

No improvisation  
on safety!



# Luminaires, conversion kits, lamps

Catalogue 2020

Emergency lighting

Stand alone products



[se.com](http://se.com)

Life Is On

**Schneider**  
Electric



# Green Premium™

An industry leading portfolio of offers delivering sustainable value



More than 75% of our product sales offer superior transparency on the material content, regulatory information and environmental impact of our products:

- RoHS compliance
- REACH substance information
- Industry leading # of PEP's\*
- Circularity instructions



Discover what we mean by green  
[Check your products!](#)

The Green Premium program stands for our commitment to deliver customer valued sustainable performance. It has been upgraded with recognized environmental claims and extended to cover all offers including Products, Services and Solutions.

#### CO<sub>2</sub> and P&L impact through... Resource Performance

Green Premium brings improved resource efficiency throughout an asset's lifecycle. This includes efficient use of energy and natural resources, along with the minimization of CO<sub>2</sub> emissions.

#### Cost of ownership optimization through... Circular Performance

We're helping our customers optimize the total cost of ownership of their assets. To do this, we provide IoT-enabled solutions, as well as upgrade, repair, retrofit, and remanufacture services.

#### Peace of mind through... Well-being Performance

Green Premium products are RoHS and REACH compliant. We're going beyond regulatory compliance with step-by-step substitution of certain materials and substances from our products.

#### Improved sales through... Differentiation

Green Premium delivers strong value propositions through third-party labels and services. By collaborating with third-party organizations we can support our customers in meeting their sustainability goals such as green building certifications.

\*PEP: Product Environmental Profile (i.e. Environmental Product Declaration)

Introduction	2
Quick selection guide	4
<b>Emergency light fittings</b>	<b>10</b>
Presentation	10
Range overview	12
Rilux	14
Smartbeam	18
Smartduo	22
<b>Emergency exit signs</b>	<b>26</b>
Presentation	26
Range overview	28
Astro Guida	30
Quick Signal	34
Lys	40
Maxi Slim	46
<b>Conversion kits</b>	<b>50</b>
Presentation	50
Range overview	51
Evx Ferro	52
Evx Power T5 AC	54
<b>Portable emergency lamps</b>	<b>56</b>
Presentation	56
Range overview	57
Range presentation	58
Top 4	60
Toplux	61
Jodiolux	62
<b>Remote control</b>	<b>64</b>
Presentation	64
Teleur	65
<b>Technical guide</b>	<b>66</b>
Contents	67
Lighting and safety signs	68
Introductory information	68
Design	69
Maintenance	83
Glossary	85
<b>Index</b>	<b>86</b>
Numbered parts list	87

Some of the ranges exist in an addressable version, called Dardo Plus.  
The addressable system and luminaires Dardo Plus, are presented in the catalogue **ISC02015**.

Exiway is an escape route (antipanic) range. Rich of more than 200 references,  
discover it in the catalogue **ISC01785**.



# A range with true arguments to help

Emergency lighting prevent and manage panic movements in the event of serious of buildings (hotels, malls, hospitals, offices, museums...), Schneider Electric offer



## Simplicity

**To assemble, to install and to maintain.**

By combining Teleur remote controller with the fittings, it's even easier to put in Rest mode the lighting and preserve the battery charge.

## Reliability

Thanks to know-how in emergency lighting **from the 70's**, Schneider Electric offers high reliable solutions in all applications, whatever the constraints. The use of LEDs contributes directly to this reliability and to energy savings (low consumption technology).

## Enhanced safety

Schneider Electric's solutions are designed with safety in mind, while considering their installations and maintenance stages.

In addition, in case of power cuts, they bring an efficient contribution for the evacuation of people: automatic actuation, clear exit signs, 1 to 3 hours of autonomy.

**All emergency lighting solutions offer a high level of quality and reliability: comply with EN 1838, EN 60598-1 and EN 60598-2-22, meet the various prevailing regulations.**

## Aesthetic

Whether they be flush mounted, in the false ceiling or surface-mounted, emergency lighting solutions are designed so as to be **perfectly integrated into various buildings aesthetics** (modern, architectural, classical...) and into various places (halls, parking, corridors,...).

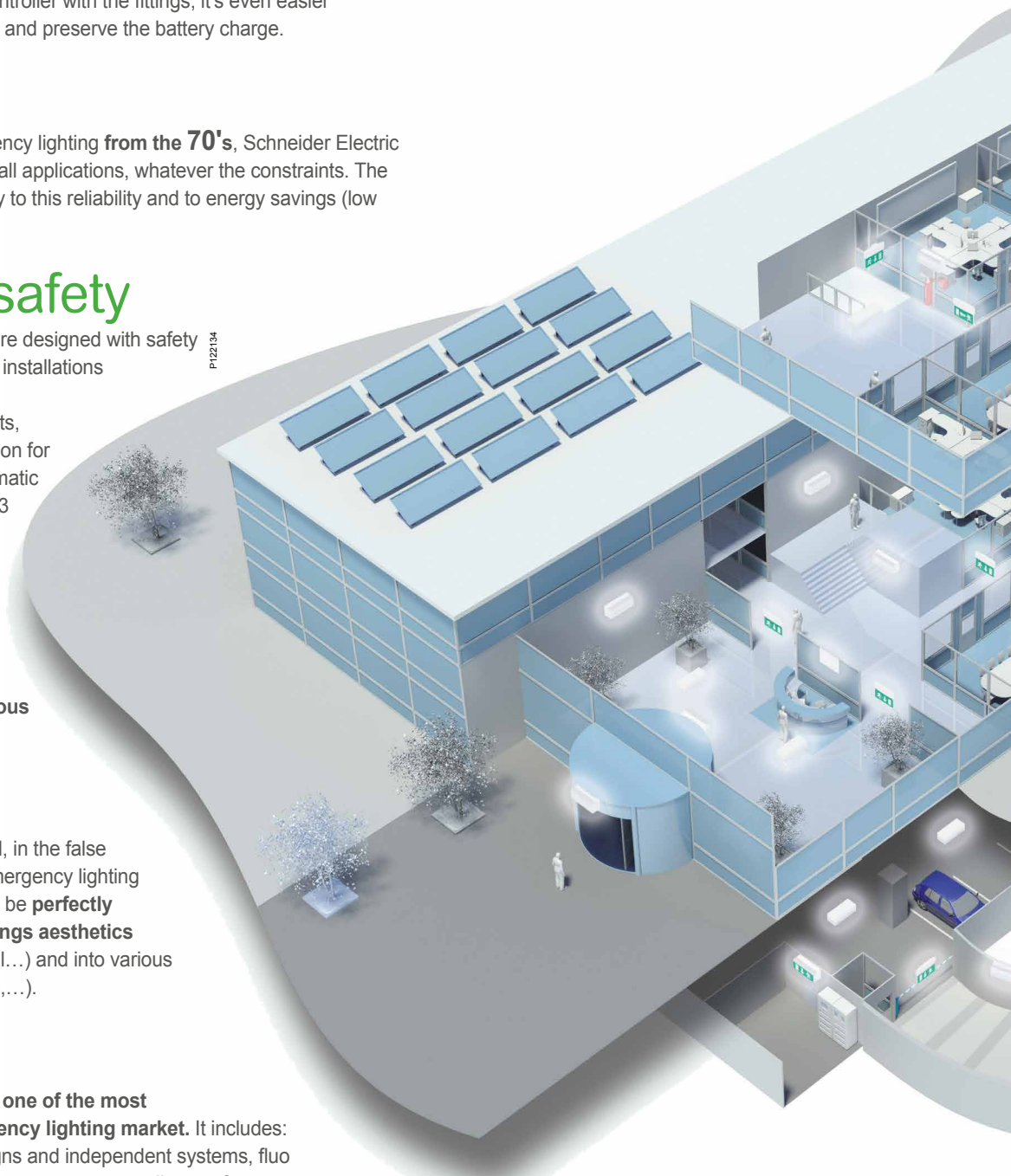
## Wide offer

**Schneider Electric's range is one of the most comprehensive in the emergency lighting market.** It includes: emergency light fittings, exit signs and independent systems, fluo and LED products, portable lamps, remote controllers, softwares,...

## More solutions...

**Addressable emergency lighting system: Dardo Plus.** For centralised and automatic installation control.

See dedicated catalogue and leaflet.





# Improve buildings' safety

problems as for example fire or earth quake. Adapted to all types and sizes as a full range of essential stand-by devices.

**Emergency light fittings**

P147237

P147334

P148276

**Rilux, Smartbeam Smartduo**

- Attractive design
- Installation accessories for many types of ceiling, flush and wall mounts
- Rilux LED versions

**Conversion kits**

P83022

**Evx Ferro, Evx Power T5 AC**

- Convert ordinary fluorescent luminaire into self-contained emergency luminaires
- Compatible with many tubes
- Invisible: concealed into the fluorescent tube luminaire

**Emergency exit signs**

P83160

**Astro Guida, Quick Signal, Lys Maxi Slim**

- Long-life light
- Modern appearance

**Portable emergency lamps**

P83033

**Top 4, Toplux, Jodiolux**

- High quality, high flux
- Portable and rechargeable
- Additional emergency function

## Emergency light fittings

**> Rilux**  
IP40, IK06 / 07  
see page 14



**Accessories**



P92687



P92688



P92689



P92690



P147024



P146885

Protection rating	Autonomy (h)	Average flux (lm) emergency condition / maintained mode	Emergency lighting	Pictogram stickers (set of 10)	Pictogram stickers (set of 10)	Pictogram stickers (set of 10)	Pictogram stickers (set of 10)	ISO pictogram stickers (set of 4)
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**Standard version**

**Non-maintained**

IP40	IK06	1	70	OVA37066E	OVA50236E	OVA50247E	OVA50248E	OVA50237E	-
		90	OVA37067E	OVA50238E	OVA50249E	OVA50250E	OVA50239E	OVA53179	
	IK07	1	180	OVA37069E	OVA50240E	OVA50251E	OVA50252E	OVA50241E	-
		250	OVA37070E	OVA50240E	OVA50251E	OVA50252E	OVA50241E	-	
IK06	3	90	OVA37068E	OVA50238E	OVA50249E	OVA50250E	OVA50239E	OVA53179	

**Maintained**

IP40	IK06	1	75 / 90	OVA37071E	OVA50238E	OVA50249E	OVA50250E	OVA50239E	OVA53179
		3	75 / 90	OVA37072E	OVA50238E	OVA50249E	OVA50250E	OVA50239E	OVA53179

**LED version**

**Non-maintained**

IP40	IK06	1.5	100	OVA37105	OVA50238E	OVA50249E	OVA50250E	OVA50239E	OVA53179
		1.5	150	OVA37108	OVA50238E	OVA50249E	OVA50250E	OVA50239E	OVA53179
		1	225	OVA37107	OVA50238E	OVA50249E	OVA50250E	OVA50239E	OVA53179

**Maintained**

IP40	IK06		170/120	OVA37106	OVA50238E	OVA50249E	OVA50250E	OVA50239E	OVA53179
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**> Smartbeam**  
IP42 / 65, IK06 / 07  
see page 18

**Accessories**

P147024

P146885

P147577

**Spare parts**

P147391

Protection rating	Autonomy (h)	Average flux (lm) emergency condition / maintained mode (*)	Emergency lighting			Vetrosignal kit (up, down, left, right, opaline)	Adaptator ring	Batteries (LiFePO4)
			Escape route	Open area	5 lux			

**Standard version**

**False ceiling**

IP42	IK06	1.5	200/200 or 220/220	OVA48902	OVA48903	-	OVA53180	OVA53181	OVA51154
		3	200/200 or 220/220	OVA48904	OVA48900	-	OVA53180	OVA53181	OVA51157

**Surface**

IP65	IK07	1.5	190/190 or 220/220	OVA48905	OVA48906	-	-	-	OVA51154
		3	190/190 or 220/220	OVA48901	OVA48907	-	-	-	OVA51157

**Activa**

**False ceiling**

IP42	IK06	1.5	200/200 or 220/220	OVA48920	OVA48921	-	OVA53180	OVA53181	OVA51154
		3	200/200 or 220/220	OVA48922	OVA48923	-	OVA53180	OVA53181	OVA51157
		3	210/210	-	-	OVA48928	-	-	OVA51157

**Surface**

IP65	IK07	1.5	190/190 or 220/220	OVA48924	OVA48925	-	-	-	OVA51154
		3	190/190 or 220/220	OVA48926	OVA48927	-	-	-	OVA51157

**High ceiling**

IP65	IK07	3	390/390	OVA48930	OVA48929	-	-	-	OVA51158
		3	200/200	-	-	OVA48931	-	-	OVA51157

(\*) 200/200 for Escape route products, 220/220 for Open area products

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Protective grids

**Spare parts**



P98733

Fluorescent tubes



P98733

Batteries (Ni-Cd)

OVA50343E	OVA51057	OVA51012E
OVA50344E	OVA51006E	OVA51012E
OVA50343E	OVA51009E	OVA51016E
OVA50343E	OVA51011E	OVA51021E
OVA50344E	OVA51006E	OVA51019E

OVA50344E	OVA51007E	OVA51018E
OVA50344E	OVA51007E	OVA51019E

OVA50344E	-	OVA51162
OVA50344E	-	OVA51143
OVA50344E	-	OVA51143

OVA50344E	-	OVA51143
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**> Smartduo**

Activa version  
IP65, IK07  
see page 22



P148276

**Spare parts**



P148337

Protection rating	Autonomy (h)	Average flux (lm)	Emergency lighting	Batteries LFP2
IP65 IK07	1	2400	OVA48020	OVA51169



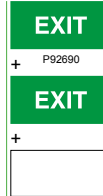
Emergency exit signs

> Astro Guida

Self-diagnosis version (Activa)  
Standard version  
IP42, IK06  
see page 30



Accessories



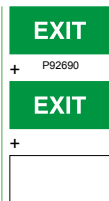
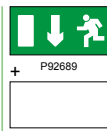
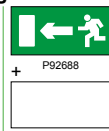
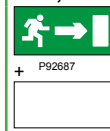
Visibility (m)	Autonomy (h)	Emergency exit signs	Ceiling, hanging and electrified track kit	Protective grid	EN Exit sign screens for 1 or 2 sides
<b>Self-diagnosis version (Activa)</b>					
24	1	OVA38466E	OVA50356E	OVA50357E	OVA50281E
<b>Standard version</b>					
24	1	OVA38464E	OVA50356E	OVA50357E	OVA50281E
	3	OVA38465E	OVA50356E	OVA50357E	OVA50281E

> Quick Signal

Self-diagnosis version (Activa)  
Standard version  
IP40, IK07  
see page 34



STD, Exit sign screens



Visibility (m)	Autonomy (h)	Emergency exit signs (screen not included)	Exit sign screens for 1 side signalling	Exit sign screens for 2 sides signalling	EN Exit sign screens for 1 or 2 sides			
<b>Self-diagnosis version (Activa)</b>								
28	1	OVA38506E	OVA50319E	OVA50320E	OVA50321E	OVA50322E	OVA50323E	OVA50324E
<b>Standard version</b>								
28	1	OVA38504E	OVA50319E	OVA50320E	OVA50321E	OVA50322E	OVA50323E	OVA50324E
	3	OVA38505E	OVA50319E	OVA50320E	OVA50321E	OVA50322E	OVA50323E	OVA50324E

> Lys

Self-diagnosis version (Activa)  
IP42, IK07  
see page 40



Exit sign screens

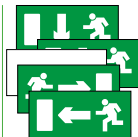


Type	Visibility (m)	Autonomy (h)	Emergency exit signs	Exit sign screens for 1 side signalling	Exit sign screens for 2 sides signalling			
Lys-W	25 / 30	1	OVA38083	OVA53046	OVA53047	OVA53048	OVA53049	OVA53050
		3	OVA38084	OVA53046	OVA53047	OVA53048	OVA53049	OVA53050
Lys-FL	25 / 30	1	OVA38081	OVA53046	OVA53047	OVA53048	OVA53049	OVA53050
		3	OVA38082	OVA53046	OVA53047	OVA53048	OVA53049	OVA53050
Lys-F	25 / 30	1	OVA38079	OVA53046	OVA53047	OVA53048	OVA53049	OVA53050
		3	OVA38080	OVA53046	OVA53047	OVA53048	OVA53049	OVA53050
Lys-C	25 / 30	1	OVA38077	OVA53046	OVA53047	OVA53048	OVA53049	OVA53050
		3	OVA38078	OVA53046	OVA53047	OVA53048	OVA53049	OVA53050

**Spare parts**



P92995



Flag bracket (spare part)

Pictogram sticker set (spare part)

OVA50355E

OVA50246E

OVA50355E

OVA50246E

OVA50355E

OVA50246E

**ISO, Exit sign screens**

SALIDA

+ P99857

SALIDA

+



+ P147029



+ P147030



+ P146885



+ P147024



+ P147025



ES  
Exit sign  
screens  
for 1 or 2 sides

OVA53032E

OVA53124

OVA53125

OVA53126

OVA53127

OVA53128

**Accessories**



P98732



P101293

False ceiling  
mounting kit

Hanging kit

**Spare parts**



P101295



P101302

Wall / flag  
type bracket

Batteries  
Ni-Cd

OVA53032E

OVA53124

OVA53125

OVA53126

OVA53127

OVA53128

OVA50318E

OVA50314E

OVA50316E

OVA51014E

OVA53032E

OVA53124

OVA53125

OVA53126

OVA53127

OVA53128

OVA50318E

OVA50314E

OVA50316E

OVA51014E

OVA53032E

OVA53124

OVA53125

OVA53126

OVA53127

OVA53128

OVA50318E

OVA50314E

OVA50316E

OVA51014E

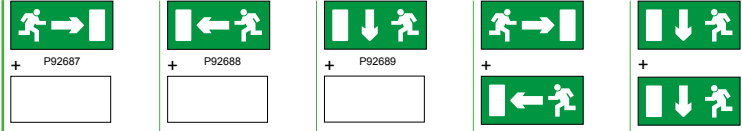
Emergency exit signs

> **Maxi Slim**  
Standard version  
IP40  
see page 46



P101277

Exit sign screens



+ P92687

+ P92688

+ P92689

+ P92690

+ P92691

Visibility (m)	Autonomy (h)	Emergency exit signs	Exit sign screens for 1 side signalling			Exit sign screens for 2 sides signalling	
60	1	<b>OVA38072E</b>	<b>OVA53000E</b>	<b>OVA53001E</b>	<b>OVA53002E</b>	<b>OVA53003E</b>	<b>OVA53004E</b>
	3	<b>OVA38073E</b>	<b>OVA53000E</b>	<b>OVA53001E</b>	<b>OVA53002E</b>	<b>OVA53003E</b>	<b>OVA53004E</b>
80	1	<b>OVA38074E</b>	<b>OVA53005E</b>	<b>OVA53006E</b>	<b>OVA53007E</b>	<b>OVA53008E</b>	<b>OVA53009E</b>
	3	<b>OVA38075E</b>	<b>OVA53005E</b>	<b>OVA53006E</b>	<b>OVA53007E</b>	<b>OVA53008E</b>	<b>OVA53009E</b>

Conversion kits

> **Evx Ferro**  
Standard version  
see page 52



P93022

Spare parts



P101301



P101300

Batteries	Conversion kits	Batteries Ni-Cd	LED
3.6 V - 2 Ah	side by side	<b>OVA43101E</b>	<b>OVA51027E</b>
5 VA	in line	<b>OVA43102E</b>	<b>OVA51026E</b>
3.6 V - 4 Ah	side by side	<b>OVA43103E</b>	<b>OVA51029E</b>
5 VA	in line	<b>OVA43104E</b>	<b>OVA51028E</b>
3.6 V - 2 Ah	in line	<b>OVA43105E</b>	<b>OVA51026E</b>
4.5 VA			
3.6 V - 4 Ah	in line	<b>OVA43106E</b>	<b>OVA51028E</b>
7 VA			

> **Evx Power T5 AC**  
Standard version  
see page 54



P93023

Spare parts



P101294



P101300

Batteries	Conversion kits	Batteries Ni-Cd	LED
6 V - 4.5 Ah	in line	<b>OVA43114</b>	<b>OVA51046E</b>
6 V - 4.5 Ah	in line	<b>OVA43115</b>	<b>OVA51046E</b>
6 V - 7 Ah	in line	<b>OVA43116</b>	<b>OVA51073</b>

Remote control

> **Teleur**  
see page 65



P93007

Maximum number of luminaires	Width in modules of 18 mm	Remote control
100	4.4	<b>OVA50325E</b>
500	4	<b>OVA50326E</b>



### Accessories



P98692

### Spare parts



P101296



P101297

Protective grids

Fluorescent tube

Batteries  
Ni-Cd

OVA53010E

OVA51034E

OVA51019E

OVA53010E

OVA51034E

OVA51019E

OVA53011E

OVA51035E

OVA51039E

OVA53011E

OVA51035E

OVA51039E

## Portable emergency lamps

### > Top 4

IP40

see page 60



P93029

### Accessories



P93163



P93036



P93159

### Spare parts



P101304



P101307



P101305

Lamp and autonomy

main auxiliary

6 W - 4 h 1.5 W - 15 h

Portable  
emergency lamp

OVA41317E

Lamp supports

OVA50360E

Diffuser  
signaller

OVA50315E

Charger

OVA50358E

Battery  
Pb

OVA51023E

Main lamp

OVA51001E

Auxiliary lamp

OVA51000E

### > Toplux

IP55

see page 61



P93031

### Accessories



P93163



P93036



P93159

### Spare parts



P101304



P101289



P101305

Lamp and autonomy

main auxiliary

10 W - 1 h 30 1.5 W - 15 h

10 W - 4 h 1.5 W - 24 h

Portable  
emergency lamp

OVA41318E

OVA41319E

Lamp supports

OVA50360E

OVA50360E

Diffuser  
signaller

OVA50315E

OVA50315E

Charger

OVA50358E

OVA50358E

Batteries  
Pb

OVA51023E <sup>(1)</sup>

OVA51036E <sup>(2)</sup>

Main lamp

OVA51002E

OVA51002E

Auxiliary lamp

OVA51000E

OVA51000E

(1) Lead battery

(2) Ni-Cd battery

### > Jodiolux

IP65, IK07

see page 62



P93033

### Accessories



P101303



P93159

### Spare parts



P101306



P101289



P101305

Lamp and autonomy

main auxiliary

10 W - 4 h 1.5 W - 24 h

Portable  
emergency lamp

OVA41033E

Lamp supports

OVA50359E

Charger

OVA50358E

Battery  
Ni-Cd

OVA51020E

Main lamp

OVA51002E

Auxiliary lamp

OVA51000E

## 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.

PG1607



School, administration building, etc.

