.86	6.51	16.60	4.24	10.61	95.06	7.50	9.37	5.07	6.33	157.98
			3.50	8.71	6.72	17.44	4.44	11.31	105.69	7.82	10.31	5.33	6.84	171.30
			3.80	7.39	6.86	17.80	4.53	11.59	111.70	7.88	10.88	5.38	7.05	186.88
			4.00	6.67	6.86	18.07	4.56	11.86	114.25	7.98	11.14	5.47	7.19	183.27
			4.20	6.05	6.99	18.43	4.62	12.00	120.71	8.01	11.54	5.47	7.40	191.56
			4.50	5.27	7.20	18.66	4.70	12.27	125.01	8.14	11.72	5.49	7.54	198.82
			5.00	4.27	7.48	19.11	4.74	12.57	137.60	8.53	12.22	5.59	7.90	215.70
			5.50	3.53	7.78	19.64	4.70	12.88	130.50	8.91	12.65	5.58	8.21	229.50
			6.00	2.97	8.04	20.07	4.65	13.10	144.60	9.32	13.02	5.60	8.39	240.99
			7.00	2.18	8.42	21.56	4.33	13.40	123.92	10.36	13.45	5.58	8.78	276.99
			8.00	1.67	8.50	22.75	3.65	13.31	104.73	11.50	13.72	5.22	9.02	266.58
			9.00	1.32	5.96	23.46	2.67	12.96	84.35	11.81	14.40	5.56	9.30	289.19
			10.00	1.07	2.87	21.57	1.32	12.26	44.63	10.25	14.97	4.97	9.39	238.02
OVA38932	(m)	(lux)	2.00	10.30	2.70	6.97	2.75	6.89	23.21	2.98	4.54	3.02	4.54	36.30
			2.50	6.59	2.85	7.52	2.90	7.45	25.57	3.17	5.63	3.22	5.65	41.84
			2.80	5.26	2.90	7.78	2.95	7.74	28.57	3.28	5.93	3.33	5.95	47.82
			3.00	4.58	2.92	7.93	2.97	7.85	29.45	3.32	6.76	3.37	6.79	48.87
			3.50	3.36	2.91	8.23	2.96	8.16	29.16	3.42	7.64	3.48	7.69	51.02
			4.00	2.58	2.85	8.43	2.91	8.32	28.56	3.51	8.06	3.56	8.11	57.12
			4.50	2.03	2.68	8.51	2.73	8.43	24.10	3.52	9.39	3.58	9.46	48.20
			5.00	1.65	2.44	8.47	2.49	8.35	22.31	3.51	10.02	3.58	10.10	59.50
			6.00	1.14	1.41	8.10	1.50	7.98	10.71	3.31	10.66	3.47	10.75	42.84
			2.00	37.46	4.01	10.03	4.10	9.96	52.36	4.10	5.81	4.18	5.88	78.55
			2.50	23.97	4.42	11.10	4.51	11.04	63.69	4.48	6.51	4.56	6.59	96.23
			2.80	19.11	4.61	11.68	4.71	11.55	69.39	4.66	6.84	4.74	6.92	103.80
			3.00	16.65	4.75	11.98	4.85	11.90	75.64	4.76	7.56	4.84	7.64	111.79
			3.50	12.23	5.00	12.83	5.09	12.68	80.18	5.06	8.08	5.15	8.17	127.56
OVA38935	(m)	(lux)	4.00	9.36	5.21	13.52	5.31	13.38	90.45	5.31	8.90	5.39	9.00	139.24
			4.50	7.40	5.36	14.07	5.46	13.93	93.38	5.50	10.13	5.59	10.24	155.14
			5.00	5.99	5.46	14.49	5.60	14.41	96.69	5.67	10.60	5.81	10.72	163.64
			6.00	4.16	5.60	15.30	5.69	15.15	91.04	5.93	13.53	6.03	13.70	187.44
			7.00	3.06	5.52	15.83	5.62	15.68	102.05	6.14	14.61	6.24	14.79	189.52
			8.00	2.34	5.35	16.15	5.45	15.93	85.69	6.25	16.22	6.36	16.42	209.45
			9.00	1.85	4.94	16.21	5.04	16.00	72.30	6.27	18.09	6.39	18.32	192.79
			10.00	1.50	4.30	16.06	4.45	15.84	74.38	6.17	19.39	6.38	19.80	208.26
			11.00	1.24	3.36	15.70	3.47	15.48	36.00	6.01	20.04	6.19	20.29	189.00
			12.00	1.04	1.47	15.00	1.63	14.85	0.00	5.62	20.43	6.18	20.69	171.37
OVA38938	(m)	(lux)	2.00	11.14	2.75	7.11	2.83	7.03	25.29	3.02	4.68	3.09	4.74	38.98
			2.50	7.13	2.93	7.70	2.98	7.66	27.89	3.25	5.48	3.30	5.55	46.02
			2.80	5.68	2.98	8.00	3.06	7.89	30.32	3.34	5.92	3.42	6.00	50.15
			3.00	4.95	3.00	8.15	3.08	8.07	30.79	3.41	6.17	3.49	6.19	52.21
			3.50	3.64	3.04	8.50	3.10	8.38	29.16	3.53	7.25	3.58	7.29	56.49
			4.00	2.78	2.99	8.70	3.04	8.62	28.56	3.61	7.94	3.67	8.06	61.88
			4.50	2.20	2.84	8.81	2.92	8.73	24.10	3.64	8.95	3.73	9.01	57.24
			5.00	1.78	2.63	8.81	2.69	8.73	22.31	3.65	9.88	3.72	9.96	59.50
			6.00	1.24	1.81	8.52	1.89	8.44	10.71	3.51	10.97	3.65	11.16	58.91
OVA38939	(m)	(lux)	2.00	16.70	3.14	8.03	3.23	7.94	33.92	3.36	4.66	3.44	4.73	50.28
			2.50	10.69	3.38	8.75	3.47	8.70	38.12	3.61	5.67	3.70	5.76	58.57
			2.80	8.52	3.49	9.14	3.58	9.09	40.82	3.75	6.11	3.84	6.22	66.48
			3.00	7.42	3.58	9.38	3.64	9.28	41.50	3.86	6.23	3.92	6.26	69.62
			3.50	5.45	3.66	9.87	3.75	9.77	47.38	4.02	7.08	4.11	7.12	76.54
			4.00	4.18	3.70	10.24	3.80	10.10	42.84	4.14	8.22	4.23	8.36	83.31
			4.50	3.30	3.71	10.50	3.78	10.40	48.20	4.26	8.98	4.33	9.13	84.35
			5.00	2.67	3.63	10.68	3.70	10.58	44.63	4.32	9.87	4.39	10.05	94.83
			6.00	1.86	3.26	10.86	3.36	10.66	32.13	4.33	12.26	4.45	12.38	85.69
			7.00	1.36	2.58	10.60	2.69	10.50	14.58	4.26	13.25	4.41	13.51	87.47
			8.00	1.04	0.98	10.05	1.12	9.90	0.00	3.85	13.63	4.34	13.89	76.17
OVA38940	(m)	(lux)	2.00	19.49	3.30	8.39	3.40	8.29	35.70	3.49	4.89	3.58	4.91	54.74
			2.50	12.47	3.57	9.22	3.67	9.11	41.84	3.78	5.42	3.87	5.52	66.48
			2.80	9.94	3.72	9.61	3.78	9.55	45.49	3.93	6.16	4.00	6.27	71.14
			3.00	8.66	3.77	9.85	3.87	9.74	47.53	4.02	6.28	4.11	6.32	76.31
			3.50	6.36	3.92	10.38	3.99	10.33	47.38	4.21	7.51	4.27	7.65	82.00
			4.00	4.87	4.00	10.82	4.07	10.71	54.74	4.36	8.44	4.43	8.59	92.83
			4.50	3.85	4.02	11.17	4.09	11.06	48.20	4.50	8.89	4.57	8.96	93.38
			5.00	3.12	3.98	11.46	4.09	11.25	57.64	4.55	10.25	4.66	10.44	96.69
			6.00	2.17	3.75	11.64	3.82	11.54	42.84	4.66	11.92			