ELP03642



Hotel, office, museum, etc.

P101575



Outdoors, factory, very high warehouse, etc.

## ➤ Easy to install and maintain

- Special holes for fast, simplified mounting and dismantling.
- Quick connection by plug-in terminal board.
- Heads that can swivel in all directions.
- Self-diagnosis version.



Special holes.



Quick connection.



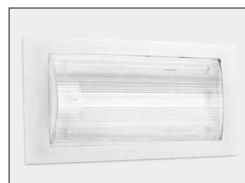
Swivelable heads.

## Design

- Simple and discreet.
- Choice of three colours.
- Reinforced sealing.



Discreet.



Versatile.



Sealing, IP65.

## Adaptable

Into emergency exit signs: enhanced with "running man" type stickers.



## Intelligent

Lighting units can be deactivated during periods of building inactivity (with Teleur remote control).



Teleur.

## "Zoom on"

### Self-diagnosis version (Activa): Save time during test and maintenance!

Some light fittings are available in a self-test version (Smartbeam, Astro Guida, Quick Signal, Lys).



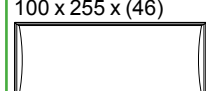
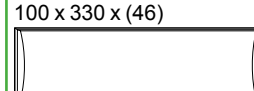
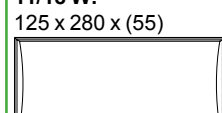
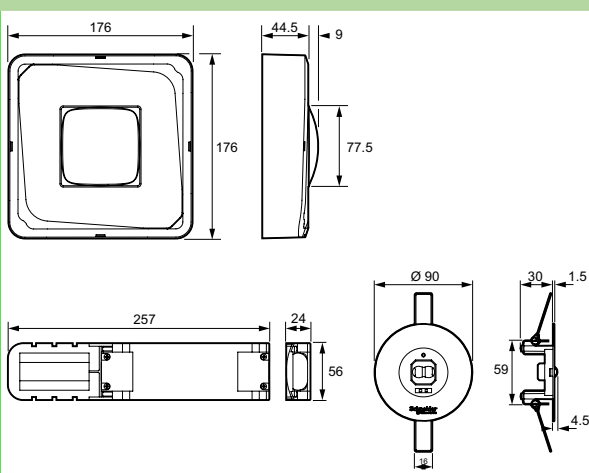
These devices make their operational tests.

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.





Range	Rilux	Smartbeam
		
<b>Technical specifications</b>		
Protection rating	IP40	IP42/IP65
Self-diagnosis	-	■
Autonomy	1 h ■ IK06 / 07 1.5 h ■ IK06 3 h ■ IK06	- ■ IK04 / 07 ■ IK04 / 07
Adptable exit sign	■	■
<b>Average flux in non-maintained mode</b>		
70 lm	■ Standard	-
90 lm	■ Standard	-
100 lm	■ LED	-
150 lm	■ LED	-
180 lm	■ Standard	-
190/200/210/220 lm	-	■
225 lm	■ LED	-
250 lm	■ Standard	-
390 lm	-	■
<b>Average flux in maintained mode (emergency condition)</b>		
75 lm	■ Standard	-
170 lm	■ LED	-
190/200/210/220 lm	-	■
390 lm	-	■
<b>Installation methods</b>		
Wall	■	■
Flush	-	■
Ceiling	■	■
High ceiling	-	■
False ceiling	-	■
<b>Dimensions (mm) - h x w x (d)</b>		
The drawings are scale drawings  <b>6 W:</b> 100 x 255 x (46)  <b>8 W/LED:</b> 100 x 330 x (46)  <b>11/18 W:</b> 125 x 280 x (55)		
Page	14	18

<b>Range</b>	<b>Smartduo</b>
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P148276



<b>Technical specifications</b>	
---------------------------------	--

Protection rating	IP65
Self-diagnosis	
Autonomy	■ IK07
	1 h
	3 h
Adaptable exit sign	

<b>Average flux in non-maintained mode</b>	
--	--

50 lm	-
100 lm	-
150 lm	-
200 lm	-
400 lm	-
640 lm	-
2400 lm	■ IK07

<b>Average flux in maintained mode (emergency condition)</b>	
--	--

100 lm	-
145 lm	-

<b>Installation methods</b>	
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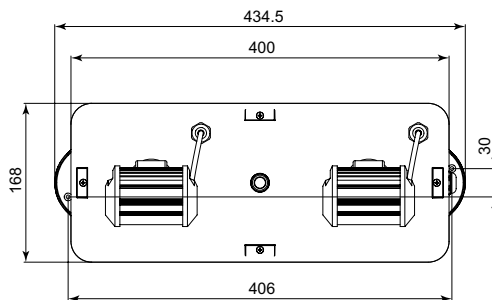
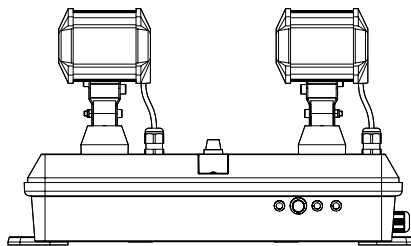
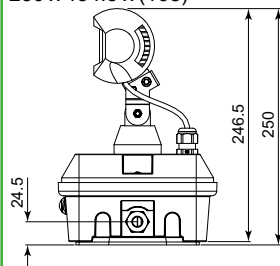
Wall	■ Horizontally or vertically
Flush	-
Ceiling	-
False ceiling	-
45° mounting	-
Hanging	-
Electrified track	-

<b>Dimensions (mm) - h x w x (d)</b>	
--------------------------------------	--

The drawings are scale drawings

**2 x 18 W**  
250 x 434.5 x (168)

P99873



**Good performance and attractive design at the right price!**

P93014



P147237



Up to  
**250**  
lumens

P103011



P103015



**3. Access from five sides**

With easy-to-drill and pre-stamped holes and 16 mm Ø tube inlet.



## 1. Discrete and aesthetic design

P101283



Small and nicely shaped.

## 2. Fast installation

P103012



The connector is fitted right from the start.

P101278



Handy: special holes for fitting and removing while leaving the screw in place.

P103013



The connector passes through the quick mounting plate and easily clips into place.

P103014



Mechanical and electrical links are made when the unit clips into place at the last moment.

## 4. Easy to transform

P101286



The light fitting can be transformed into an Exit sign with a set of stickers.

P147237



### Technical specifications

- Available for maintained or non-maintained operation
- Installation: quick mounting on wall or ceiling
- Compliant with EN 60598-2-22 standard
- Only fluorescent references (standard versions) can be inhibited with rest mode via Teleur range of remote controls
- LED references can't be inhibited
- Protection rating: IP40, IK06 / 07
- Insulation class: II □
- Operating temperature: 0...40°C
- Fire behaviour (EN 60695-2-10), incandescent wire: 850°C
- Light source:
  - fluorescent lamp
  - long-lasting LED light source (> 10 years expected in typical ambient temperature\* condition)
- Power supply: 230 V, 50 Hz
- Complete recharge:
  - 12 h for products with 1 h and 1.5 h autonomy
  - 24 h for products with 3 h autonomy.

CE

P92716

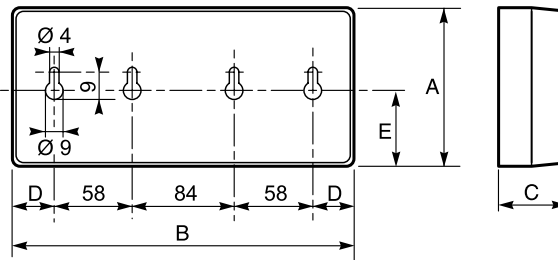


Quick mounting

(\* Typical environment temperature: 25°C.

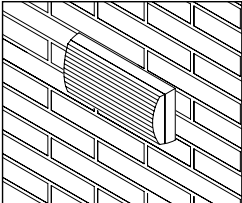
### Dimensions(mm)

P92718

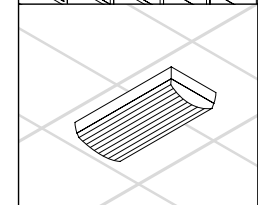


### Installation methods

P92717



**Wall**  
(installation without accessories)



**Ceiling**  
(installation without accessories)

	Dimensions (mm)				
	A	B	C	D	E
6 W	100	255	46	27	48
8 W/LED	100	330	46	65	48
11/18 W	125	280	55	40	56


### Product catalogue numbers

P93014



Rilux Standard versions	Protection rating		Autonomy (h)	Average flux (lm)		Lamp rated power (W)	socket	Consumption (VA)	Ni-Cd battery		Weight (kg)	Cat. no.	
	IP40	IK06		emergency condition	maintained mode				V	Ah			
<b>Non-maintained</b>													
	IP40	IK06	1	70	-	6	G5	2.5	2.4 V	1.5 Ah	0.55	OVA37066E	
				90	-	8	G5	2.5	2.4 V	1.5 Ah	0.63	OVA37067E	
				IK07	180	-	11	2G7	2.9	4.8 V	1.5 Ah	0.75	OVA37069E
					250	-	18	2G11	3.0	7.2 V	1.5 Ah	0.85	OVA37070E
	IK06	3	90	-	8	G5	2.7	6.0 V	1.5 Ah	0.80	OVA37068E		
<b>Maintained</b>													
	IP40	IK06	1	75	90	8	G5	10.1	6.0 V	0.6 Ah	0.65	OVA37071E	
				3	75	90	8	G5	10.8	6.0 V	1.5 Ah	0.80	OVA37072E









## Product catalogue numbers (cont.)

Rilux LED versions (1)	Protection rating	Autonomy (h)	Average flux (lm)		Equivalent lamp power (W)	Luminary Source	Consumption (VA)	Ni-Cd battery		Weight (kg)	Cat. no.	
			emergency condition	maintained mode								
	<b>Non-maintained</b>											
	IP40 IK06	1.5	100	-	8	LED	12	3.6 V	0.8 Ah	0.46	<b>OVA37105</b>	
			150	-	11	LED	24	3.6 V	1.5 Ah	0.55	<b>OVA37108</b>	
		1	225	-	24	LED	24	3.6 V	1.5 Ah	0.80	<b>OVA37107</b>	
	<b>Maintained</b>											
	IP40 IK06	1.5	170	120	11-24	LED	24	3.6 V	1.5 Ah	0.65	<b>OVA37106*</b>	



(\*) Luminaire is not suitable for general lighting applications according to Directive 2009/125/EC.

(1) LED versions can't be inhibited.

## Accessory catalogue numbers

	Compatibility	Dimensions (mm) height x width x depth	Cat. no.
<b>Pictogram stickers (set of 10)</b> 	Rilux 6 W	88 x 240	<b>OVA50236E</b>
	Rilux 8 W/LED	88 x 316	<b>OVA50238E</b>
	Rilux 11/18 W	120 x 264	<b>OVA50240E</b>
<b>Pictogram stickers (set of 10)</b> 	Rilux 6 W	88 x 240	<b>OVA50247E</b>
	Rilux 8 W/LED	88 x 316	<b>OVA50249E</b>
	Rilux 11/18 W	120 x 264	<b>OVA50251E</b>
<b>Pictogram stickers (set of 10)</b> 	Rilux 6 W	88 x 240	<b>OVA50248E</b>
	Rilux 8 W/LED	88 x 316	<b>OVA50250E</b>
	Rilux 11/18 W	120 x 264	<b>OVA50252E</b>
<b>Pictogram stickers (set of 10)</b> 	Rilux 6 W	88 x 240	<b>OVA50237E</b>
	Rilux 8 W/LED	88 x 316	<b>OVA50239E</b>
	Rilux 11/18 W	120 x 264	<b>OVA50241E</b>
<b>ISO pictogram stickers (set of 4)</b> Right, left, down, up 	Rilux 8 W/LED	88 x 316	<b>OVA53179</b>
<b>Protective grids</b> 	Rilux 6 /11/18 W	170 x 333 x 89	<b>OVA50343E</b>
	Rilux 8 W/LED	180 x 393 x 89	<b>OVA50344E</b>
<b>Teleur remote control</b> 	<ul style="list-style-type: none"> <li>Fluorescent tube, standard versions only (for 100 luminaires)</li> <li>Not for LED versions</li> </ul>	102 x 77 x 81 4.5 mod. of 18 mm	<b>OVA50325E</b>
	<b>Teleur 500 remote control</b> 	<ul style="list-style-type: none"> <li>Fluorescent tube, standard versions only (for 500 luminaires)</li> <li>Not for LED versions</li> </ul>	90 x 71 x 60 4 mod. of 18 mm

## Spare parts catalogue numbers

	Description	Compatibility	Cat. no.
<b>Fluorescent tubes</b> 	6 W, G5	OVA37066E	<b>OVA51057</b>
	8 W, G5	OVA37067E, OVA37068E	<b>OVA51006E</b>
		OVA37071E, OVA37072E	<b>OVA51007E</b>
	11 W, 2G7	OVA37069E	<b>OVA51009E</b>
	18 W, 2G11	OVA37070E	<b>OVA51011E</b>
<b>Batteries (Ni-Cd)</b> 	2.4 V, 1.5 Ah	OVA37066E, OVA37067E	<b>OVA51012E</b>
	3.6 V, 0.8 Ah	OVA37105	<b>OVA51162</b>
	3.6 V, 1.5 Ah	OVA37106, OVA37107, OVA37108	<b>OVA51143</b>
	4.8 V, 1.5 Ah	OVA37069E	<b>OVA51016E</b>
	6 V, 1.5 Ah	OVA37068E, OVA37072E	<b>OVA51019E</b>
	6 V, 0.6 Ah	OVA37071E	<b>OVA51018E</b>
	7.2 V, 1.5 Ah	OVA37070E	<b>OVA51021E</b>

P147581



Recessed version - IP42



### Technical specifications

- Available for maintained operation and non-maintained operation, the selection is made on the connector or using on board switch
- Compliant with IEC/EN 60598-1, IEC/EN 60598-2-22, IEC/EN 62034, IEC/EN 62471 - group 1 standards
- ENEC certification
- Can be inhibited with rest mode via Smart TBS of remote controls
- Protection rating: IP42/IK04, IP65/IK07
- Insulation class: II
- Operating temperature: 0...40°C
- Fire behaviour (EN 60695-2-10), incandescent wire: 850°C
- Case of self-extinguishing polycarbonate 94V-2 (UL 94)
- Long-lasting LED light source 1 x 10 W (> 10 years expected in typical ambient temperature\* condition)
- Power supply: 220/230 V, 50/60 Hz
- Complete recharge in 12 h
- Battery: LiFePO4 technology with longer lifetime
- Dedicated references available for:
  - recessed installation in false ceiling or surface ceiling installation with Escape route (1 lux) or Open Area (0.5 lux)

(\* ) Typical environment temperature: 25°C.

P147334



Surface version - IP65

### Accessories

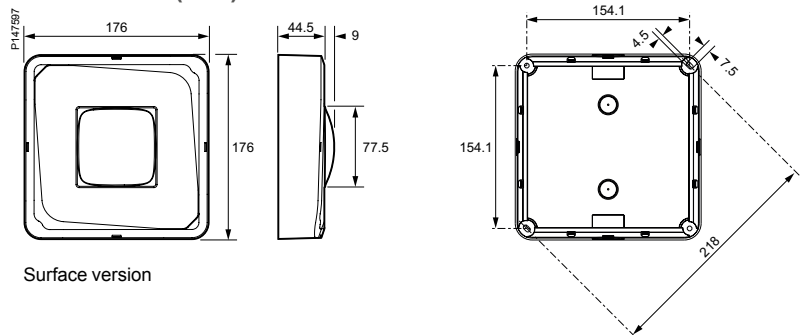
- **Vetosignal kit:** includes an external adaptor (as 90 mm adaptor ring) with fixing clips for the panel and a set of ISO pictograms (set of 5) right, left, down, up, opaline
- **Pictogram screen kit:** set of 45° ISO pictograms for Vetosignal (set of 4) right/down, left/down, right/up, left/up
- **Adaptor ring:** for substitution in bigger holes (more than 90 mm up to 135 mm).

P147331



Recessed version with Vetosignal kit accessory

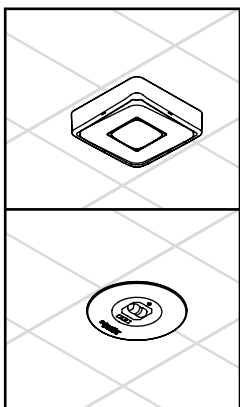
### Dimensions(mm)



Surface version

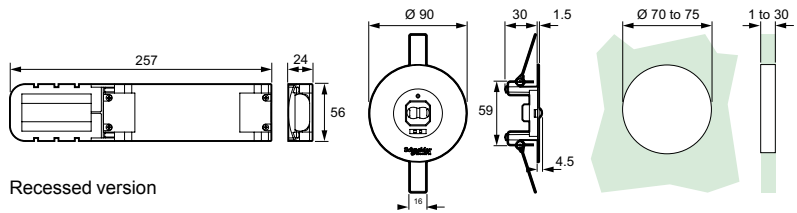
### Installation methods

P147885

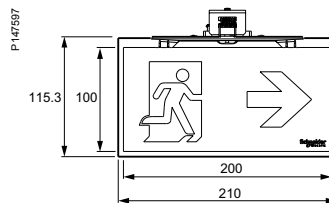


**Surface mounting**  
(installation without accessories)

**False ceiling**  
(installation without accessories)





Recessed version



Recessed version with Vetosignal kit accessory




## Product catalogue numbers


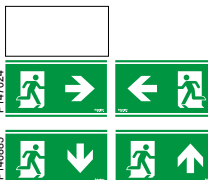
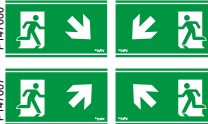



Exiway Smartbeam Standard	Protection rating	Autonomy (h)	Average flux (lm)		Consumption N.M/M		LiFePO4 battery		Weight (kg)	Cat. no.
			emergency condition	maintained mode	(VA)	(W)	(V)	(Ah)		
False ceiling 	<b>Escape route</b>									
	IP42 IK04	1.5	200	200	3.9/ 8.3	0.43/ 3.5	3.2	1.5	0.292	<b>OVA48902</b>
		3	200	200	4.6/ 8.7	0.52/ 3.5	6.4	1.5	0.335	<b>OVA48904</b>
	<b>Open area</b>									
	IP42 IK04	1.5	220	220	3.9/ 8.3	0.43/ 3.5	3.2	1.5	0.292	<b>OVA48903</b>
		3	220	220	4.6/ 8.7	0.52/ 3.5	6.4	1.5	0.335	<b>OVA48900</b>
Surface 	<b>Escape route</b>									
	IP65 IK07	1.5	190	190	3.9/ 8.3	0.43/ 3.5	3.2	1.5	0.479	<b>OVA48905</b>
		3	190	190	4.6/ 8.7	0.52/ 3.5	6.4	1.5	0.524	<b>OVA48901</b>
	<b>Open area</b>									
	IP65 IK07	1.5	220	220	3.9/ 8.3	0.43/ 3.5	3.2	1.5	0.479	<b>OVA48906</b>
		3	220	220	4.6/ 8.7	0.52/ 3.5	6.4	1.5	0.524	<b>OVA48907</b>

(\*) Luminaire is not suitable for general lighting applications according to Directive 2009/125/EC.

## Spare parts catalogue numbers

	Description	Compatibility	Cat. no.
	3.2 V, 1.5 Ah	OVA48902 OVA48903 OVA48905 OVA48906	<b>OVA51154</b>
	6.4 V, 1.5 Ah	OVA48904 OVA48900 OVA48901 OVA48907	<b>OVA51157</b>

## Accessory catalogue numbers

	Compatibility	Dimensions (mm) height x width x depth	Cat. no.
<b>Vetrosignal kit</b> Visibility 20 m 	False ceiling - escape route	115 x 210	<b>OVA53180</b>
with ISO pictograms (set of 5) right, left, down, up, opaline 			
<b>Pictogram screen kit 45°</b> 	False ceiling - escape route	115 x 210	<b>OVA53183</b>
<b>Adaptator ring</b> 	False ceiling	Ø 140	<b>OVA53181</b>
<b>Smart TBS 150</b> 	All models (for 150 luminaires)	90 x 85 x 68 5 mod. of 18mm	<b>OVA53161</b>
<b>Smart TBS 250</b> 	All models (for 250 luminaires)	90 x 85 x 68 5 mod. of 18mm	<b>OVA53162</b>

# Smartbeam

Self-diagnosis versions (Activa) IP42/IK04, IP65/IK07

P147581



Recessed version - IP42



### Technical specifications

- Available for maintained operation and non-maintained operation, the selection is made on the connector or using on board switch
  - Self-diagnosis version (Activa)
  - Compliant with IEC/EN 60598-1, IEC/EN 60598-2-22, IEC/EN 62034, IEC/EN 62471 - group 1 standards
  - ENEC certification
  - Can be inhibited with rest mode via Smart TBS or remote controls
  - Protection rating: IP42/IK04, IP65/IK07
  - Insulation class: II □
  - Operating temperature: 0...40°C
  - Fire behaviour (EN 60695-2-10), incandescent wire: 850°C
  - Case of self-extinguishing polycarbonate 94V-2 (UL 94)
  - Long-lasting LED light source 1 x 10 W (> 10 years expected in typical ambient temperature\* condition)
  - Power supply: 220/230 V, 50/60 Hz
  - Complete recharge in 12 h
  - Battery: LiFePO4 technology with longer lifetime
  - Dedicated references available for:
    - recessed installation in false ceiling or surface ceiling installation with Escape route (1 lux) or Open Area (0.5 lux)
    - 5 lux versions are dedicated to being installed near each fire-fighting and alarm devices (according to EN 1838)
    - High ceiling versions dedicated to ceiling higher than 7 meters. Up to 15 meters for Open Area and 18 meters for Escape route version.
- (\* ) Typical environment temperature: 25°C.

P147334



Surface version - IP65

### Accessories

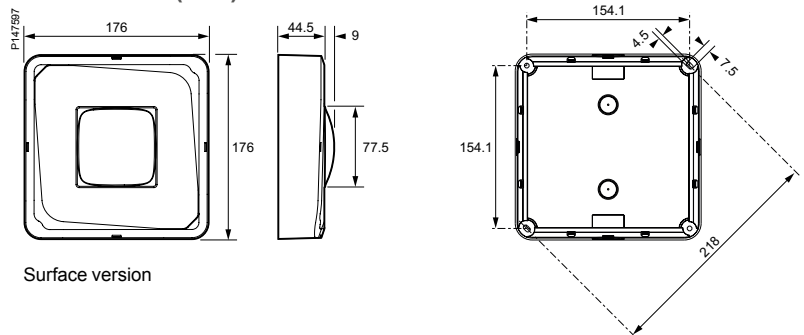
- **Vetrosignal kit:** includes an external adaptor (as 90 mm adaptor ring) with fixing clips for the panel and a set of ISO pictograms (set of 5) right, left, down, up, opaline
- **Pictogram screen kit:** set of 45° ISO pictograms for Vetrosignal (set of 4) right/down, left/down, right/up, left/up
- **Adaptor ring:** for substitution in bigger holes (more than 90 mm up to 135 mm).

P147331



Recessed version with Vetrosignal kit accessory

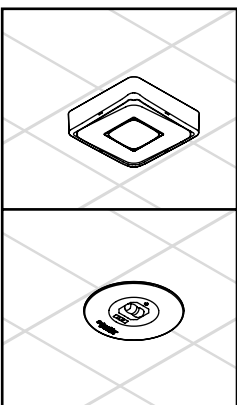
### Dimensions(mm)



Surface version

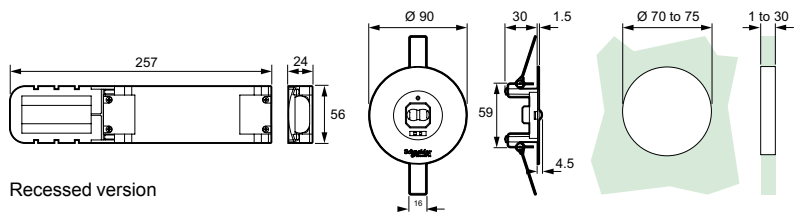
### Installation methods

P147885

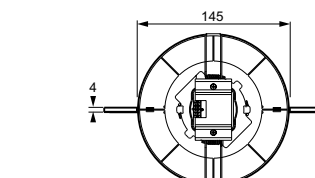
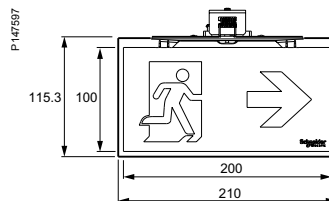


**Surface mounting**  
(installation without accessories)

**False ceiling**  
(installation without accessories)





Recessed version




Recessed version with Vetrosignal kit accessory

## Product catalogue numbers


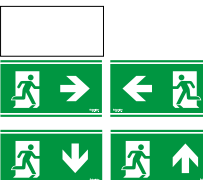
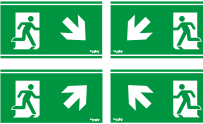



Exiway Smartbeam Activa	Protection rating	Autonomy (h)	Average flux (lm)		Consumption N.M/M		LiFePO4 battery		Weight (kg)	Cat. no.
			emergency condition	maintained mode	(VA)	(W)	(V)	(Ah)		
P147334 	<b>False ceiling</b>									
	<b>Escape route</b>									
	IP42 IK04	1.5	200	200	3.9/ 8.3	0.43/ 3.5	3.2	1.5	0.292	<b>OVA48920</b>
		3	200	200	4.6/ 8.7	0.52/ 3.5	6.4	1.5	0.335	<b>OVA48922</b>
	<b>Open area</b>									
	IP42 IK04	1.5	220	220	3.9/ 8.3	0.43/ 3.5	3.2	1.5	0.292	<b>OVA48921</b>
		3	220	220	4.6/ 8.7	0.52/ 3.5	6.4	1.5	0.335	<b>OVA48923</b>
	<b>5 lux</b>									
	IP42 IK04	3	210	210	4.6/ 8.7	0.52/ 3.5	6.4	1.5	0.305	<b>OVA48928</b>
	P147333 	<b>Surface</b>								
<b>Escape route</b>										
IP65 IK07		1.5	190	190	3.9/ 8.3	0.43/ 3.5	3.2	1.5	0.479	<b>OVA48924</b>
		3	190	190	4.6/ 8.7	0.52/ 3.5	6.4	1.5	0.524	<b>OVA48926</b>
<b>Open area</b>										
IP65 IK07		1.5	220	220	3.9/ 8.3	0.43/ 3.5	3.2	1.5	0.479	<b>OVA48925</b>
		3	220	220	4.6/ 8.7	0.52/ 3.5	6.4	1.5	0.524	<b>OVA48927</b>
<b>High ceiling - Escape route</b>										
IP65 IK07		3	390	390	5.5/ 13.1	0.54/ 5.75	6.4	3.2	0.620	<b>OVA48930</b>
<b>High ceiling - Open area</b>										
IP65 IK07	3	390	390	5.5/ 13.1	0.54/ 5.75	6.4	3.2	0.620	<b>OVA48929</b>	
<b>5 lux</b>										
IP65 IK07	3	200	200	4.6/ 8.7	0.52/ 3.5	6.4	1.5	0.525	<b>OVA48931</b>	

(\* ) Luminaire is not suitable for general lighting applications according to Directive 2009/125/EC.

## Spare parts catalogue numbers

	Description	Compatibility	Cat. no.
P147391 	3.2 V, 1.5 Ah	OVA48920 OVA48921 OVA48924 OVA48925	<b>OVA51154</b>
	6.4 V, 1.5 Ah	OVA48922 OVA48923 OVA48926 OVA48927 OVA48928 OVA48931	<b>OVA51157</b>
	6.4 V, 3.2 Ah	OVA48929 OVA48930	<b>OVA51158</b>

## Accessory catalogue numbers

	Compatibility	Dimensions (mm) height x width x depth	Cat. no.
P147331  Vetrosignal kit Visibility 20 m	False ceiling - escape route	115 x 210	<b>OVA53180</b>
with ISO pictograms (set of 5) right, left, down, up, opaline P147024 			
P147606  Pictogram screen kit 45°	False ceiling - escape route	115 x 210	<b>OVA53183</b>
P147577  Adaptator ring	False ceiling	Ø 140	<b>OVA53181</b>
P148939  Smart TBS 150	All models (for 150 luminaires)	90 x 85 x 68 5 mod. of 18mm	<b>OVA53161</b>
P148939  Smart TBS 250	All models (for 250 luminaires)	90 x 85 x 68 5 mod. of 18mm	<b>OVA53162</b>

## Security guard in large spaces.

High power and luminosity for buildings with high ceilings.  
High risks areas.  
Fully recharged in **12** hours.



P148347

P148276



### 6. LED lighting



P148349

Provides up to 2400 lumens with 2 high performance LED headlights.



P148354

Leds are cooled for a longer life span.

### 7. Adjustable beams



P148374

Two individually adjustable beams.  
Each led headlight turns around its axis from around -90° to +90° so that they can be turned in any direction, both horizontal and vertical.

### 8. Batteries



P148337

Lithium Iron Phosphate batteries with an expected lifetime of 10 years.

### 9 Stand by light



P108301

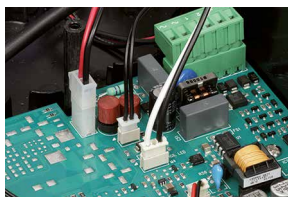
Mains presence LED, courtesy light at 8 lm to easily identify the emergency lighting.





## 1. Reliable installation

P148344



Easy to connect and fit.

P148369



## 2. Easy to maintain

P148367



Easy to maintain and replace parts.

P148338



## 3. Extremely robust to provide a high level of protection

P148341



Ready for installation outside: IP65.  
Robust: IK07.  
Strong rubber gasket.

P148372



One cable gland is provided with the product as an accessory.

## 4. Push button

P106301



Push button available for manual test.  
The 2 red and green LED indicators display the product status.

## 5. Laser function

P106301



Laser function maintenance thanks to laser receiver on the product.

# Smartduo (cont.)

## Self-diagnosis version (Activa), IP65, IK07

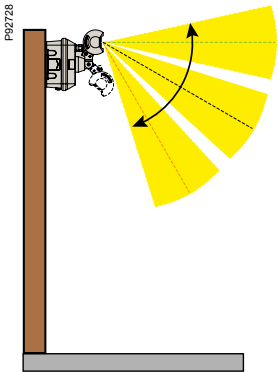


### Technical Specifications

- Self-diagnosis version (Activa)
- 2 headlights with LED light source providing 1200 lm each
- The searchlights rotate on their axis from 90° to 45° for pointing in any direction
- Non-maintained emergency luminaire
- Compliant with IEC/EN 60598-1, IEC/EN 60598-2-22, IEC/EN 62034, IEC/ EN 62471 - group 2 standards
- ENEC certification
- Can be inhibited with rest mode via Smart TBS of remote controls. Cumulative fault feedback on Smart TBS
- Protection rating: IP65
- Insulation class: II
- Operating temperature: 0...40°C
- Fire behaviour (EN 60695-2-10), incandescent wire: 850°C
- Long-lasting LED light source 6 LEDs x 3 W each headlight (> 10 years expected in typical ambient temperature\* condition)
- Power supply: 230 V, 50/60 Hz
- Complete recharge in 12 h
- Battery: LiFePO4 technology with longer lifetime.

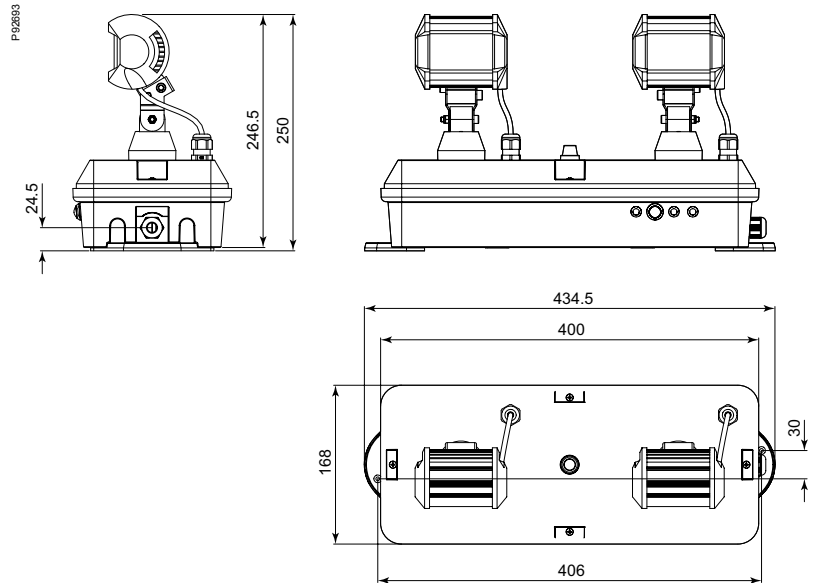
Fixing bracket and cable gland included in the product.

(\*) Typical environment temperature: 25°C.



Possible installation with vertical and horizontal regulation.


### Dimensions (mm)





Provided accessories : 2 fixing brackets, 1 cable gland and 1 connector




### Product catalogue number

Exiway Smartduo	Protection rating	Autonomy (h)	Average flux (lm)		Consumption in recharge (VA)	Consumption in maintenance (W)	Battery		Cat. no.
			emergency condition (N.M)	maintained mode (M)			(V)	(Ah)	
	<b>Non-maintained</b>								
	IP65, IK07	1	2400	-	11	1.5	12.8	6.4	<b>OVA48020</b>

### Accessory catalogue numbers

	Compatibility	Dimensions (mm) height x width x depth	Cat. no.
<b>Smart TBS 150</b> 	OVA48020 (for 150 luminaires)	90 x 85 x 68 5 mod. of 18mm	<b>OVA53161</b>
<b>Smart TBS 250</b> 	OVA48020 (for 250 luminaires)	90 x 85 x 68 5 mod. of 18mm	<b>OVA53162</b>

### Spare parts catalogue numbers

	Description	Compatibility	Dimensions (mm) height x width x depth	Cat. no.
<b>Batteries (LiFePO4)</b> 	12.8 V, 6.4 Ah	OVA48020	-	<b>OVA51169</b>

# Emergency exit signs



## Presentation

### Guide the public simply and effectively!

The "running man" is the **international symbol** use 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...



P98737-32



Hospital, school, etc.

P98736-32



Hotel, office, etc.

P101290



Airport, shopping mall, railway station hall, etc.



P83013



P110251-25



P101291



P108311-17



## > Easy to order and install

Delivered with:

- 5 pictogram stickers to produce all single- and double-sided versions.
- Bracket for flag installation.
- Cable gland.

## Elegant

- Round shape.
- Accessories for perfect integration into the building environment.

## Appropriate to all places

Large size visible up to 80 m.

## High tech

LED light source:

> 10 years expected service life (in typical ambient temperature\* condition).

\* Typical Temp: 25°C

## Self-diagnosis (Activa):

Quick Signal, Astro Guida and Lys are self-test solutions:

- Make their operational tests.
- Tell whether the light source, the battery or the device is defective.
- Diagnosis displayed by a diode (appropriate rate and appropriate colour).

## "Zoom on"

### Teleur remote control: small gesture, big benefits!



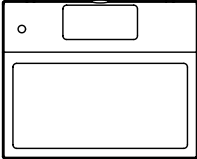
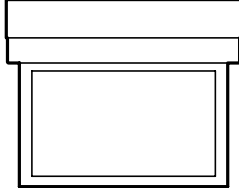
Teleur remote control permits to deactivate lighting units during periods of building inactivity. **Never a simple remote control has brought so many benefits:**

- Battery endurance is preserved. Even after long periods of inactivity.
- Longer service life of batteries: proof discharge is avoided.
- High availability and efficiency when building is open.
- Emergency light devices can be switch on or off during maintenance operations (tests of light source and battery autonomy).



P83007



	Astro Guida	Quick Signal
	<small>PS3012</small> 	<small>PS3180</small> 
<b>Technical specifications</b>		
Self-diagnosis	■	■
Protection rating	IP42, IK06	IP40, IK07
Visibility distance	24 m	28 m
Light source	Cold cathode (40,000 h)	LED (> 10 years )
Consumption	10 VA	4.1 VA
<b>Installation methods</b>		
Wall	■	■
Ceiling	■	■
False ceiling	■	■
Hanging	■	■
Electrified track	■	■
Flag type bracket	■	■
<b>Dimensions (mm) - h x w x (d)</b>		
The drawings are scale drawings	<small>PS3074</small> 213 x 261 x (35) 	<small>PS3075</small> 235 x 290 x (60) 
<b>Page</b>	<b>30</b>	<b>34</b>

## Lys

P122225



## Maxi Slim

P98889



- IP42, IK07
- 25 m or 30 m
- LED (80,000 h)
- 4.49 VA

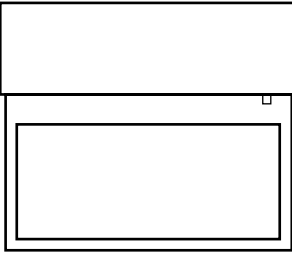
- IP40
- 60 or 80 m
- Cold cathode (40,000 h)
- 15 VA

- 
- 
- 
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- 
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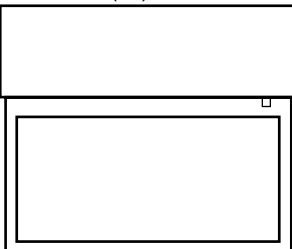
Visibility: 25 m  
245.2 x 305 x (50)

P107202



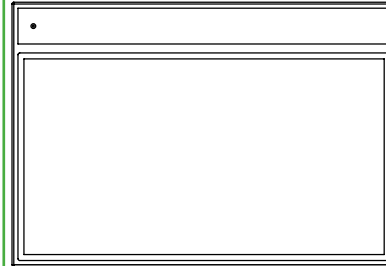
Visibility: 30 m  
268 x 305 x (50)

P122420



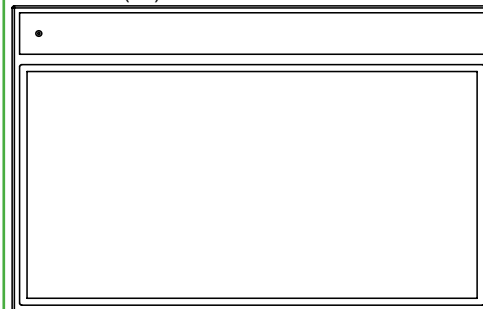
Visibility: 60 m  
443 x 644 x (80)

P98876



Visibility: 80 m  
523 x 804 x (80)

P108364



40

46

# Astro Guida

Self-diagnosis version (Activa), IP42, IK06

Standard version IP42, IK06

## All-terrain signs.

### The self-testing exit sign

An emergency exit sign that provides information on how it works, giving its status and, if there is a fault, the cause of the fault.