Catalogue number	Installation height for ceiling mounting (m)	Lux level directly under luminaires (lux)	Escape routes 1 Lux min. Along centreline				Area covered to obtain more than 1 Lux on the ground (m²)	Open (Anti-Panic) areas 0.5 Lux min. Luminaires arranged in a regular array				Area covered to obtain 0.5 Lux on the ground (m²)
			A (m)	B (m)	C (m)	D (m)		E (m)	F (m)	G (m)	H (m)	
OVA38979	2.00	18.12	4.19	10.22	3.30	7.98	47.60	4.54	5.98	3.68	4.73	67.54
OVA38980	2.80	9.25	4.85	12.08	3.68	9.23	56.56	5.07	7.02	3.97	5.58	94.47
	3.00	8.05	4.90	12.44	3.77	9.46	60.25	5.11	7.24	4.05	5.72	97.74
	3.50	5.92	4.77	13.17	3.89	10.00	61.96	5.11	8.62	4.25	6.75	106.61
	4.00	4.53	4.85	13.52	3.97	10.38	60.69	5.22	10.68	4.36	8.29	111.87
	4.50	3.58	4.83	13.54	3.98	10.73	61.75	5.32	12.57	4.48	9.56	114.47
	5.00	2.90	4.70	13.45	3.94	10.91	59.50	5.36	13.74	4.57	10.44	126.45
	5.50	2.40	4.53	13.58	3.85	11.10	54.00	5.32	14.59	4.60	11.07	117.00
	6.00	2.01	4.32	13.62	3.71	11.19	53.55	5.29	14.98	4.62	11.44	117.82
	6.50	1.72	4.06	13.46	3.46	11.20	40.85	5.32	15.41	4.60	12.18	113.13
	7.00	1.48	3.72	13.17	3.12	11.14	43.74	5.29	15.81	4.51	12.77	116.63
OVA38987	3.00	19.20	6.08	14.67	4.80	11.59	104.43	6.33	8.47	5.10	6.97	153.97
	4.00	10.80	6.86	16.87	5.31	13.12	128.53	7.21	9.90	5.69	8.01	198.74
	5.00	6.91	7.41	18.61	5.65	14.22	141.32	7.90	11.10	6.14	8.83	241.74
	6.00	4.80	7.75	20.07	5.84	15.09	163.34	8.39	12.67	6.45	9.90	278.48
	6.50	4.09	7.89	20.61	5.90	15.43	144.56	8.59	14.02	6.56	10.91	279.69
	7.00	3.53	7.91	21.05	5.93	15.69	160.36	8.73	15.46	6.66	11.99	276.99
	7.50	3.07	7.97	21.42	5.97	15.95	167.36	8.92	15.58	6.80	12.02	292.87
	8.00	2.70	8.00	21.82	5.87	16.14	171.37	9.06	16.04	6.78	12.32	323.70
	8.50	2.39	7.93	21.96	5.79	16.35	134.35	9.21	16.09	6.86	12.28	327.81
	9.00	2.13	7.75	22.23	5.62	16.42	132.55	9.26	16.91	6.85	12.72	295.21
	9.50	1.91	7.56	22.25	5.43	16.59	134.26	9.30	17.65	6.82	13.32	295.36
	10.00	1.73	7.33	22.41	5.21	16.56	126.45	9.32	18.50	6.76	14.00	327.27
	10.50	1.57	6.95	22.42	4.95	16.63	98.41	9.28	19.67	6.75	14.66	344.42
	11.00	1.43	6.42	22.39	4.56	16.50	81.00	9.16	21.13	6.65	15.79	324.00
	11.50	1.31	5.80	22.31	4.07	16.33	59.02	9.12	21.77	6.56	16.30	314.78
	12.00	1.20	4.97	22.09	3.38	16.11	42.84	9.05	23.06	6.32	17.29	267.77
	12.50	1.11	4.00	21.83	2.54	15.85	34.87	9.04	24.18	5.93	18.16	278.93
	13.00	1.02	2.70	21.44	0.74	15.55	0.00	10.48	19.11	3.22	14.21	263.98

#### Escape routes



#### Open (Anti-Panic) areas



A and E: Transverse spacing to wall

B and F: Transverse spacing between luminaires

C and G: Axial spacing to wall

D and H: Axial spacing between luminaires

It is important to establish preliminary and routine checking procedures to ensure the system is up to standard and complies with all technical and regulatory requirements, and above all does not lose its safety and functional features over time.

### Checks

Once the system has been created, the correct tools should be used to ensure that each area complies with the standard ground lighting levels, where necessary. The viewing distance (in metres) and the legibility of the safety signs should be checked for escape route signage.

### Routine maintenance maintenance and check records

As regards maintenance, the most recent rules come from standard **EN 50172 "Emergency escape lighting systems"**, which establishes a series of procedures to keep the safety lighting system working efficiently.

The first thing the standard recommends is to register the periodic checks in a Log Book. This will contain details of the routine checks, test results, defects and any other changes in the system, as well as any other maintenance operations. The log book should be kept up-to-date and one person should be responsible for keeping it. It should always be available for inspection by the competent authorities.

**The log book should contain at least the following information:**

- Date the system started working, including emergency lighting technique.
- Documentation concerning the original design and any changes made to it.
- Date and brief description of each service inspection or test.
- Date and type of routine check and operation performed (month/year, written mm/yy).
- Date and brief description of any defects found of the corrective measures taken.
- Date and brief description of any change in the emergency lighting system.
- When an automatic control system is in place the features should be described.

*Note: if the automatic control system is used, the printed output can replace a data entry in the log book.*

**Other important information to register may be the following:**

- Information regarding other safety records, for example alarm systems.
- Date and type of routine maintenance or overhaul performed.
- Serial number or other details for identification of the safety devices.
- Name and address of company and other identification details of the person in charge of maintenance.
- Clear signature of the person in charge of maintenance.

A summary of the basic procedures set by the standards to carry out operations safely and at the same time keep the system working efficiently are:

1. All checking operations on the system, taking special care to check the duration. The checks should be carried out during low-risk periods to allow for any necessary recharging of the batteries, in order to avoid a black-out creating risky situations;
2. Make a daily **check** on the energy source power supply indicators and each inhibition circuit if present;
3. Each **month** (preferably each **week**) carry out an operational test on the system, simulating failure of the standard power supply for long enough to allow verification of the start-up of lighting devices and signs. The duration of the test should not significantly limit the autonomy of the devices tested, but should give enough time to check that the devices are present and clean and that they work properly;
4. At least **once a year** (or preferably every six months), **carry out** a discharge test on each lighting and signage luminaire simulating loss in standard power supply for sufficient time.

The type of test should reflect the points noted in paragraph 3 insofar as possible.