### Strong, versatile installation.

Wall, ceiling, suspended, electrical conduit, flag, etc.

### 2. Self-diagnosis



Self-testing light fitting that performs two types of diagnosis on one LED:  
 1. Tube verification.  
 2. Battery life check.

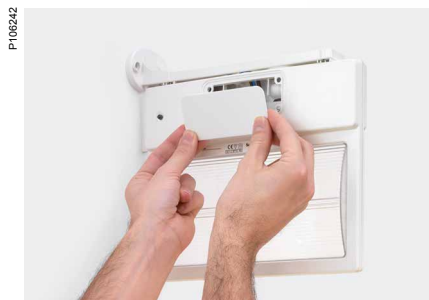
### 1. Practical installation



Wall mount with cable guide to facilitate installation and subsequent connection.



Removable cover for easy connection.



Personalization with easy to apply adhesive pictograms.





### 3. Quality

P106244



Cold cathode ray tube as the light source, providing a product service life of more than 4 years.

### 4. Just one set

P106245



There is just one set with everything necessary for installation, including a pack of 5 pictograms and the mount for flag installation.

# Astro Guida (cont.)

Self-diagnosis version (Activa), IP42, IK06  
Standard version IP42, IK06

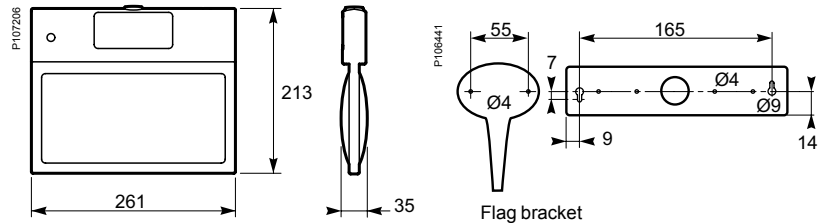


CE

### Technical specifications

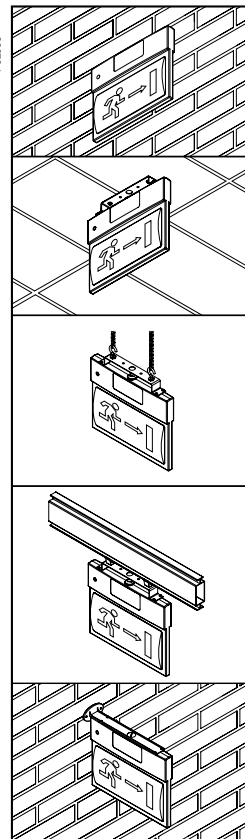
- Self-diagnosis version (Activa)
- Cold cathode light source (working life of 40,000 h)
- Ni-Cd battery for high efficiency applications
- Long life, no maintenance needed
- Compliant with EN 60598-2-22 standard
- Visibility distance of the sign in compliance with the new EN 1838 standard: 24 m
- Emergency exit sign operating in maintained modes
- Can be inhibited with rest mode via Teleur range of range remote controls
- 5 pictogram stickers included to create all single- and double-sided versions
- Bracket for flag installation included
- Protection rating: IP42, IK06
- Class II Ⓜ
- Operating temperature: 0...40°C
- Fire behaviour (EN 60695-2-10), incandescent wire: 850°C
- Power supply: 230 V, 50 Hz
- Complete recharge in 12 h for model with 1 h autonomy.

### Dimensions (mm)



Astro Guida with accessories included.

### Installation methods



**Wall**  
(installation without accessories)

**Ceiling**  
(installation with kit not included)

**Hanging**  
(installation with kit not included)

**Electrified track**  
(installation with kit not included)


**Flag type bracket**  
(installation with accessories included)







Installation with flag type bracket (included).




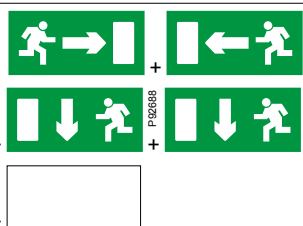
## Emergency exit sign catalogue numbers

Astro Guida screens included	Visibility (m)	Autonomy (h)	Consumption (VA)	Ni-Cd battery		Weight (kg)	Cat. no.
	<b>Self-diagnosis version</b>						
	<b>Maintained</b>						
	24	1	10	4.8 V	0.6 Ah	0.760	OVA38466E
	<b>Standard version</b>						
	<b>Maintained</b>						
	24	1	10	4.8 V	0.6 Ah	0.760	OVA38464E
	3	12	4.8 V	1.5 Ah	0.865	OVA38465E	

## Accessory catalogue numbers

	Compatibility	Dimensions (mm) height x width x depth	Cat. no.
<b>Ceiling, hanging and electrified track kit</b> 	All models		OVA50356E
<b>Protective grid IK10</b> 	All models	248 x 296 x 53	OVA50357E
<b>Teleur remote control</b> 	All models, for 100 luminaires	102 x 77 x 81 4.5 mod. of 18 mm	OVA50325E
	All models, for 500 luminaires	90 x 71 x 60 4 mod. of 18 mm	OVA50326E
<b>For 1 or 2 sides signalling</b> 		116 x 229	OVA50281E

## Spare parts catalogue numbers

	Cat. no.
<b>Flag bracket</b> 	OVA50355E
<b>Pictogram sticker set (5 pictograms for all single- and double-sided versions)</b> 	OVA50246E

# Quick Signal

Self-diagnosis version (Activa), IP40, IK07

Standard version IP40, IK07

## Elegant design.

### The self-testing exit sign

An emergency exit sign that provides information on how it works, giving its status and, if there is a fault, the cause of the fault.

Methacrylate sign.

Top quality rigid pictograms.

LED technology. Most agreeable lighting.

### 1. Fast installation

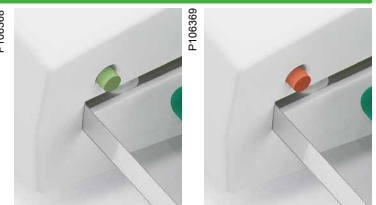


Wiring inlet box for easy connection of the removable connector.



Wiring inlet box for easy connection of the removable connector.

### 2. Self-diagnosis



Self-testing light fitting that performs two types of diagnosis on one LED:  
 1. Tube verification.  
 2. Battery life check.



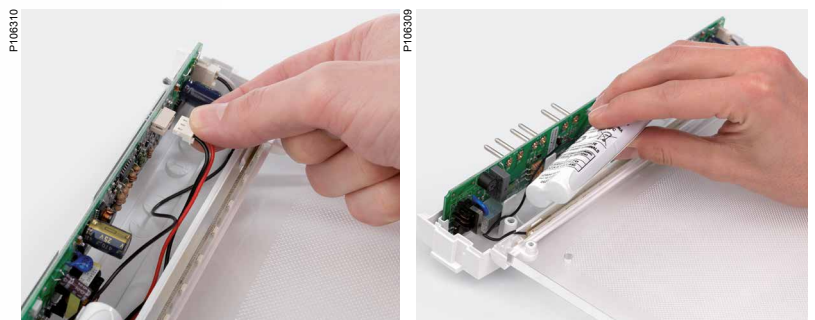
### 3. Clip-on pictograms



A most attractive result. The pictograms do not stick to the light fitting's methacrylate but clip onto it.

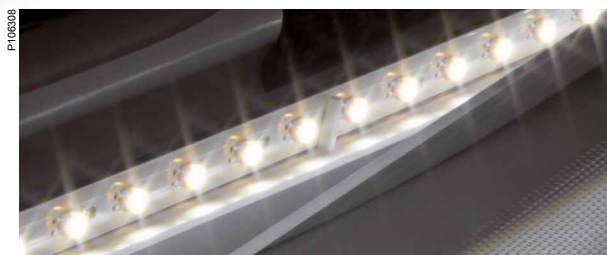


#### 4. Easy maintenance



There are replacement batteries available. The battery can be changed easily by just opening the top cover.

#### 5. LED lighting



A brighter light that is less diffused (more directed) thanks to the use of 15 LEDs.  
 Light source: long lasting LED light source (> 10 years expected in typical ambient temperature\* condition).

\* Typical Temp: 25°C

#### 6. Reliable connection



Removable connector with identification to prevent incorrect connection.

# Quick Signal (cont.)

Self-diagnosis version (Activa), IP40, IK07

Standard version IP40, IK07



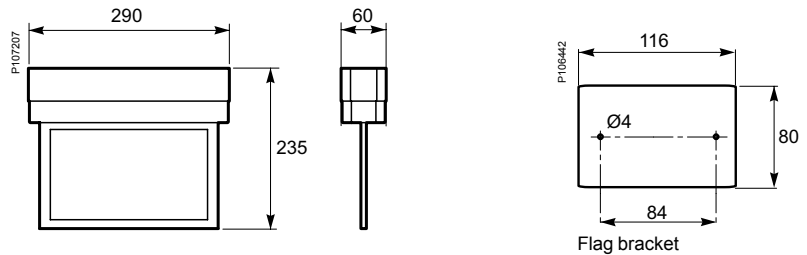
CE

### Technical specifications

- Self-diagnosis version (Activa)
- Long lasting LED light source (> 10 years expected in typical ambient temperature\* condition)
- Installation: quick mounting on wall, ceiling or flag
- Can be installed in false ceiling (with kit not included)
- Exit sign screens easy to install in precise position
- Compliant with EN 60598-2-22 standard
- Visibility distance of the sign in compliance with the new EN 1838 standard: 28 m
- Emergency exit sign operating in maintained modes
- Can be inhibited with rest mode via Teleur range of range remote controls
- Brackets for wall/flag installation included
- Protection rating: IP40, IK07
- Class II  $\square$
- Operating temperature: 0...40°C
- Fire behaviour (EN 60695-2-10), incandescent wire: 850°C
- Power supply: 230 V, 50 Hz
- Complete recharge in 12 h for model with 1 h autonomy.

\* Typical Temp: 25°C.

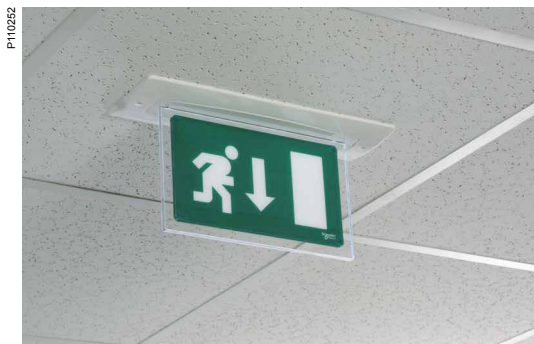
### Dimensions (mm)



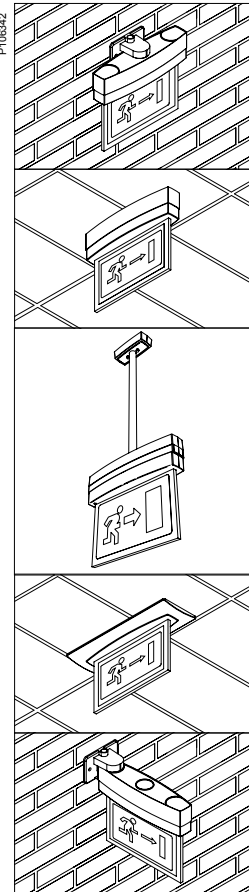
### Installation methods



Quick fix installation with wall / flag type bracket (included).



Installation with false ceiling mounting kit (not included).



**Wall**  
(installation with accessories included)


**Ceiling**  
(installation without accessories)

**Hanging**  
(installation with kit not included)











**False ceiling**  
(installation with kit not included)

**Flag type bracket**  
(installation with accessories included)

## Emergency exit sign catalogue numbers

Quick Signal screens not included	Visibility (m)	Autonomy (h)	Consumption (VA)	Ni-Cd battery	Weight (kg)	Cat. no.
	<b>Self-diagnosis version</b>					
	<b>Maintained</b>					
	28	1	4.1	4.8 V	0.6 Ah	0.80
	<b>Standard version</b>					
	<b>Maintained</b>					
28	1	4.1	4.8 V	0.6 Ah	0.80	<b>OVA38504E</b>
	3	4.1	4.8 V	0.6 Ah	0.90	<b>OVA38505E</b>

## Exit sign screen catalogue numbers

	Dimensions (mm) height x width	Cat. no.
<b>STD for 1 side signalling</b>		
	135 x 232	<b>OVA50319E</b>
	135 x 232	<b>OVA50320E</b>
	135 x 232	<b>OVA50321E</b>
<b>STD for 2 sides signalling</b>		
	135 x 232	<b>OVA50322E</b>
	135 x 232	<b>OVA50323E</b>
<b>ISO for 1 side signalling</b>		
	135 x 232	<b>OVA53124</b>
	135 x 232	<b>OVA53125</b>
<b>ISO for 1 or 2 sides signalling</b>		
	135 x 232	<b>OVA53126</b>
	135 x 232	<b>OVA53127</b>
	135 x 232	<b>OVA53128</b>






# Quick Signal (cont.)



Self-diagnosis version (Activa), IP40, IK07

Standard version IP40, IK07

## Accessory catalogue numbers

	Compatibility	Dimensions (mm) height x width x depth	Cat. no.
<b>False ceiling mounting kit</b> 	All models	97 x 324 x 85	<b>OVA50318E</b>
<b>Hanging kit</b> 	All models		<b>OVA50314E</b>
<b>Teleur remote control</b> 	All models, for 100 luminaires	102 x 77 x 81 4.5 mod. of 18 mm	<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

	Description	Compatibility	Cat. no.
<b>Batteries (Ni-Cd)</b> 	4.8 V, 0.6 Ah	OVA38504E, OVA38506E, OVA38505E	<b>OVA51014E</b>
	4.8 V, 1.5 Ah	All references produced before 2012	<b>OVA51015E</b>
<b>Wall / flag type bracket</b> 		All models	<b>OVA50316E</b>



The idea produces the design, the details produce the styling.

A lacquered metal base with a flush screen



A metal base with  
no visible mounting  
screws

- Wall mounted
- Flag mounted
- Flush mounted
- Hanging

# Refinement and sobriety

for modern and classical atmospheres



# Lys

## Activa version (self-diagnosis), IP42, IK07



Lys-W, wall mounted  
CE



Lys-FL, flag mounted  
CE



Lys-F, flush mounted  
CE



Lys-C, hanging  
CE

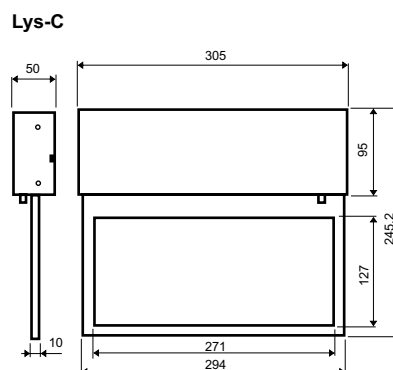
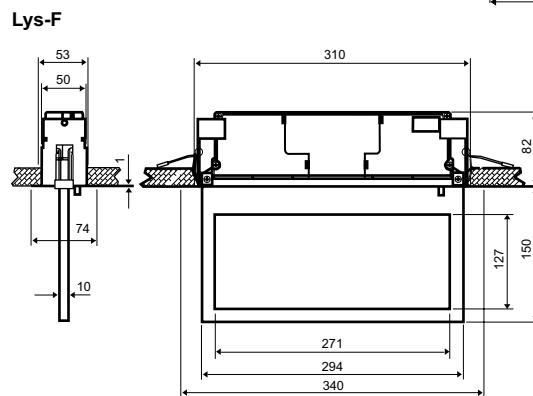
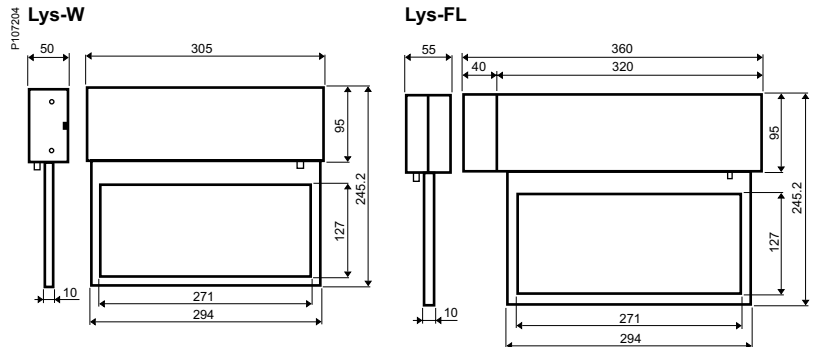
### Technical specifications

- Self-diagnosis version (Activa)
- Long-lasting LED light source (80,000 hours' continuous operation)
- Ni-Cd battery for high efficiency applications
- Long life, no maintenance needed
- Compliant with EN 60598-2-22 standard
- Polymethacrylate (PMMA) screen
- Lamp body in epoxy powder coated steel
- Visibility distance of the sign in compliance with the new EN 1838 standard: 25 or 30 m
- Autonomy of 1 h or 3 h
- Emergency exit sign operating in maintained modes
- Can be inhibited with rest mode via Teleur range of range remote controls
- Protection rating: IP42, IK07
- Power supply: 230 V, 50 Hz
- Complete recharge in 12 h for models with 1 h autonomy
- Operating temperature 0 to +40°C
- Glow wire tests as per IEC 695-2-1 IEC 50-11
- Possibility of turning off the permanent operation line by switch
- Wall, flag, false ceiling or ceiling mounted
- Single-faced and double-faced signalling screens

> These products are sold without screen.  
Please choose a screen to get a complete product.

### Dimensions (mm)

Visibility : 25 m

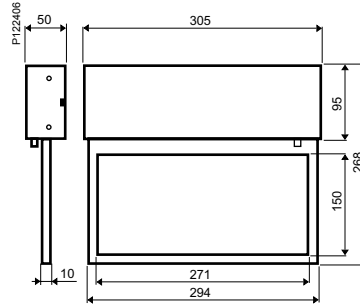




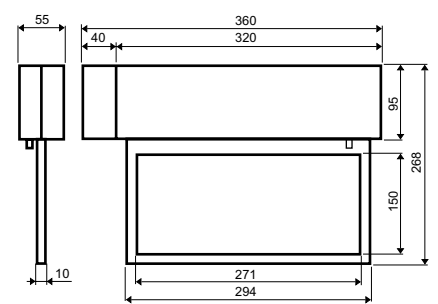
## Dimensions (mm) (cont.)