*Note: if an automatic control system is being used, the results of the duration tests must be recorded.*

# Maintenance

## Emergency lighting Activa (self-diagnosis)

**Info for countries:**  
Only for Spanish and  
Italian products.  
Not for Belgian products.

### Functions

Activa luminaires are developed to perform automatically functional and autonomy test following EN 50172 European regulation.

A multicolour LED (green/red) indicates the status of the luminaire to facilitate the checking.

Activa luminaires needs a non-stop recharge for at least 12 hours to activate all the functionalities, during this period the luminaire will not discharge completely the battery in case of black-out. This function is explicitly developed to improve the correct use of the luminaire during installation and maintenance. After 12 hours of non-stop recharge, Activa function auto-configure the luminaire to perform periodical test.

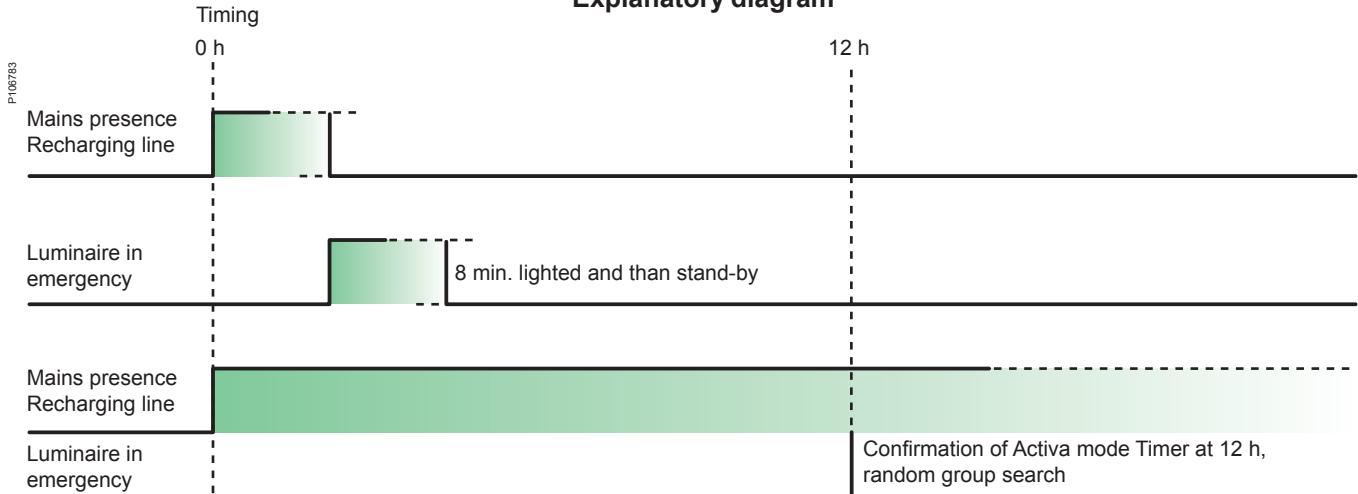
Even if the Activa function is configured after 12 hours of non-stop recharge, the internal timer take into account also this time in the scheduling of periodical test.

### Installation

Activa luminaires do not need any additional or dedicated cable than any other emergency luminaire. During the installation, the luminaire has to have the recharging mains for at least 12 hours, if this will not happened the luminaire will work in emergency mode for 8 minutes preserving the battery and allowing the functional test. As soon as the recharging mains will be continuous for 12 hours, the luminaire will confirm its own periodical test program.

In fact, frequent and deep discharge of the battery (more than 1 per week), probable in non-finished installation like construction in process, may decrease the average lifetime of the battery.

### Explanatory diagram



Activa luminaire are automatically configured in 7 different groups ensuring a discrepancy of at least 24 hours between the autonomy tests.

This function avoid that the autonomy test will be performed at the same time (EN 62034), causing the complete discharge of the emergency light installation.

**Info for countries:**  
Only for Spanish and  
Italian products.  
Not for Belgian products.

# Maintenance

## Emergency lighting Activa (self-diagnosis) (cont.)

### Description of the tests

The luminaire execute 2 different type of tests:

#### Functional Test:

- Switch ON the luminaire from the battery (emergency mode) for 10".
- Switch OFF the emergency mode for 10".
- Return of the recharging line.
- If there is a malfunctioning of the lighting source and/or of the electrical components, the luminaire set a functional fault (see "Indications").

As an improved safety, if the battery has no charge to keep lighted the luminaire, it appears a battery fault (see "Indications").

#### Autonomy Test:

- Switch ON the luminaire from the battery (emergency mode) for the declared autonomy of the luminaire (60', 120' or 180').
- Switch OFF the emergency mode.
- Return of the recharging line.
- If the battery will not keep lighted the luminaire for the declared autonomy, the luminaire set a battery fault (see "Indications").

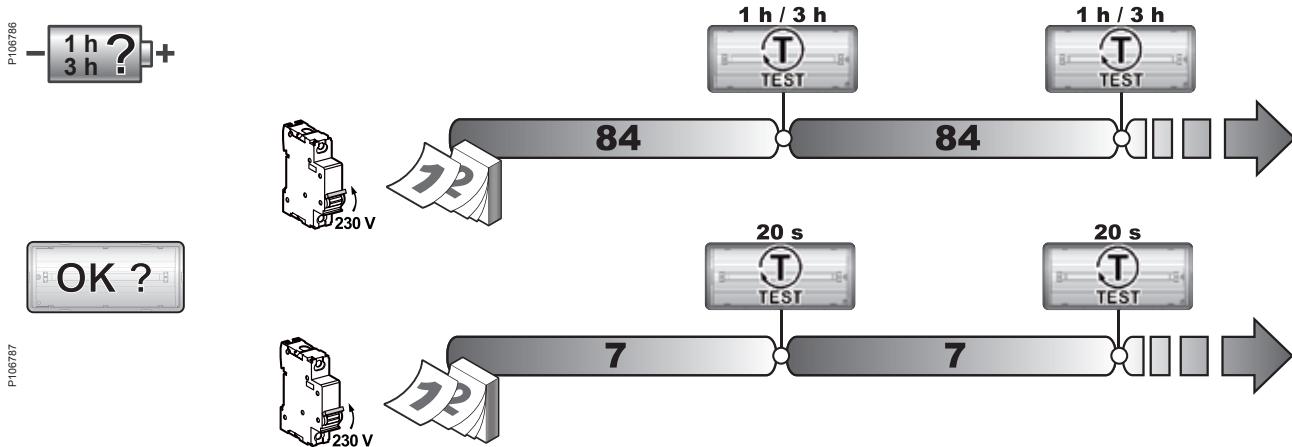
As an improved safety, if there is a malfunctioning of the lighting source and/or of the electrical components, it appears a functional fault (see "Indications").

### Test scheduling

Depending from the configured Group, the luminaires execute the test following these schedules:

- Group "0":  
 functional test after 7days (and than every 7 days)  
 autonomy test after 84 days (and than after 84 days)
- Group "1":  
 functional test after 7+1 days (and than every 7 days)  
 autonomy test after 84+1 days (and than every 84 days)
- Group "2":  
 functional test after 7+2 days (and than every 7 days)  
 autonomy test after 84+2 days (and than every 84 days)
- Group "3":... +3...  
- Group "4":... +4...  
- Group "5":... +5...  
- Group "6":  
 functional test after 7+6 days (and than every 7 days)  
 autonomy test after 84+6 days (and than every 84 days).

The configuration of the Group is random, however is possible to force the configuration of the Group acting on the push button, see "Push button function" paragraph.

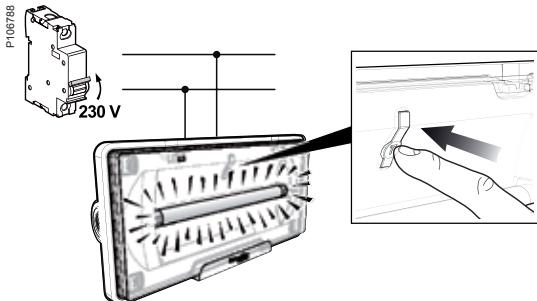


If the battery has not 12 hours recharge when an autonomy test is scheduled, the test is postponed of 7 days.

# Maintenance

## Emergency lighting Activa (self-diagnosis) (cont.)

**Info for countries:**  
Only for Spanish and  
Italian products.  
Not for Belgian products.



### Push button function

During mains presence, acting on the push button you can have the following function:

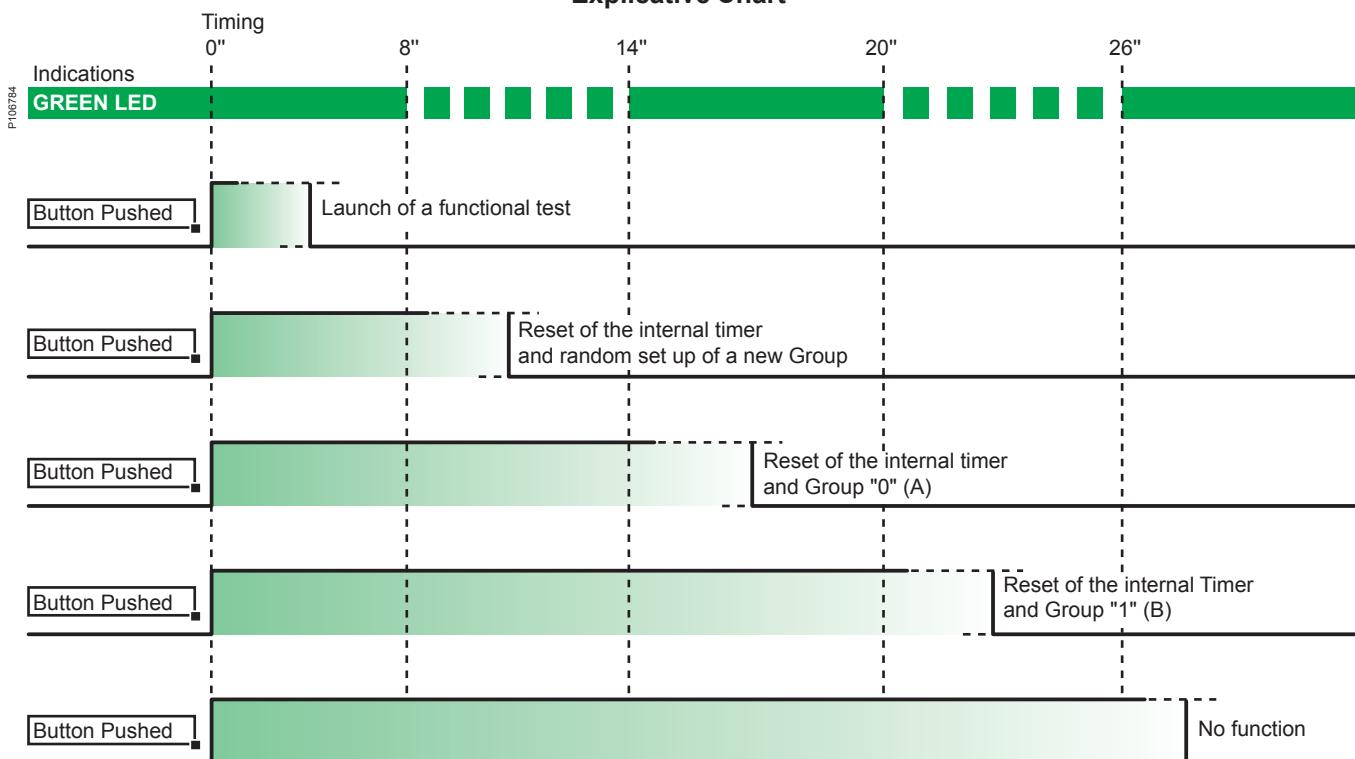


- Pushing the button from 1" to 8" = launch of a functional test
- Pushing the button from 8" to 14" = fast blinking of the green LED = Reset of the internal Timer and random set-up of a new group.
- Pushing the button from 14" to 20" = fixed green LED = reset of the internal Timer and Group "0".
- Pushing the button from 20" to 26" = fast blinking of the green LED = reset of the internal Timer and Group "1".
- Pushing the button for more than 26" = Fixed green LED = No function.

To facilitate the understanding of the function, the green LED indicates the different step changing from fixed to blinking and vice versa during the pushing of the button as indicated in the following chart.

*N.B. The function is enabled after the release of the push button.*

### Explicative Chart



These functions are available ONLY after confirmation of Activa functions (12 h of non-stop recharge).

#### During mains absence (black-out or mains switch off)

- Pushing the button from 1" to 8" = REST MODE = switch off of the luminaire (if it is lighted in emergency mode).

When the mains return this function is automatically reset.

In case of blocked push button, any function will be enabled.

**Info for countries:**  
Only for Spanish and  
Italian products.  
Not for Belgian products.

# Maintenance

## Emergency lighting Activa (self-diagnosis) (cont.)

### Functions with remote control (Teleur)

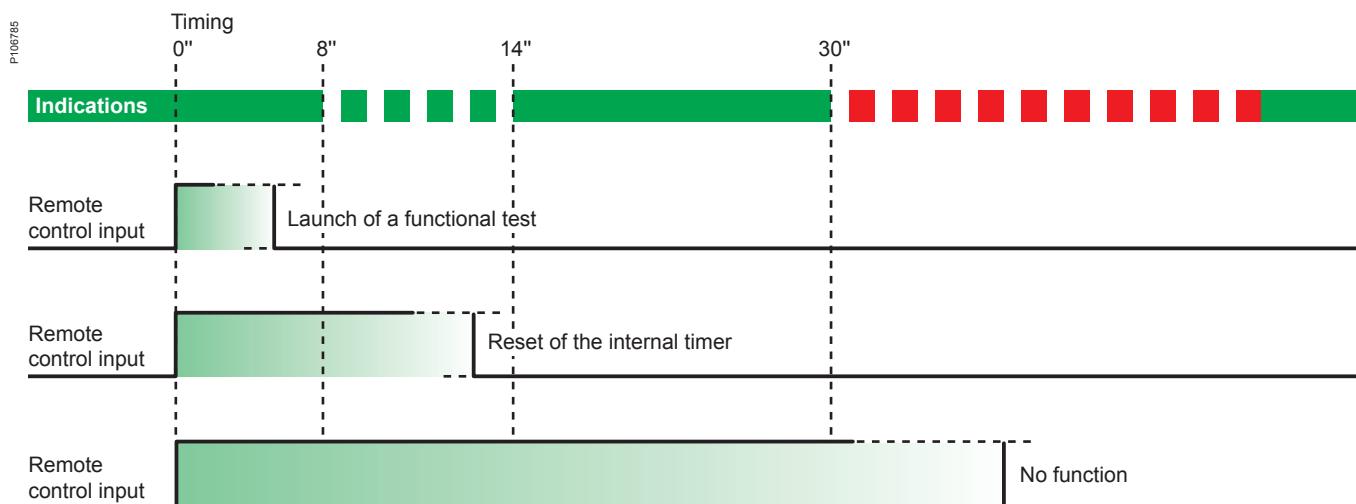
When you connect the luminaires to the remote control (OVA50325E, OVA50326E, OVA50302, OVA50312) you have the possibility to launch the following function:



#### During mains presence

- Pushing "ON" from 1" to 8" = launch of a functional test
- Pushing "ON" from 8" to 14" = fast blinking of the green LED = Reset of the internal Timer WITHOUT random set-up of a new group.
- Pushing "ON" for more than 30" = fast blinking of the red LED = No function.