Visibility : 30 m

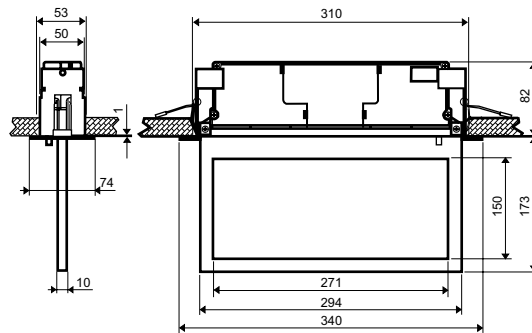
### Lys-W



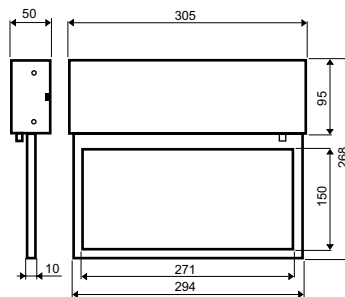
### Lys-FL



### Lys-F



### Lys-C














# Lys (cont.)


## Activa version (self-diagnosis), IP42, IK07

### Product catalogue numbers


■ These products are sold without screen. Please choose a screen to get a complete product

Lys without screen		Autonomy (h)	Consumption (VA) (W)		Ni-Cd battery		Weight (kg)	Cat. no.
<b>Lys-W</b>		<b>Maintained / non-maintained (depending on the wiring)</b>						
P122225 	1	4.49	2.55	4.8 V	1.5 Ah	1.3	<b>OVA38083</b>	
	3	4.49	2.55	4.8 V	1.5 Ah	1.3	<b>OVA38084</b>	
<b>Lys-FL</b>		<b>Maintained / non-maintained (depending on the wiring)</b>						
P122227 	1	4.49	2.55	4.8 V	1.5 Ah	1.6	<b>OVA38081</b>	
	3	4.49	2.55	4.8 V	1.5 Ah	1.6	<b>OVA38082</b>	
<b>Lys-F</b>		<b>Maintained / non-maintained (depending on the wiring)</b>						
P122226 	1	4.49	2.55	4.8 V	1.5 Ah	1.3	<b>OVA38079</b>	
	3	4.49	2.55	4.8 V	1.5 Ah	1.3	<b>OVA38080</b>	
<b>Lys-C</b>		<b>Maintained / non-maintained (depending on the wiring)</b>						
P122228 	1	4.49	2.55	4.8 V	1.5 Ah	1.3	<b>OVA38077</b>	
	3	4.49	2.55	4.8 V	1.5 Ah	1.3	<b>OVA38078</b>	
<b>Screens for all Lys versions</b>				Visibility (m)	Dimensions (mm) (H x W)		Cat. no.	
<b>ISO for 1 side signalling</b>								
P122223 				25	127 x 271		<b>OVA53048</b>	
				30	150 x 271		<b>OVA53153</b>	
P122222 				25	127 x 271		<b>OVA53047</b>	
				30	150 x 271		<b>OVA53152</b>	
P122221 				25	127 x 271		<b>OVA53046</b>	
				30	150 x 271		<b>OVA53151</b>	
<b>ISO for 2 sides signalling</b>								
 + 				25	127 x 271		<b>OVA53050</b>	
				30	150 x 271		<b>OVA53155</b>	
 + 				25	127 x 271		<b>OVA53049</b>	
				30	150 x 271		<b>OVA53154</b>	

## Accessory catalogue numbers

	Compatibility	Dimensions (mm) height x width x depth	Cat. no.
<b>Teleur remote control</b> 	All models, for 100 luminaires	102 x 77 x 81 4.5 mod. of 18 mm	<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

	Description	Compatibility	Cat. no.
<b>Batteries (Ni-Cd)</b> 	4.8 V, 1.6 Ah	OVA38077, OVA38079, OVA38081, OVA38083	<b>OVA51050</b>
	4.8 V, 2.2 Ah	OVA38078, OVA38080, OVA38082, OVA38084	<b>OVA51051</b>

## Visible from quite a distance.

Used for 60 or 80 metre visibility distances.



P101290

P103016



### 1. High technology light source



P101296

Cold cathode light source.

### 2. Wall or ceiling mounting



P101291

Easy to adapt without the help of accessories.



### 3. Easy to adapt

P103277

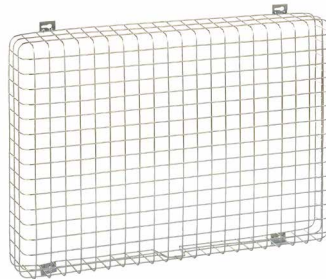


P103017



Three kinds of screens can be adapted: left, right and straight.

P1030018



Protection grid.



# Maxi Slim (cont.)

Standard version IP40, 60/80 m visibility

P98689

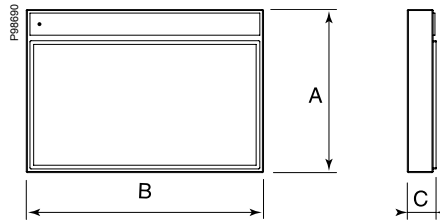


CE

### Technical specifications

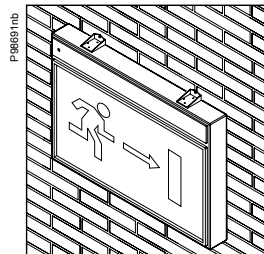
- Visibility distance of the sign in compliance with the new EN 1838 standard: 60 m for M60 and 80 m for M80.
- Cold cathode light source (working life of 40,000 h)
- Ni-Cd battery for high efficiency applications
- Compliant with EN 60598-2-22 standard
- Emergency exit sign operating in maintained mode
- Can be inhibited with rest mode via Teleur range of range remote controls
- Installation even on flammable surfaces
- Protection rating: IP40
- Class I
- Operating temperature: 0...40°C
- Power supply: 230 V, 50 Hz
- Complete recharge in 12 h for models with 1 h autonomy.

### Dimensions (mm)

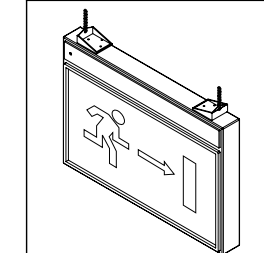


Model	Visibility	Dimensions (mm)		
		A	B	C
M60	60 m	443	644	80
M80	80 m	523	804	80

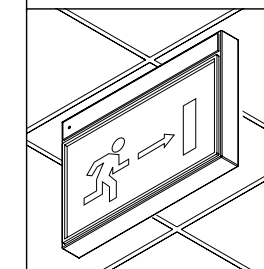
### Installation methods



**Wall**  
(installation without accessories)




**Hanging**  
(chain not included)





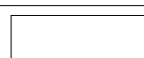






**Ceiling**  
(installation without accessories)



## Emergency exit sign catalogue numbers

Maxi Slim screens not included		Model	Visibility (m)	Autonomy (h)	Consumption (VA)	Ni-Cd battery		Weight (kg)	Cat. no.
	<b>Maintained</b>								
	M60	60	1	15	6.0 V	1.5 Ah	4.290	<b>OVA38072E</b>	
			3	15	6.0 V	1.5 Ah	4.740	<b>OVA38073E</b>	
	M80	80	1	15	6.0 V	4.0 Ah	5.150	<b>OVA38074E</b>	
			3	15	6.0 V	4.0 Ah	5.600	<b>OVA38075E</b>	



## Exit sign screen catalogue numbers

		Cat. no. for			
		M60	M80		
<b>For 1 side signalling</b>					
	+		<b>OVA53000E</b>	<b>OVA53005E</b>	
		+		<b>OVA53001E</b>	<b>OVA53006E</b>
		+		<b>OVA53002E</b>	<b>OVA53007E</b>
<b>For 2 sides signalling</b>					
	+		<b>OVA53003E</b>	<b>OVA53008E</b>	
	+		<b>OVA53004E</b>	<b>OVA53009E</b>	

## Accessory catalogue numbers

	Compatibility	Dimensions (mm) height x width x depth	Cat. no.
<b>Protective grids</b> 	M60	550 x 680 x 100	<b>OVA53010E</b>
	M80	630 x 840 x 100	<b>OVA53011E</b>
<b>Teleur remote control</b> 	All models (for 100 luminaires)	102 x 77 x 81 4.5 mod. of 18 mm	<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

	Description	Compatibility	Cat. no.
<b>Fluorescent tubes</b> 	6.5 W	OVA38072E, OVA38073E	<b>OVA51034E</b>
	7.5 W	OVA38074E, OVA38075E	<b>OVA51035E</b>
<b>Ni-Cd batteries</b> 	6.0 V, 1.5 Ah	OVA38072E, OVA38073E	<b>OVA51019E</b>
	6.0 V, 4.0 Ah	OVA38074E, OVA38075E	<b>OVA51039E</b>

Conversion kits



# Presentation

## Convert ordinary fluorescent tubes into self-contained emergency luminaries

These devices power the standard fluorescent lighting in the event of a mains failure to provide a sufficient lighting level.

### 2 mains benefits for buildings' occupants

- All panic is avoided.
- The path and obstacles are made visible.

P101573-35



Office, corridor, clean room, etc.

P101314-35



Workshop, factory, etc.

P09841-40



Garage, warehouse, etc.

### > Compatible

- With many types of tubes: straight, circular, compact (but only with 4-pin connector) 2D tubes.

### Invisible

- The conversion kit is concealed behind the fluorescent tube.



P101289-23



P101289-20



# Range overview

	Evx Ferro	Evx Power T5 AC
		
<b>Technical specifications</b>		
Suitable for fluorescent tubes up to	58 W	80 W
Duration	1 h minimum	1 h minimum
Compatibility with ballast		
Electromagnetic	■	■
Electronic		■
Can be inhibited with rest mode via remote control	■	■
<b>Page</b>	<b>52</b>	<b>54</b>

**Warning:** trained personnel must be used to install these products

# Evx Ferro

## Standard version

PF03022



### Technical specifications

- Warning: Trained personnel must be used to install these products
- Suitable for fluorescent tubes up to 58 W
- Compatible only with electromagnetic ballasts
- Screw terminals
- Compliant with EN 61347-2-7 standard
- Can be inhibited with rest mode via remote control
- Fire behaviour (EN 60695-2-10), incandescent wire: 850°C
- Class II
- Power supply: 230 V, 50 Hz
- Mains presence indicator (LED)
- Ni-Cd battery, in line or side by side
- Complete recharge in 24 h

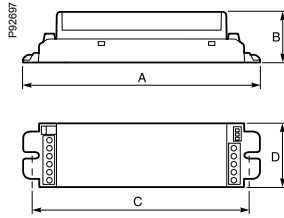
Tubes		% emergency flux <sup>(1)</sup> and duration according to the conversion kit			
Socket	Lamp	OVA43101E or OVA43102E	OVA43103E or OVA43104E	OVA43105E	OVA43106E
<b>G5</b>	4 W	30% / 1 h 30	26% / 3 h	25% / 2 h	-
	6 W	30% / 1 h 30	30% / 3 h	30% / 2 h	-
	8 W	25% / 1 h 30	25% / 3 h	30% / 1 h 30	-
	13 W	25% / 1 h	25% / 2 h	19% / 1 h 30	-
	14 W FHE T5	-	25% / 2 h 30	20% / 1 h 30	25% / 2 h 30
	21 W FHE T5	-	25% / 2 h	14% / 1 h	23% / 2 h
	24 W FHO T5	-	17% / 2 h 30	12% / 1 h 30	18% / 2 h 30
	28 W FHE T5	-	20% / 1 h 30	-	-
	35 W FHE T5	-	23% / 1 h	-	20% / 1 h
	49 W FHO T5	-	-	-	13% / 1 h 30
	54 W FHO T5	-	-	-	7% / 1 h 30
	2 x 8 W	-	32% / 1 h 30	20% / 1 h	25% / 2 h
<b>G13</b>	18 W	15% / 1 h	17% / 2 h	8% / 1 h 30	11% / 1 h 30
	36 W	-	18% / 1 h	9% / 1 h	12% / 1 h
	2 x 18 W	-	20% / 1 h	-	18% / 1 h 30
	58 W	-	-	-	10% / 1 h
<b>G10q</b>	22 W	-	13% / 2 h	-	-
	32 W	-	12% / 1 h 30	-	10% / 1 h 30
	40 W	-	-	-	10% / 1 h
<b>GR10q</b>	10 W	25% / 1 h	25% / 2 h	27% / 1 h 30	-
	16 W	19% / 1 h	23% / 1 h 30	20% / 1 h	-
	28 W	-	15% / 1 h	17% / 1 h	18% / 1 h 30
	38 W GE	-	-	-	13% / 1 h
<b>G24q</b>	10 W	20% / 1 h	20% / 3 h	23% / 1 h 30	-
	13 W	13% / 1 h	21% / 2 h	16% / 1 h 30	25% / 1 h 30
	18 W	-	17% / 2 h	-	14% / 1 h 30
	26 W	-	15% / 1 h 30	-	12% / 1 h 30
<b>Gx24q</b>	32 W	-	10% / 1 h 30	-	11% / 2 h
<b>2G7</b>	5 W	24% / 1 h 30	24% / 3 h	35% / 2 h 30	-
	7 W	22% / 1 h 30	22% / 3 h	30% / 2 h	-
	9 W	21% / 1 h 30	21% / 3 h	26% / 1 h 30	34% / 3 h
	11 W	18% / 1 h	17% / 2 h	18% / 1 h 30	33% / 2 h 30
<b>2G10</b>	36 W	-	14% / 1 h 30	-	10% / 2 h
<b>2G11</b>	18 W	-	13% / 2 h	8% / 1 h 30	18% / 1 h 30
	24 W	-	18% / 1 h 30	-	10% / 1 h 30
	36 W	-	16% / 1 h	-	10% / 1 h 30
	40 W	-	-	-	10% / 1 h
	55 W	-	-	-	8% / 1 h

(1) In emergency mode, the luminaire powered by the kit provides a percentage of its nominal flux (typically around 10 %).

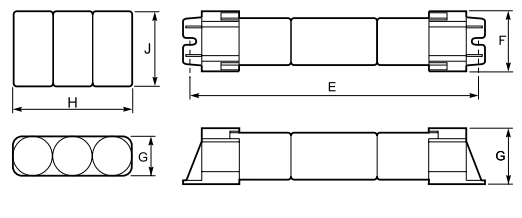


## Dimensions (mm)

### Circuit




### Batteries





Model	Dimensions (mm)								
	Circuit				Battery				
	A	B	C	D	E	F	G	H	J
OVA43101E	157	32.5	140	40.5	-	-	26	75	50
OVA43102E	157	32.5	140	40.5	165	35	28	-	-
OVA43103E	157	32.5	140	40.5	-	-	33	96	62
OVA43104E	157	32.5	140	40.5	210	39	35	-	-
OVA43105E	157	32.5	140	40.5	165	35	28	-	-
OVA43106E	157	32.5	140	40.5	210	39	35	-	-


## Conversion kits

Evx Ferro	Mains load (VA)	Weight (kg)	Ni-Cd battery		Cat. no.
	<b>Maintained and non-maintained</b>				
	5	0.46	3.6 V	2 Ah side by side	OVA43101E
				in line	OVA43102E
	5	0.65	3.6 V	4 Ah side by side	OVA43103E
				in line	OVA43104E
	4.5	0.46	3.6 V	2 Ah in line	OVA43105E
7	0.65	3.6 V	4 Ah in line	OVA43106E	

## Spare parts catalogue numbers

		Compatibility	Cat. no.
<b>Batteries Ni-Cd</b> P101301		3.6 V in line	OVA43102E, OVA43105E
		2 Ah side by side	OVA43101E
	3.6 V in line	4 Ah	OVA43104E, OVA43106E
		side by side	OVA43103E
<b>LED</b> P101300		All models	OVA51033E

## Accessory catalogue numbers

	Compatibility	Dimensions (mm) height x width x depth	Cat. no.
<b>Teleur remote control</b> P93007		All models (for 100 luminaires)	102 x 77 x 81 4.5 mod. of 18 mm
		All models (for 500 luminaires)	90 x 71 x 60 4 mod. of 18 mm

# Evx Power T5 AC

## Standard version

P80023



CE

### Technical specifications

- Warning: Trained personnel must be used to install these products
- Suitable for fluorescent tubes up to 80 W
- Fully compatible with both electromagnetic and electronic ballasts
- Quick-connect terminal strips
- Compliant with EN 61347-2-7 standard
- Can be inhibited with rest mode via remote control
- Fire behaviour (EN 60695-2-10), incandescent wire: 850°C
- Class II Ⓜ
- Power supply: 230/240 V, 50/60 Hz ± 10%
- AC output current
- 1 and 3 hours duration
- Mains presence indicator (LED)
- Ni-Cd battery, in line
- Complete recharge in 12 h for 1 h autonomy, 24 h for 3 h autonomy

P80024

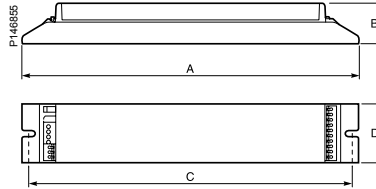


Quick-disconnect terminal strips.

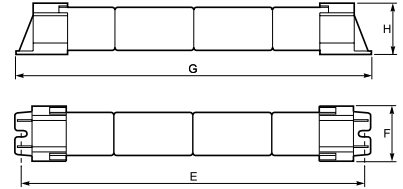
Tubes		% emergency flux and duration according to the conversion kit		
Socket	Lamp	OVA43114	OVA43115	OVA43116
G5	14 W FHO T5	8.4% / 4 h	-	-
	24 W FHO T5	-	-	9.0% / 3.5 h
	35 W FHE T5	6.3% / 3 h	-	-
	80 W FHO T5	-	6.7% / 1 h	3.9% / 3 h
G13	58 W	-	5.0% / 1.5 h	3.0% / 3.5 h
G24q-3	26 W	6.4% / 3.5 h	-	-
Gx24q-4	42 W	-	11.3% / 1.5 h	8.2% / 3 h

## Dimensions (mm)

### Circuit




### Batteries





Model	Dimensions (mm)							
	Circuit			Battery				
	A	B	C	D	E	F	G	H
OVA43114	235	28	220	41	325	39	335	33.5
OVA43115	235	28	220	41	325	39	335	33.5
OVA43116	235	28	220	41	485	39	495	33.5


## Conversion kits

Evx Power T5 AC	Mains load (VA)	Ni-Cd battery in line		Weight (kg)	Cat. no.
		Maintained	non-maintained		
	10.8	6.0 V	4.5 Ah	0.9	OVA43114
					OVA43115
	10.8	6.0 V	7.0 Ah	1.2	OVA43116

## Spare parts catalogue numbers

	Compatibility	Cat. no.
<b>Ni-Cd batteries</b> 	6.0 V - 4.5 Ah	OVA43114E
	6.0 V - 4.5 Ah	OVA43115E
	6.0 V - 7.0 Ah	OVA43116E
<b>LED</b> 	All models	OVA51033E

## Accessory catalogue numbers

	Compatibility	Dimensions (mm) height x width x depth	Cat. no.
<b>Teleur remote control</b> 	All models (for 100 luminaires)	102 x 77 x 81 4.5 mod. of 18 mm	OVA50325E
	All models (for 500 luminaires)	90 x 71 x 60 4 mod. of 18 mm	OVA50326E

# Portable emergency lamps



# Presentation

## More than a simple portable lamp!

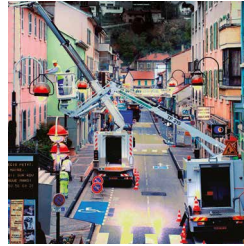
This generation of lamps brings **immediate and efficient emergency response** in many conditions: security of buildings, breakdown service, search and rescue, police or fire fighters intervention...

P101310-22



Guarding, security applications, etc.

P101309-15



Outdoor emergency response (breakdown service, search and rescue, etc.)

P101308-40



Police, fire fighters, etc.

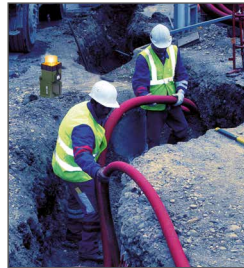
### > Emergency solution

- In case of mains failure, lamp switches on automatically when it plugged into a power outlet. Thanks to the diffuser-signaller with flashing function, lamps can be used in case of fog or to signal a danger.

### User-friendliness

- Thanks to its movable beam and stable base, you can work comfortably, keeping your hands free. All models are ergonomics: easy to handle and carry.

P101312-20



Revolving light function

P101311-15



Lantern function

P101312-20



Emergency lighting function

# Range overview

	Top 4	Toplux	Jodiolux
			
<b>Technical specification</b>			
Protection rating	IP40	IP55	IP65, IK07
Rated power, autonomy and Illumination	main lamp	5.5 W (xenon) 3 h 320 lux at 2 m	10 W (halogen) 1 h 30 490 lux at 2 m
	auxiliary lamp	1.5 W (incandescent) 15 h 5 lux at 1 m	10 W (halogen) 4 h 490 lux at 2 m
Consumption	10 VA	1.5 W (incandescent) 15 h 5 lux at 1 m	1.5 W (incandescent) 24 h 4 lux at 1 m
Battery	Pb	10 VA	6.5 VA
	Pb	Pb	Ni-Cd
Page	60	61	62



## High quality lamps.

### 1. Automatic lighting

Operation equivalent to a normal emergency light. While it is connected to the mains (230 V), the lamp will come on automatically if there is a power failure.

### 2. Direct recharging from the mains

Can be recharged directly from the mains through the cable supplied with the product.  
Recharge time: 24 hours.

### 3. Optional charger

An optional 12/24 V DC charger can be connected for charging the lamps (in cars for example).

## Jodiolux

- IP65.
- Battery operation 4-24 hrs.
- Provides 1300 lux at 2 m.