#### Explicative chart



#### During mains presence

- Pushing "OFF" from 1" to 8" = test Inhibition
- (without changing the test scheduling).

- Pushing "OFF" for more than 8" = fast blinking of the red LED = no function.

#### During mains absence (black-out or mains switch off)

- Pushing "OFF" = REST MODE = Switch off of the luminaire (if it is lighted in emergency mode). When the mains return this function is automatically reset.

- Pushing "ON" = RESTORE = Switch on of the luminaire (if switched off before with REST MODE and if the battery is still partially charged). When the mains return this function is automatically reset.

# Maintenance

## Emergency lighting Activa (self-diagnosis) (cont.)

**Info for countries:**  
Only for Spanish and  
Italian products.  
Not for Belgian products.

P10284\_90

	GREEN Luminaire working
	BLINKING RED 0.5 Hz Light source failure
	RED Battery faulty or disconnected.
	ALTERNATE GREEN and RED Test inhibited
	FAST BLINKING RED 2 Hz Connection error
	BLINKING GREEN 0.5 Hz Test in progress

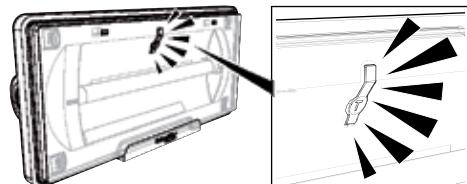
### Indications

The "Status" indications are made by a multicolour LED (green/red) in the push button of the luminaire.

- Fixed GREEN LED = normal status. Batteries in recharge, light source OK, declared battery autonomy OK.
- Slow blinking RED = functional fault, it happens if the light source does not work properly or there is a fault in the electronic components.
- Fixed RED = battery fault. It happens if the battery is not connected, if it is damaged or after an autonomy test is the declared autonomy is not matched.
- Blinking RED/GREEN = TEST inhibited from the remote control (Teleur), see "functions with remote control" paragraph.
- Fast blinking RED = connection fault, during the cabling of the luminaire there was made a fault connecting the mains in the remote control connector or there is a strange voltage. In this case the luminaire do not recognize any commands on the remote control line.
- Blinking GREEN = test in process, functional or autonomy test in process. At this stage the luminaires works in emergency mode and the light source is switched on.

A multi-coloured LED displays  
the status of the luminaire.

P106792



			Fixed	Slow	Fast	Slow
	Fixed	Slow				
	OK	NO OK	< 1 h < 3 h			



The majority of these definitions are extracted from the European standards EN 1838 and EN 60598-2-22.

### E

**Emergency escape lighting**

That part of emergency lighting that provides illumination for the safety of people leaving a location or attempting to terminate a potentially dangerous process before doing so.

**Emergency exit**

A way out that is intended to be used during an emergency.

**Emergency lighting**

This is defining the system.

**Emergency luminaire rated lumen output**

Lumen output as claimed by the luminaire manufacturer (60 s; 0.5 s for high-risk task-area lighting luminaires) after failure of the normal supply; it is continuous till the end of the rated duration of operation of the emergency luminaire.

**Emergency mode**

State of a self-contained emergency luminaire that provides lighting when energized by its internal power source, the normal supply having failed.

**Escape route**

A route designated for escape in the event of an emergency.

**Escape Route Lighting**

This is luminaires normally switched off (NM), and placed in escape routes, open area (anti panic) and high risk area giving light on these areas in case of local or total main failure.

**Exit signs**

Luminaires normally switched on 24/7 (M) with pictograms showing the way out, or to a way out.

**Externally illuminated safety sign**

A sign that is illuminated, when required, by an external source.

### I

**Internally illuminated safety sign**

A sign that is illuminated, when required, by an internal source.

### L

**Lumen (lm)**

Unit of measurement to quantify the amount of light provided by the luminaire (it is important to specify "the luminaire", because from the nominal value of the light source must be deducted the reduction of light due to the glass cover, the reflector and light source aging).

**Lux (lm/m<sup>2</sup>)**

Unit of measurement to quantify the amount of light provided by the luminaire to a 1 m<sup>2</sup> area (for example: 1 lux means 1 lumen measured on a 1 m<sup>2</sup> area).

### M

**Maintained emergency luminaire**

Luminaire in which the emergency lighting lamps are energized at all times when normal or emergency lighting is required.

**Maximum overcharge rate**

Maximum continuous charge rate that may be applied to a fully charged battery.

### N

**Non-maintained emergency luminaire**

Luminaire in which the emergency lighting lamps are in operation only when the supply to the normal lighting fails.