P106262

## Top 4

- IP40.
- Battery operation 4-12 hrs.
- Provides 320 lux at 2 m.
- Cable incorporated inside.



P106264



P106266

#### 4. Double indication



All models have 2 light sources that are capable of constant operation (for searching) or flashing (for indicating), with a switch for each of the functions.

#### 5. Ergonomic



The lamps have handles on the top so that the product is easier to handle and carry.

#### 6. Directable



All of the models have a directable beam to assist working.

#### 7. Variety of tones



Different coloured filters included with each model.

## Toplux

- IP55.
- Battery operation 2-15 hrs.
- Provides 490 lux at 2 m.



Anti-fog diffuser (Toplux and Top 4)





CE



Lamp and 4 colour filters (included).

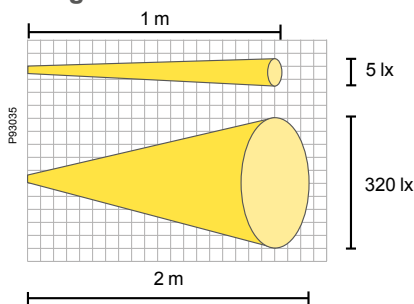
### Presentation

- Top 4 is an emergency spotlight with rechargeable lead batteries and 2 lamps: one 5.5 W xenon lamp and one incandescent 1.5 W lamp.
- Ideal for night watches, rescue and similar purposes. Top 4 can also be used as an emergency lamp, thanks to the diffuser-signaller with flashing function on both lamps.
- Rugged: designed for heavy-duty applications and made from highly resistant materials.
- Rechargeable directly from 230 V supply. The main cable is situated inside the optical unit.
- When plugged on power supply, it can switch on automatically when the mains falls.
- Versatile: Top 4 can be used as a lantern thanks to the adjustable beam
- Optional charger available to recharge Top 4 from car battery.

### Technical Specifications

- Both lights can flash
- Protection rating: IP40
- Class II Ⓜ
- Operating temperature: -10...40°C
- Recharge: 230 V, 50 Hz, recharging time: 24 h
- Autonomy: 3 h (main light) and 15 h (auxiliary light)




### Diagram






### Product catalogue numbers

Rated power, type and autonomy		Consumption (VA)	Pb battery	Weight (kg)	Cat. no.
main lamp	auxiliary lamp				
5.5 W - xenon - 3 h	1.5 W - incandescent - 15 h	10	6 V / 4 Ah	1.9	<b>OVA41317E</b>

### Accessory catalogue numbers

		Cat. no.
<b>Lamp supports</b>	 <p>These accessories are made of painted steel and are useful for fixing the portable lamps to the wall, on motor vehicles, boats, etc., to place units in a handy position.</p>	<b>OVA50360E</b>
<b>Diffuser signaller</b>	 <p>Manufactured to solve the problem of circular signalling, this diffuser is used with Top 4 flashing lamps. It is suitable for use in case of fog, danger, etc. and can be used where 360° lighting is needed. Ideal for fire brigades, construction yards, police, boats, rescue applications, etc.</p>	<b>OVA50315E</b>
<b>Charger</b>	 <p>This is used to recharge the portable emergency lamps from 12/24 V DC. Maximum output power: 10 VA (excluding capacitive loads). Output voltage: 220 V, 50 Hz. Dimensions: 65 x 95 x 100 mm.</p>	<b>OVA50358E</b>

### Spare parts catalogue numbers

		Cat. no.
<b>Battery</b>	 <p>6V - 4 Ah - Pb</p>	<b>OVA51023E</b>
<b>Lamps</b>	 <p>xenon - 6 V - 0.9 A - E10</p>	<b>OVA51001E</b>
	 <p>6V - 1.5 W</p>	<b>OVA51000E</b>

# Toplux IP55



CE



Lamp and included accessories (mains cable, 4 colour filters and shoulder carrying strap).

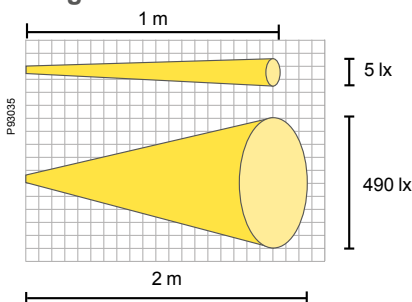
## Presentation

- Toplux is a professional rechargeable searchlight resistant to heavy rain (IP55).
- Ideal for military, police, rescue and security applications. Toplux can also be used as an emergency lamp, thanks to the diffuser-signaller with flashing function on both lamps.
- It is fitted with two lamps: one powerful iodine lamp (10 W) and one incandescent lamp (1.5 W).
- Long distance light beam with range of more than 200 m.
- Rechargeable directly from 230 V supply.
- When plugged into a power outlet, it can switch on automatically in case of mains failure.
- An electronic circuit prevents batteries from discharging completely.
- Versatile: Toplux can be used as a lantern thanks to the adjustable beam.
- Optional charger available to recharge Toplux from car battery.

## Technical Specifications

- Both lights can flash
- Protection rating: IP55 (special rubber gaskets)
- Class II Ⓜ
- Operating temperature: -10...40°C
- Recharge: 230 V, 50 Hz, recharging time: 24 h
- Autonomy:
  - 1 h 30 (main light) and 15 h (auxiliary light)
  - 4 h (main light) and 24 h (auxiliary light)

## Diagram






## Product catalogue numbers

Rated power, type and autonomy		Consumption (VA)	Battery	Weight (kg)	Cat. no.
main lamp	auxiliary lamp				
10 W - halogen - 1 h 30	1.5 W - incandescent - 15 h	10	Pb 6 V 4 Ah	2.0	<b>OVA41318E</b>
10 W - halogen - 4 h	1.5 W - incandescent - 24 h	10	Ni-Cd 6 V 7 Ah	2.4	<b>OVA41319E</b>

## Spare parts catalogue numbers

		Cat. no.
<b>Batteries</b>		
	6 V - 4 Ah - Pb	<b>OVA51023E</b>
	6 V - 7 Ah - Ni-Cd	<b>OVA51036E</b>
<b>Lamps</b>		
	halogen - 6 V - 10 W	<b>OVA51002E</b>
	6 V - 1.5 W	<b>OVA51000E</b>

## Accessory catalogue numbers

		Cat. no.
<b>Lamp supports</b>	 These accessories are made of painted steel and are useful for fixing the portable lamps to the wall, on motor vehicles, boats, etc., to place units in a handy position.	<b>OVA50360E</b>
<b>Diffuser signaller</b>	 Manufactured to solve the problem of circular signalling, this diffuser is used with Top 4 flashing lamps. It is suitable for use in case of fog, danger, etc. and can be used where 360° lighting is needed. Ideal for fire brigades, construction yards, police, boats, rescue applications, etc.	<b>OVA50315E</b>
<b>Charger</b>	 This is used to recharge the portable emergency lamps from 12/24 V DC. Maximum output power: 10 VA (excluding capacitive loads). Output voltage: 220 V, 50 Hz. Dimensions: 65 x 95 x 100 mm.	<b>OVA50358E</b>



P93033



CE

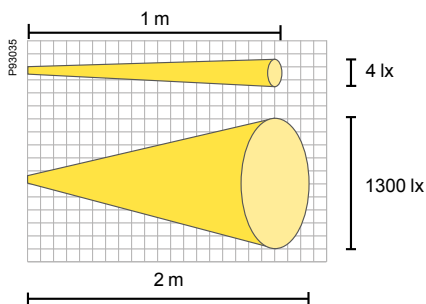
### Presentation

- Jodiolux is a portable professional searchlight provided with high-performance emergency functions and resistant to heavy rain (IP65).
- Ideal for military, police and rescue applications.
- It is fitted with two lamps: a powerful iodine lamp (10 W) for high-power lighting, and a small incandescent bulb (1.5 W) for economy lighting.
- Long distance light beam with range of 300 m.
- Rechargeable directly from 230 V supply.
- When plugged into a power outlet, it can switch on automatically in case of mains failure.
- Versatile: Jodiolux can be used as a lantern thanks to the adjustable beam
- Optional charger available to recharge Jodiolux from car battery.

### Technical Specifications

- Case of nylon
- Compliant with EN 60598-2-8 standards
- Both lights can flash
- Protection rating: IP65 (special rubber gaskets), IK07
- Class II
- Operating temperature: -10...40°C
- Recharge: 230 V, 50 Hz, recharging time: 24 h
- Autonomy: 4 h (main light) and 24 h (auxiliary light)



### Diagram



### Product catalogue numbers

Rated power, type and autonomy		Consumption (VA)	Ni-Cd battery		Weight (kg)	Cat. no.
main lamp	auxiliary lamp		V	Ah		
10 W - halogen 4 h	1.5 W - incandescent 24 h	6.5	6 V	7 Ah	2.1	<b>OVA41033E</b>

### Accessory catalogue numbers




			Cat. no.
<b>Lamp supports</b> P101303		These accessories are made of painted steel and are useful for fixing the portable lamps to the wall, on motor vehicles, boats, etc., to place units in a handy position.	<b>OVA50359E</b>
<b>Charger</b> P93159		This is used to recharge the portable emergency lamps from 12/24 V DC. Maximum output power: 10 VA (excluding capacitive loads). Output voltage: 220 V, 50 Hz. Dimensions: 65 x 95 x 100 mm.	<b>OVA50358E</b>





Lamp and included accessories (mains cable, 4 colour filters and shoulder carrying strap).

### Spare parts catalogue numbers

		Cat. no.
<b>Battery</b>	 P101306	6 V - 7 Ah - Ni-Cd <b>OVA51020E</b>
<b>Lamps</b>	 P101288	halogen - 6 V - 10 W <b>OVA51002E</b>
	 P101305	6 V - 1.5 W <b>OVA51000E</b>

# Presentation

## Small gesture, big benefits!

Teleur remote control permits to deactivate lighting units during periods of building inactivity (when premises are closed to the public).

**Never a simple remote control has brought so many benefits.**



Gymnasium, auditorium, etc.



Shop, office, etc.



School, etc.

### ➤ Maximum autonomy

- Battery endurance is preserved to ensure maximum autonomy when main power is restored). The fittings are ready to operate, even after long periods of inactivity.

### Longer service life

- Using Teleur remote control avoids proof discharge (longer battery life).

### Safety standards

- Teleur ensures compliance with recent European standards EN 60598-2-22.

# Teleur

PS3007



Teleur



PS3008



Teleur 500



## Presentation

The remote control is used mainly to inhibit emergency operation. The emergency lights and escape route fittings can be switched off when the mains power is off (e.g. when the building is not occupied). It is also used during maintenance operations to switch the emergency light devices on or off. When the mains power is restored, the emergency lights and escape route fittings are automatically reset. They are ready to operate in the event of another black-out.

## Advantages

- Battery endurance is preserved.
- Longer battery life.
- Comply with standards EN 60598-2-22.

## Technical specifications

	Teleur	Teleur 500
Input	220 / 230 V - 50 / 60 Hz	
Consumption	2.5 VA	3.5 VA
Minimum recharging time	24 h	
Discharge time	Over 200 emergency lamp switchings (with no current from the mains)	
Case	Self-extinguishing polycarbonate (PC) UL 94 V2	
Insulation	Double insulated	
Fire behaviour (EN 60695-2-10) incandescent wire	650°C	
Dimensions (mm)	height	102
	width	77
	depth	81
Width in 18 mm modules	4.4	4
Maximum number of luminaires for each Teleur	100	500
Maximum distance from remote control to luminaires	Approximately 500 m	
Minimum cable size	1 mm <sup>2</sup> with 100 luminaires	
Batteries	5 x 1.2 V, 500 mAh, Ni-Cd	

## Product catalogue numbers

	Weight (kg)	Cat. no.
Teleur	0.30	<b>OVA50325E</b>
Teleur 500	0.30	<b>OVA50326E</b>



# Contents

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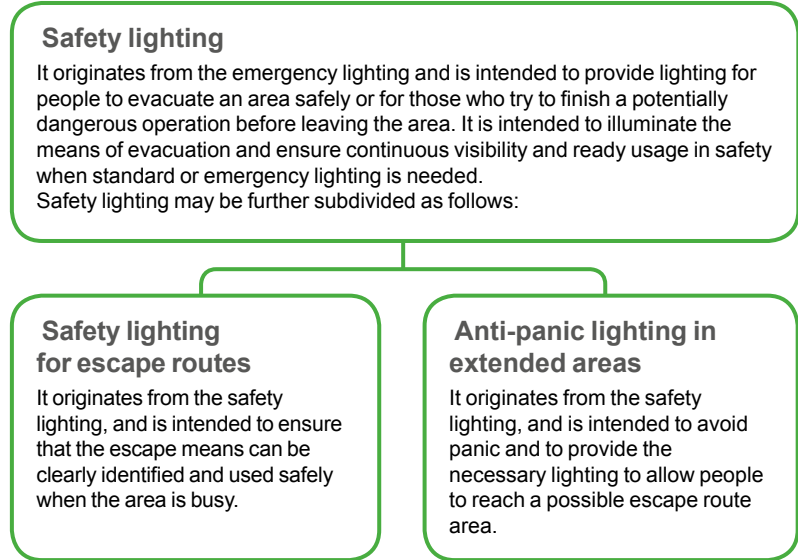
<b>Lighting and safety signs</b>	<b>68</b>
Introductory information	68
<b>Design</b>	<b>69</b>
Presentation, standards	69
The 5 main stages	70
System types	73
Emergency light fittings spacing table	74
Connection principle for conversion kits	78
<b>Maintenance</b>	<b>83</b>
Periodic checks and maintenance	83
Glossary	85
Emergency lighting glossary	85
<b>Index</b>	<b>86</b>
Numbered parts list	87



### 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):



### 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 different 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

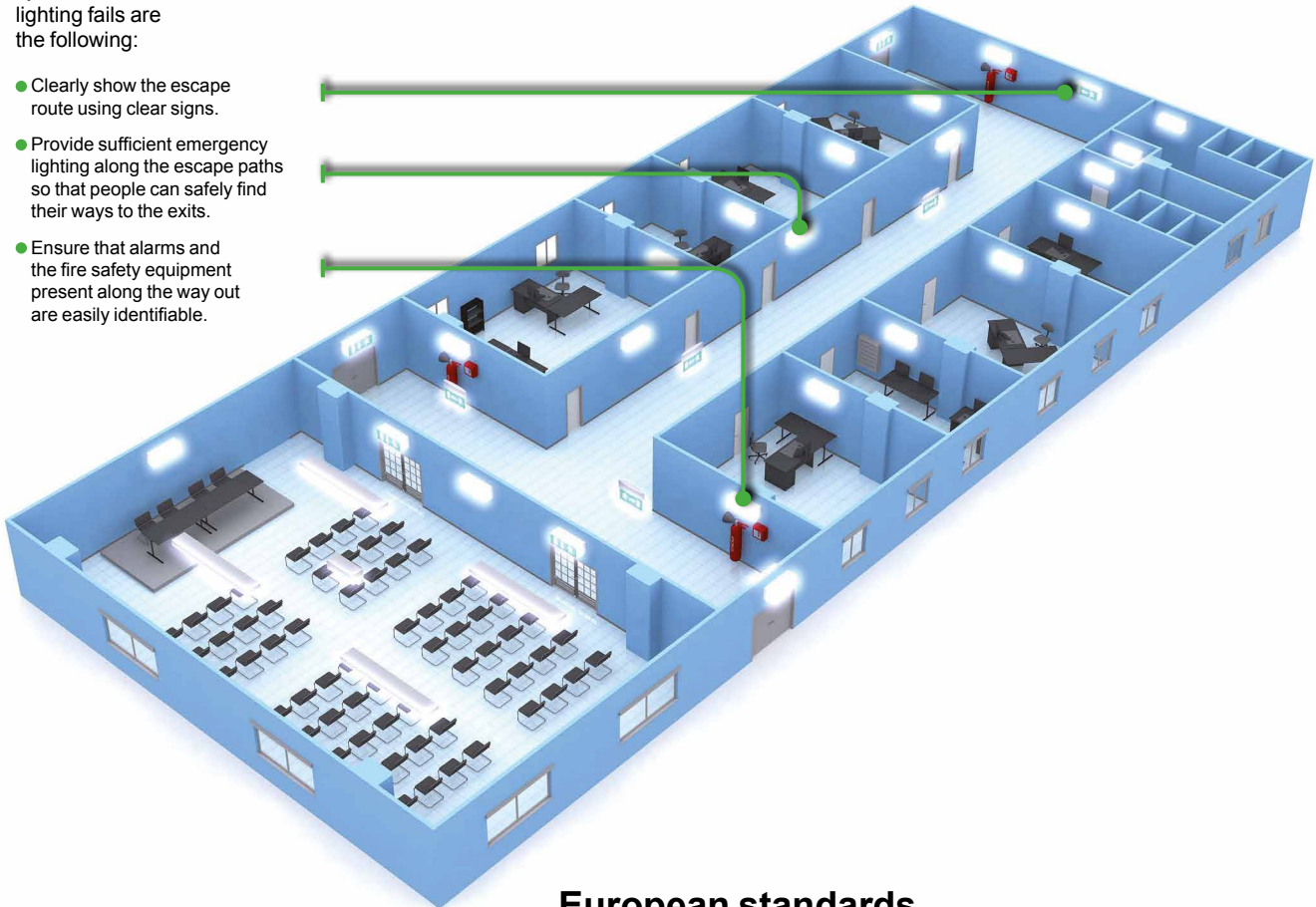
### Introduction

The integration of emergency lighting with standard lighting must comply strictly with electrical system standards in the design of a building or particular place.

All regulations and laws must be complied with in order to design a system which is up to standard.

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.



P93161

### 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 the standard EN 1838, "Lighting applications. Emergency lighting". This standard presents 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 standardised 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 integrative text (of specifications and analysis) of the 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 more important is the plan of the area which is used to determine:

- The areas to light. It is also important to consider the position of the fire safety points on the plan to project 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 lighting necessary 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 the lighting parameters for the different 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 the luminaires to be installed at least 2 metres from the floor. This is so that they can 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.



At every exit door planned to be used in an emergency.



At the safety exits and depending on where the safety signs are installed.



Near and immediately each outside exit.



Near the stairs so that each step receives direct light.



At each point where there is a change of direction.



Near every first-aid zone.



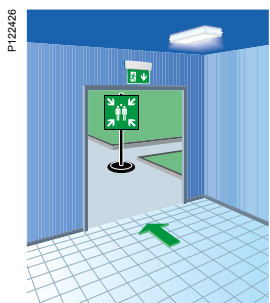
Near every change in floor level.



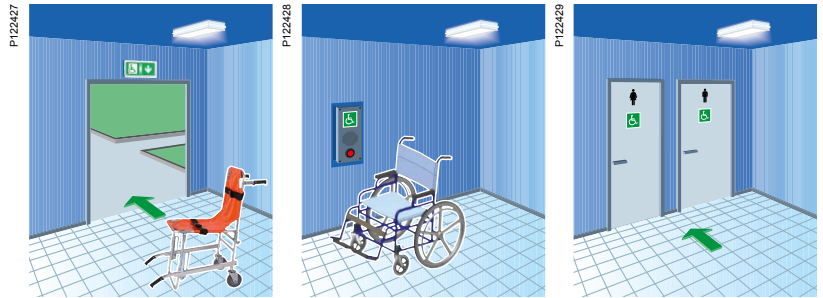
At every corridor intersection.



Near every fire safety device and call point.

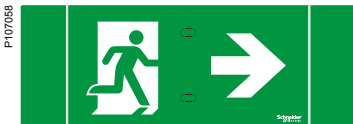


Near to each final exit and outside the building to a place of safety.



Near escape equipment provided for the disabled.

Near disabled refuges and call point. Also to include disabled refuge two way communication systems including disabled toilet alarm call position.



The most common format.

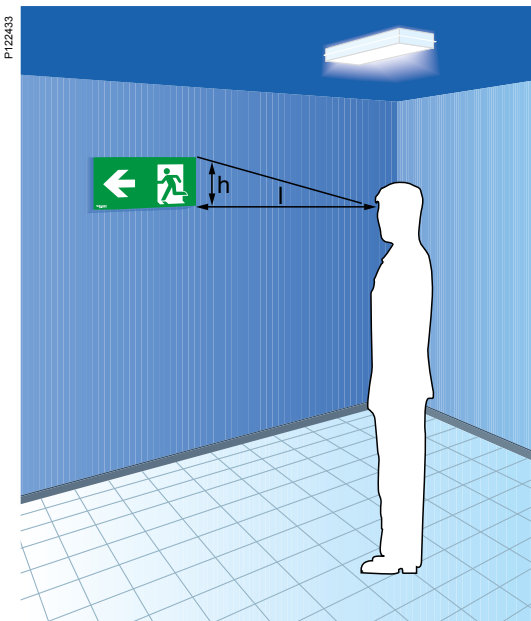
### > Stage 2

#### Safety signs for escape routes

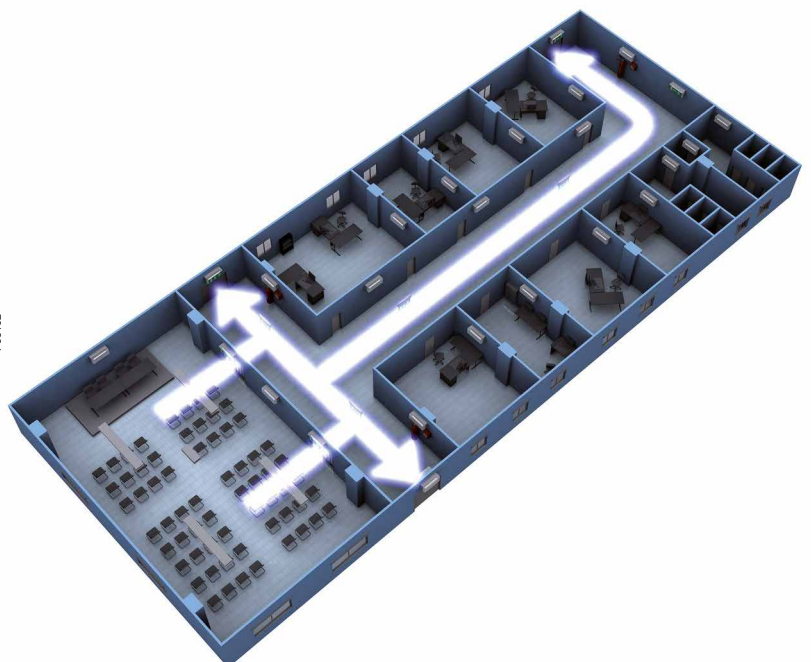
- It is very important for the best escape route be very clearly marked, allowing fast and safe evacuation of the areas and the buildings.
- The effectiveness of the sign basically depends on the size, the colour, the placing and how well the sign can be seen.
- European standards have established that 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 in door").

#### 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:  $l = z \times h$ , where:
  - "l" is the maximum viewing distance
  - "h" is the height of the pictogram
  - "z" = 100 for externally lighted signs
  - "z" = 200 for internally lighted signs.



Typical example of measuring position.

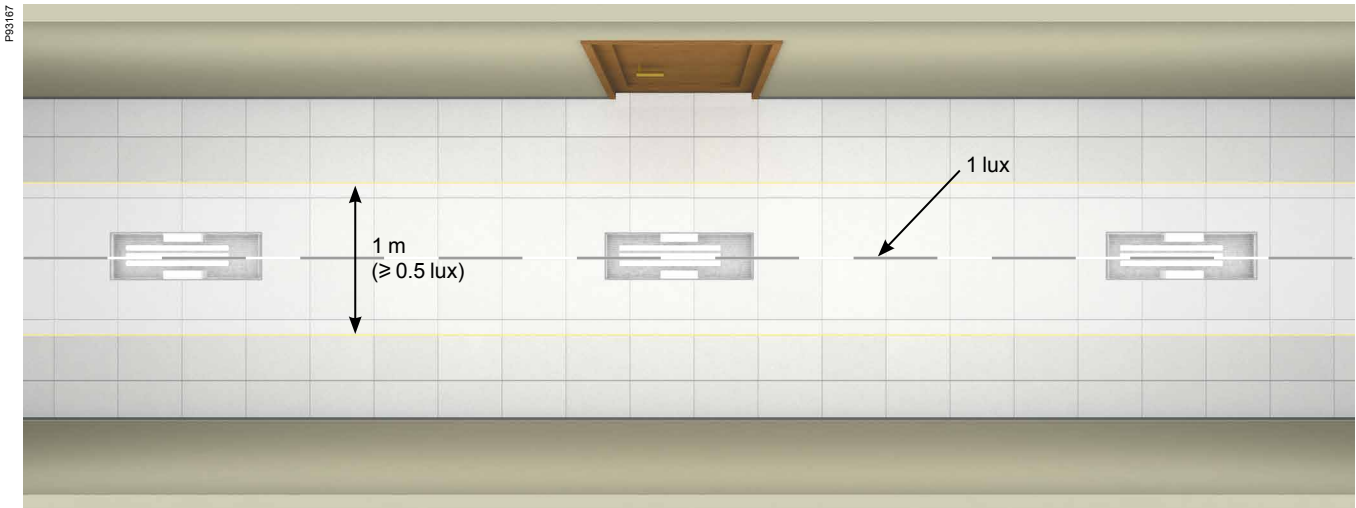


### > Stage 3

#### 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 central line 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: 2 m wide corridor.



In some countries there are country-specific divergences that replace the European standard regulations. Please refer to the applicable 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

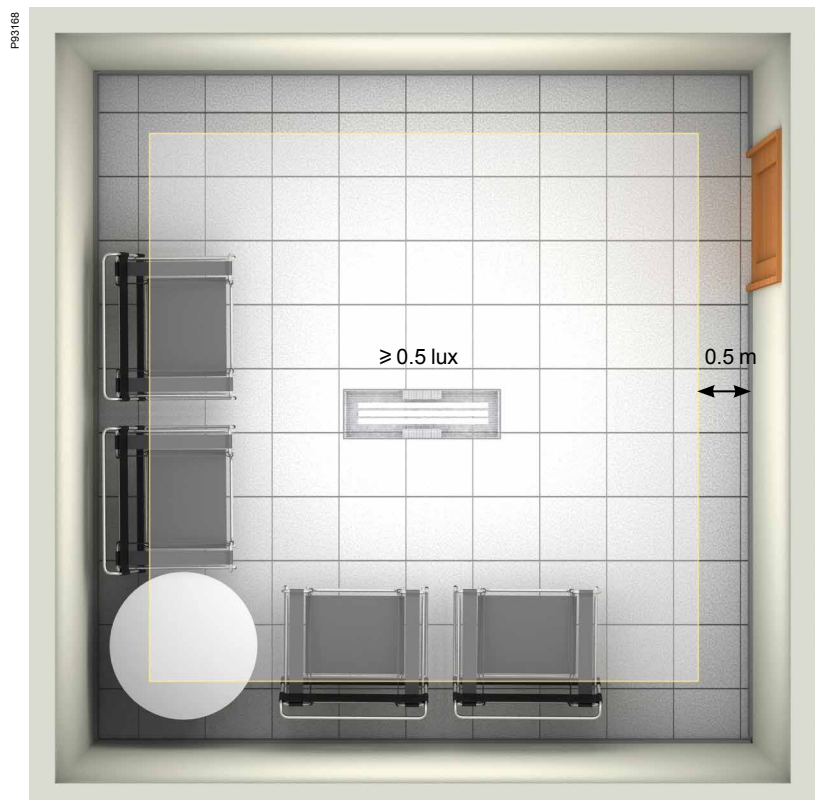
#### Anti-panic area lighting

- 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 power failure.



Light in anti-panic areas.



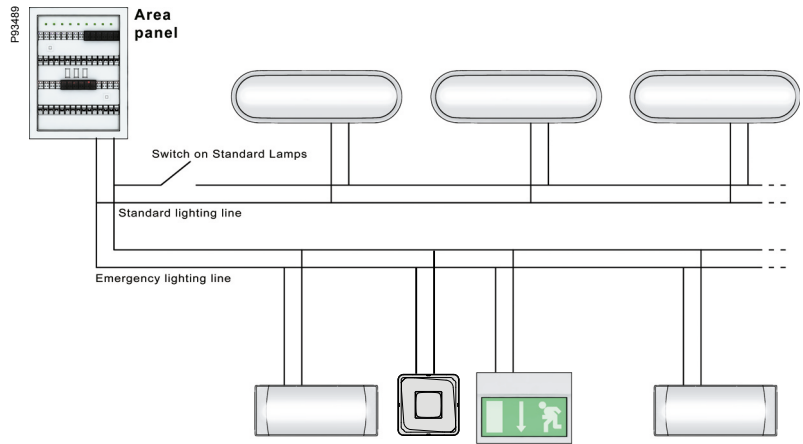
### Information concerning emergency lighting system types

#### Standard self-contained luminaire system

##### luminaire system

- 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 the 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.

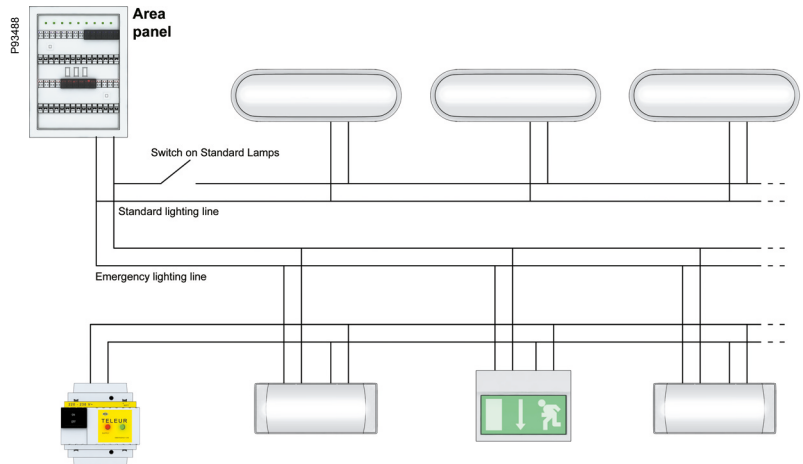
If necessary, you can set the system to implement a remote emergency inhibition. Depending to the model, you can use a Teleur remote control if the luminaire has a rest mode setting.



Typical connection diagram  
Connection must be made to an uninterrupted supply line taken from the electrical power supply local circuit.

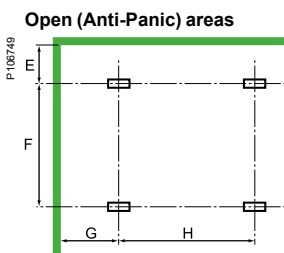
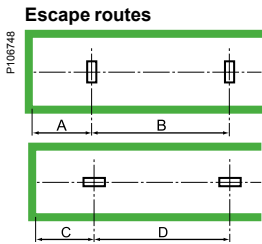
#### Self-contained luminaire systems

- 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 will shut down the emergency luminaires.



Connection diagram with emergency inhibition.

### Rilux (standard versions)

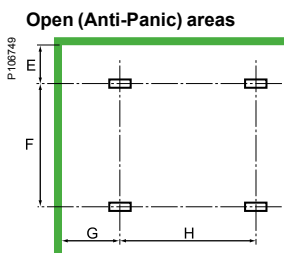
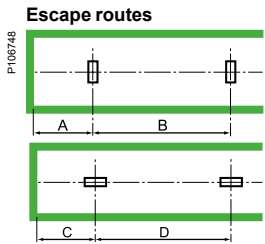


A and E: Transverse spacing to wall  
 B and F: Transverse spacing between luminaires  
 C and G: Axial spacing to wall  
 D and H: Axial spacing between luminaires

Catalog number	Installation height for ceiling mounting (m)	Lux level directly under luminaires (lux)	Escape routes 1 Lux min. Along centre line (m)				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 (m)				Area covered to obtain 0.5 Lux on the ground (m <sup>2</sup> )
			A	B	C	D		E	F	G	H	
<b>OVA37066E</b>	2.00	5.17	2.36	6.04	2.18	5.74	15.47	2.70	6.36	2.53	5.87	27.07
	2.50	3.31	2.46	6.49	2.21	6.07	16.74	2.90	6.98	2.66	6.49	30.68
	3.00	2.30	2.34	6.81	2.12	6.24	16.07	2.97	7.64	2.74	7.13	34.81
	3.50	1.69	2.08	6.91	1.90	6.25	10.93	2.97	8.18	2.76	7.58	32.80
	4.00	1.29	1.60	6.80	1.48	6.14	4.76	2.88	8.62	2.70	7.87	33.32
<b>OVA37067E</b>	2.00	6.80	2.51	6.56	2.45	6.25	19.04	2.82	6.08	2.75	5.78	33.32
<b>OVA37068E</b>	2.50	4.35	2.66	6.98	2.54	6.73	22.78	3.01	7.36	2.90	7.04	37.19
	3.00	3.02	2.70	7.35	2.52	7.03	21.42	3.19	7.88	3.00	7.63	41.50
	3.50	2.22	2.54	7.61	2.41	7.15	18.22	3.25	8.35	3.10	8.17	44.65
	4.00	1.70	2.29	7.66	2.19	7.17	14.28	3.26	8.93	3.15	8.60	38.08
	5.00	1.09	1.04	7.27	1.09	6.81	7.44	2.94	9.81	3.05	9.29	37.19
<b>OVA37069E</b>	2.00	13.23	3.20	8.26	3.17	7.81	34.21	3.45	4.93	3.42	4.77	50.28
	2.50	8.47	3.38	8.93	3.41	8.53	39.05	3.67	5.50	3.70	5.40	59.97
	3.00	5.88	3.51	9.47	3.58	9.11	41.50	3.90	5.76	3.96	5.60	69.62
	3.50	4.32	3.62	9.96	3.69	9.59	47.38	4.10	6.12	4.17	5.96	76.54
	4.00	3.31	3.67	10.25	3.73	9.97	42.84	4.25	6.70	4.32	6.54	82.12
	5.00	2.12	3.50	10.78	3.60	10.45	44.63	4.44	7.85	4.55	7.82	92.98
	6.00	1.47	2.89	10.87	3.12	10.57	32.13	4.40	8.99	4.71	9.05	85.69
	7.00	1.08	1.49	10.52	2.01	10.31	14.58	3.76	11.08	4.89	11.18	91.12
<b>OVA37070E</b>	2.00	20.18	3.65	9.09	3.57	8.53	41.06	3.71	7.58	3.64	7.18	60.69
	2.50	12.92	3.96	9.98	3.85	9.46	47.42	4.02	9.77	3.92	9.32	72.52
	3.00	8.97	4.17	10.66	4.09	10.14	54.22	4.28	8.78	4.21	8.39	82.34
	3.50	6.59	4.28	11.26	4.25	10.73	56.49	4.48	9.32	4.44	8.92	98.41
	4.00	5.05	4.40	11.64	4.37	11.17	61.88	4.67	9.84	4.64	9.54	104.73
	5.00	3.23	4.50	12.30	4.46	11.87	59.50	4.96	12.45	4.93	12.00	115.29
	6.00	2.24	4.36	12.81	4.32	12.32	56.23	5.15	13.22	5.11	12.88	133.88
	7.00	1.65	3.84	12.89	3.88	12.39	43.74	5.13	15.02	5.18	14.79	116.63
8.00	1.26	2.87	12.61	2.95	12.17	19.04	4.90	15.87	5.02	15.63	119.01	
<b>OVA37071E</b>	2.00	5.73	2.36	6.13	2.28	5.90	17.26	2.67	6.28	2.60	5.98	27.07
<b>OVA37072E</b>	2.50	3.67	2.48	6.55	2.31	6.29	18.13	2.88	6.94	2.72	6.64	32.54
	3.00	2.55	2.43	6.87	2.26	6.49	16.74	3.00	7.52	2.83	7.28	34.81
	3.50	1.87	2.19	7.03	2.08	6.58	14.58	3.03	8.05	2.91	7.74	35.54
	4.00	1.43	1.82	6.99	1.74	6.48	14.28	2.97	8.56	2.86	8.16	38.08



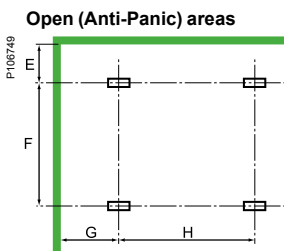
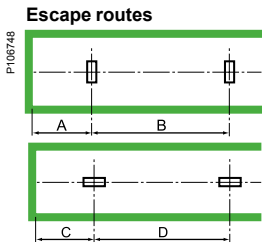
## Rilux (LED versions)



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			A	B	C	D		E	F	G	H	
<b>OVA37105</b>	2.00	8.07	2.45	6.46	2.51	6.28	21.42	2.71	6.30	2.77	6.20	31.54
	2.50	5.17	2.73	6.52	2.70	6.76	24.64	2.88	6.69	2.86	6.13	37.19
	2.80	4.12	2.43	6.98	2.75	7.04	26.82	2.92	6.60	3.23	5.94	43.15
	3.50	2.64	2.64	7.77	2.69	7.64	27.33	3.35	4.56	3.40	4.67	48.29
	4.00	2.02	2.83	7.31	2.55	7.79	26.18	3.74	4.90	3.42	4.93	48.79
	5.00	1.29	1.70	7.64	1.84	7.60	11.16	3.77	5.46	4.05	5.31	55.79
<b>OVA37106</b>	2.00	13.72	2.78	8.07	2.97	7.77	27.97	3.07	6.68	3.24	6.83	45.22
	2.50	8.78	3.11	8.84	3.23	8.16	34.40	3.36	7.81	3.47	7.80	51.14
	2.80	7.00	3.34	7.85	3.37	8.38	38.49	3.45	8.59	3.48	8.40	57.15
	3.50	4.48	3.59	8.88	3.56	9.04	43.74	3.71	8.77	3.68	7.91	69.25
	4.00	3.43	3.21	9.53	3.60	9.53	40.46	3.82	6.49	4.22	6.83	78.55
	5.00	2.20	3.60	10.22	3.40	10.09	44.63	4.53	6.23	4.32	6.36	89.26
	6.00	1.52	3.90	9.63	2.89	10.07	37.49	4.99	8.20	3.84	8.10	91.04
	7.00	1.12	1.71	10.31	1.71	9.62	14.58	4.58	12.13	4.58	11.92	109.34
<b>OVA37107</b>	2.00	18.16	3.61	8.58	3.30	8.58	34.51	3.49	6.93	3.24	7.01	55.34
	2.50	11.62	3.32	9.66	3.50	9.11	39.05	3.60	8.06	3.78	8.25	65.08
	2.80	9.27	3.55	10.10	3.65	9.32	44.32	3.78	8.80	3.87	8.80	69.98
	3.50	5.93	3.99	9.42	3.96	9.90	52.85	3.98	9.85	3.95	9.35	78.36
	4.00	4.54	4.14	10.15	4.11	10.43	57.12	4.17	10.28	4.14	9.29	90.45
	5.00	2.91	3.84	11.40	4.09	11.30	63.22	4.58	6.64	4.84	6.91	107.85
	6.00	2.02	4.24	10.97	3.82	11.69	58.91	5.36	7.34	4.88	7.44	109.79
	7.00	1.48	4.50	11.14	3.26	11.54	43.74	5.69	9.90	4.26	9.71	123.92
<b>OVA37108</b>	2.00	12.11	2.68	7.85	2.83	7.37	26.18	3.01	6.52	3.15	6.66	42.25
	2.50	7.75	3.03	7.84	3.09	7.77	31.61	3.22	7.77	3.27	7.67	48.35
	2.80	6.18	3.22	7.60	3.22	8.00	33.82	3.30	8.04	3.30	7.61	51.32
	3.50	3.95	2.96	8.64	3.38	8.72	34.62	3.48	7.88	3.90	7.04	63.78
	4.00	3.03	3.10	9.28	3.36	9.12	40.46	3.76	5.64	4.03	5.86	69.02
	5.00	1.94	3.50	8.90	3.09	9.57	33.47	4.52	6.07	4.05	6.07	70.66
	6.00	1.35	3.68	9.25	2.39	9.38	16.07	4.87	8.90	3.35	8.65	85.69

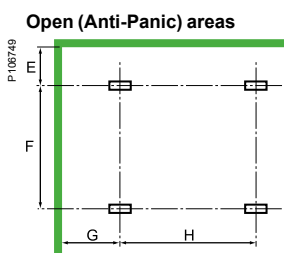
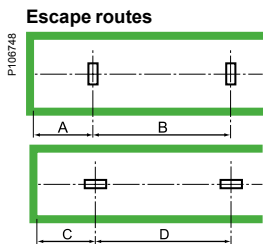
### Smartbeam (Standard and LED versions)