**Normal mode**

State of a self-contained emergency luminaire that is ready to operate in emergency mode while the normal supply is on. In case of a normal supply failure, the self-contained luminaire automatically changes over to the emergency mode.

**Normal supply failure**

Condition in which the normal lighting can no longer provide a minimum illumination for emergency escape purposes and when the emergency lighting should become operative.

### O

**Open Area (or Anti-Panic Area) Lighting**

That part of emergency escape lighting provided to avoid panic and provide illumination allowing people to reach a place where an escape route can be identified.

### R

**Rated duration of emergency operation**

Time, as claimed by the manufacturer, for which the rated emergency lumen output is provided.

**Remote inhibiting facility**

Means for inhibiting remotely a luminaire associated with an emergency lighting system.

**Remote inhibiting mode**

State of a self-contained emergency luminaire which is inhibited from operating by a remote device while the normal supply is on. In case of a normal supply failure, the luminaire does not change over to emergency mode.

**Rest mode**

State of a self-contained emergency luminaire that has been intentionally extinguished while the normal supply is off and that, in the event of restoration of the normal supply, automatically reverts to normal mode.

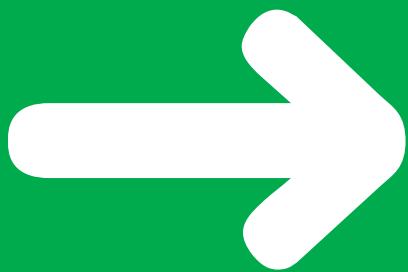
### S

**Safety sign**

A sign which gives a general safety message, obtained by a combination of colour and geometric shape and which, by the addition of a graphic symbol or text, gives a particular safety message.

**Self-contained emergency luminaire**

Luminaire providing maintained or non-maintained emergency lighting in which all the elements, such as the battery or the lamp, where provided, are contained within the luminaire or adjacent to it (i.e., within 1 m cable length).



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## Note

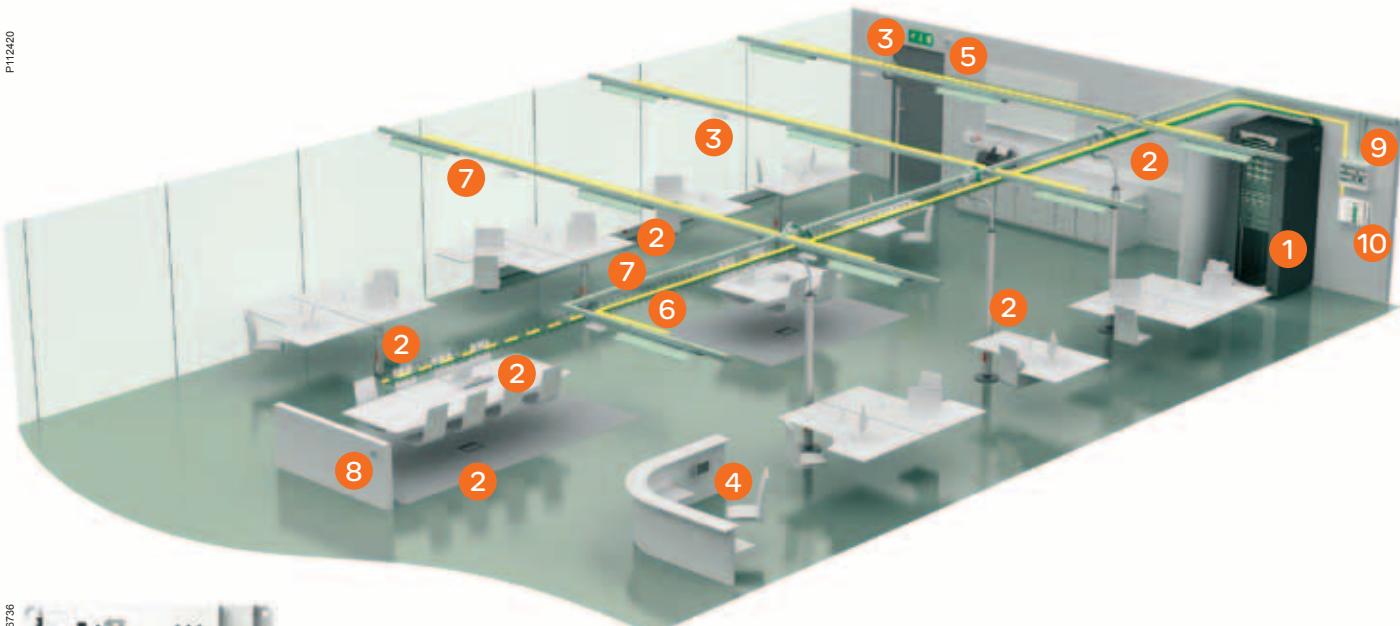
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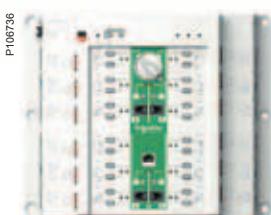
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P112682



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P105934



KNX

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