A and E: Transverse spacing to wall  
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 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 (m)				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 (m)				Area covered to obtain 0.5 Lux on the ground (m <sup>2</sup> )
			A	B	C	D		E	F	G	H	
<b>OVA48902</b>	2.50	7.28	7.69	19.88	2.63	7.24	48.35	5.57	12.97	2.24	5.25	83.21
<b>OVA48904</b>	3.00	5.06	7.62	21.10	2.56	7.41	48.87	6.08	14.50	2.38	5.69	90.37
<b>OVA48920</b>	3.50	3.72	6.80	21.71	2.50	7.41	49.20	6.13	16.14	2.57	6.09	96.58
<b>OVA48922</b>	4.00	2.84	6.28	21.83	2.40	7.27	46.41	6.25	17.71	2.70	6.36	94.02
	5.00	1.82	5.55	18.81	2.02	6.97	29.75	6.62	20.35	2.73	6.87	96.69
	6.00	1.26	4.52	17.22	1.39	6.45	26.78	7.04	22.07	2.50	7.32	91.04
<b>OVA48900</b>	2.50	8.11	3.78	9.97	3.78	9.87	40.91	4.01	11.19	4.01	10.95	76.24
<b>OVA48903</b>	3.00	5.63	3.84	10.39	3.84	10.34	45.52	4.17	11.74	4.17	11.64	80.33
<b>OVA48921</b>	3.50	4.14	3.82	10.68	3.82	10.63	47.38	4.27	12.32	4.27	12.22	87.47
<b>OVA48923</b>	4.00	3.17	3.73	10.81	3.73	10.76	38.08	4.36	12.75	4.36	12.52	91.64
	5.00	2.03	3.28	10.82	3.31	10.77	29.75	4.31	13.65	4.34	13.55	96.69
	6.00	1.41	2.33	10.34	2.39	10.29	10.71	4.11	14.18	4.20	14.08	85.69
	7.00	1.03	0.67	9.44	0.80	9.35	0.00	3.55	14.44	4.11	14.34	58.31
<b>OVA48901</b>	2.50	7.74	7.26	18.18	2.78	7.48	43.70	5.08	10.62	2.25	4.46	81.35
<b>OVA48905</b>	3.00	5.38	7.33	19.63	2.75	7.75	45.52	5.47	11.81	2.36	4.84	89.03
<b>OVA48924</b>	3.50	3.95	6.58	20.48	2.64	7.91	44.65	5.55	12.84	2.52	5.14	89.29
<b>OVA48926</b>	4.00	3.02	5.99	20.32	2.57	7.93	41.65	5.65	13.75	2.71	5.41	94.02
	5.00	1.94	5.22	17.69	2.23	7.64	37.19	5.89	18.44	2.80	6.95	89.26
	6.00	1.34	4.60	16.37	1.64	7.28	24.10	6.41	20.27	2.60	7.50	85.69
<b>OVA48906</b>	2.50	8.89	3.81	9.76	3.74	9.92	45.09	4.00	10.78	3.94	10.41	76.70
<b>OVA48907</b>	3.00	6.17	3.91	10.29	3.87	10.45	48.87	4.15	11.51	4.12	11.41	83.01
<b>OVA48925</b>	3.50	4.53	3.96	10.68	3.92	10.84	47.38	4.29	12.17	4.26	12.07	92.03
<b>OVA48927</b>	4.00	3.47	3.86	10.96	3.86	11.01	49.98	4.36	12.64	4.36	12.54	97.59
	5.00	2.22	3.57	11.20	3.57	11.26	44.63	4.39	13.54	4.39	13.18	96.69
	6.00	1.54	2.80	10.85	2.83	11.00	32.13	4.30	14.18	4.34	13.95	85.69
	7.00	1.13	1.39	10.22	1.33	10.27	10.93	4.15	14.97	3.98	14.74	87.47

## Smartbeam High ceiling



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 (m)				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 (m)				Area covered to obtain 0.5 Lux on the ground (m <sup>2</sup> )
			A	B	C	D		E	F	G	H	
OVA48929	6.00	6.56	5.55	13.41	5.64	13.34	109.79	5.38	7.05	5.30	7.03	144.60
	7.00	4.82	5.98	14.77	6.14	14.77	120.27	5.93	7.88	5.78	7.84	178.59
	8.00	3.69	6.36	15.95	6.48	16.02	152.33	6.36	8.63	6.25	8.58	199.93
	9.00	2.92	6.60	17.03	6.72	17.09	162.67	6.81	9.30	6.70	9.32	228.94
	10.00	2.36	6.68	17.95	6.75	17.94	148.76	7.12	9.99	7.06	9.91	245.45
	11.00	1.95	6.54	18.73	6.68	18.63	144.00	7.45	10.62	7.31	10.53	288.00
	12.00	1.64	6.18	19.28	6.31	19.18	128.53	7.70	11.19	7.54	11.09	321.32
	13.00	1.40	5.59	19.61	5.65	19.42	150.84	7.79	11.71	7.70	11.50	326.83
	14.00	1.20	4.55	19.71	4.62	19.52	58.31	7.88	12.18	7.77	11.96	291.57
	15.00	1.05	2.51	19.49	2.44	19.39	0.00	7.62	12.59	7.82	12.46	267.77
OVA48930	6.00	8.47	7.41	18.48	2.67	8.21	83.01	7.60	16.05	3.06	8.66	133.88
	7.00	6.22	7.71	19.54	2.79	7.97	91.12	8.07	19.03	3.24	9.38	138.50
	8.00	4.76	8.00	20.48	2.87	8.21	104.73	8.57	22.23	3.40	9.91	166.61
	9.00	3.76	8.32	21.26	2.97	8.56	90.37	8.98	25.19	3.52	10.11	168.69
	10.00	3.05	8.54	22.02	3.01	8.87	89.26	9.45	26.17	3.65	9.71	185.95
	11.00	2.52	8.67	22.58	3.00	9.19	108.00	9.78	27.45	3.71	9.95	198.00
	12.00	2.12	8.72	23.18	2.94	9.41	117.82	10.13	28.41	3.74	10.14	192.79
	13.00	1.80	8.60	23.72	2.88	9.55	100.56	10.39	29.20	3.81	10.45	175.98
	14.00	1.56	8.33	24.23	2.72	9.66	116.63	10.53	30.04	3.78	10.79	174.94
	15.00	1.35	7.73	24.62	2.51	9.69	83.68	10.58	30.83	3.78	10.98	200.83
	16.00	1.19	6.63	24.67	2.11	9.57	0.00	10.50	31.60	3.68	11.24	228.50
	17.00	1.05	4.71	24.59	1.34	9.36	0.00	10.72	32.68	3.40	11.55	236.45

## Smartbeam 5 lux

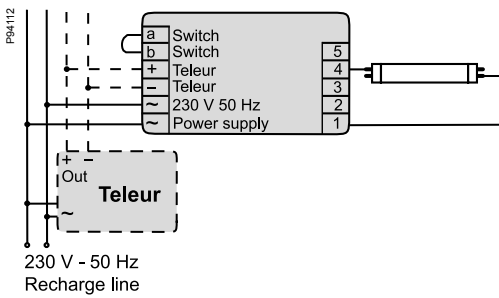
Catalogue number	Installation height for ceiling mounting (m)	Diameter covered to obtain 5 Lux on the ground (m)
OVA48928	2.00	dia 3.5
OVA48931	2.50	dia 4
	3.00	dia 4
	3.50	dia 4.25
	4.00	dia 4
	4.50	dia 4
	5.00	dis 3.5
	5.50	dia 3
	6.00	dia 2

### Evx Ferro

- ✘ Disconnect the wiring
- Number of Evx Ferro standard contact

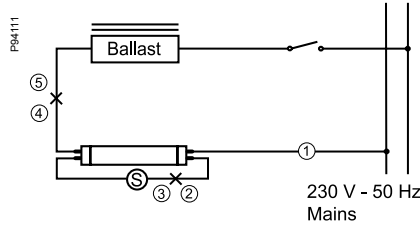
Before: internal diagram of the luminaire.  
After: diagram with Evx Ferro connected.

#### Non-maintained mode

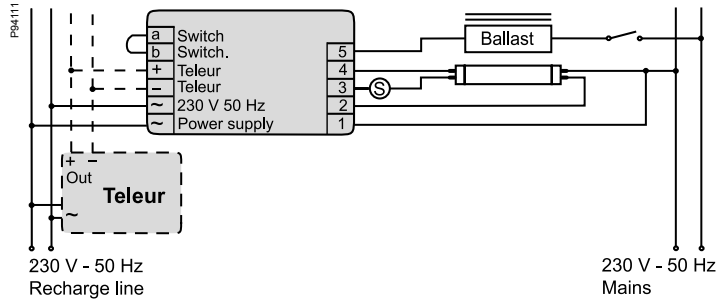


### Single tube, electromagnetic ballast

**Before** (in maintained mode)

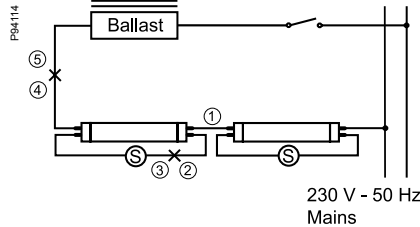


**After, in maintained mode**

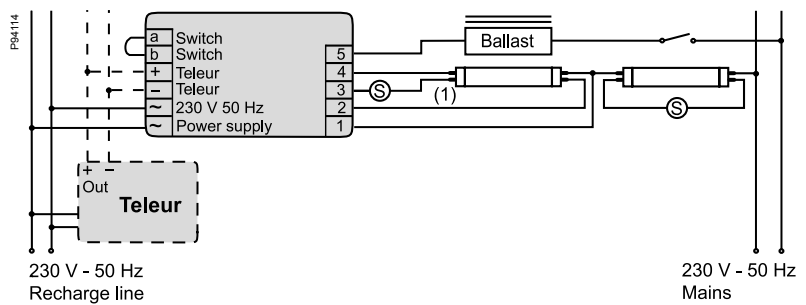


### Double tube, electromagnetic ballast

**Before** (in maintained mode)



**After, in maintained mode**



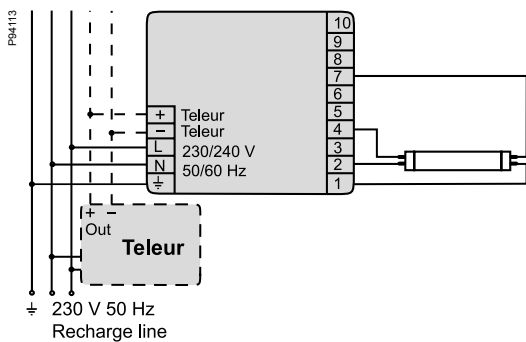
(1) Only one lamp in emergency mode

## Evx Power T5 AC

- ✘ Disconnect the wiring
- Number of Evx Power T5 AC standard contact

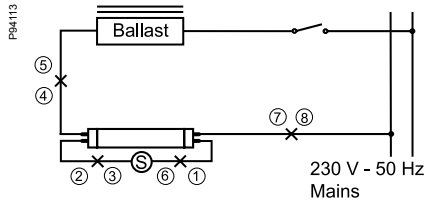
Before: internal diagram of the luminaire.  
After: diagram with Evx connected.

### Non-maintained mode

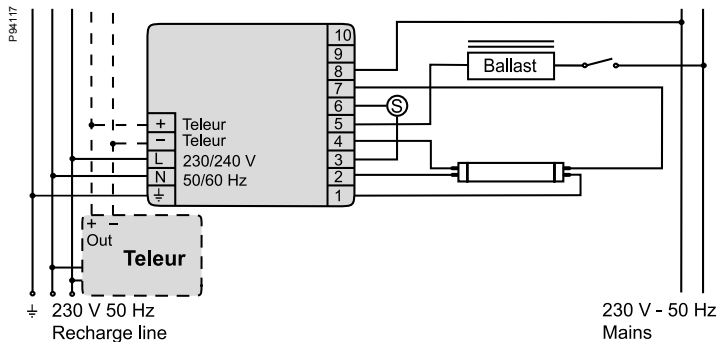


## Single tube, electromagnetic ballast

Before (in maintained mode)

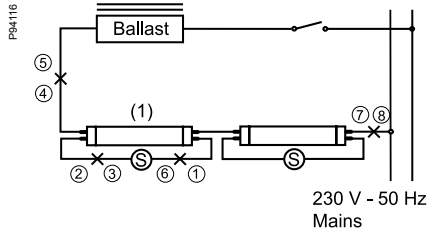


After, in maintained mode

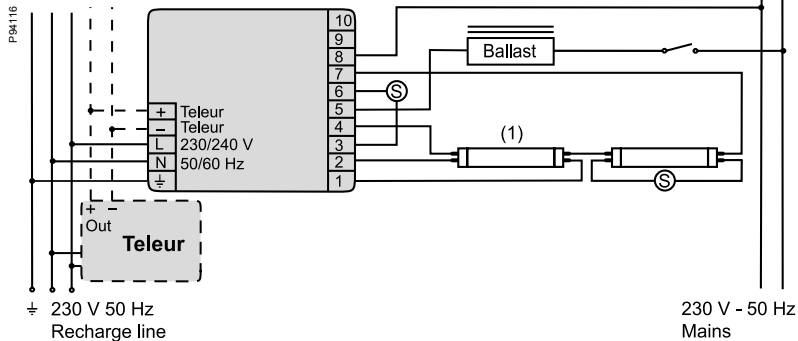


## Double tube, electromagnetic ballast

Before (in maintained mode)



After, in maintained mode

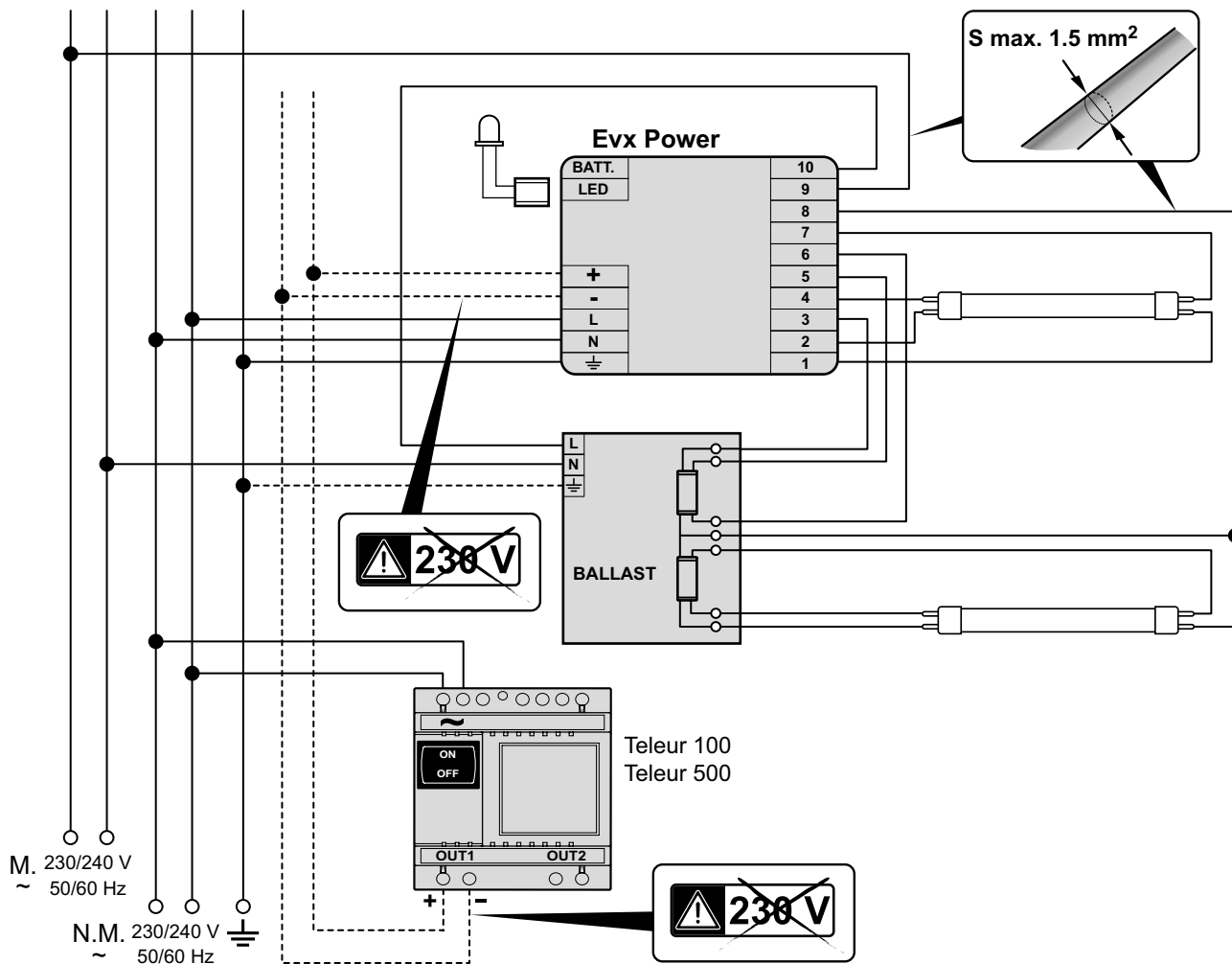


(1) Only one lamp in emergency mode

### Evx Power T5 AC (cont.)

#### General connection, electronic ballast

**M:** maintained mode,  
**N.M** Non-maintained mode



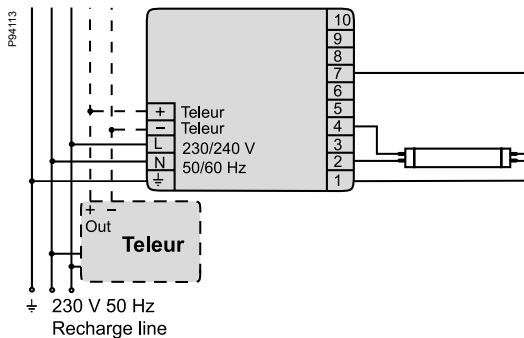


## Evx Power T5 AC (cont.)

- ✕ Disconnect the wiring
- Number of Evx Power T5 AC standard contact

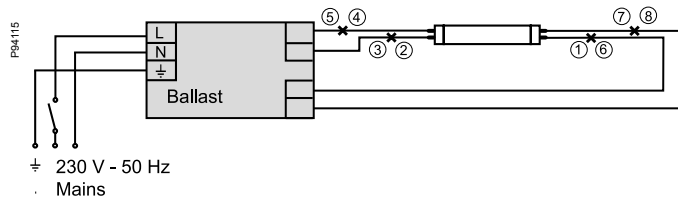
Before: internal diagram of the luminaire.  
After: diagram with Evx connected.

### Non-maintained mode

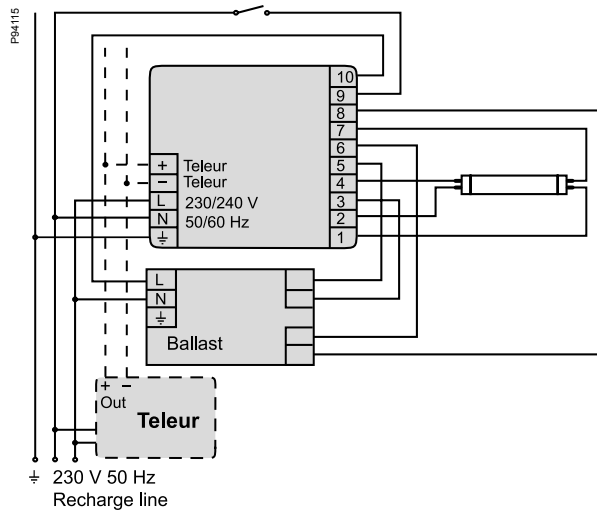


## Single tube, electronic ballast

Before (in maintained mode)

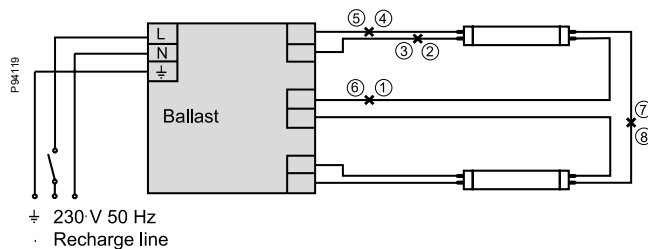


After, in maintained mode

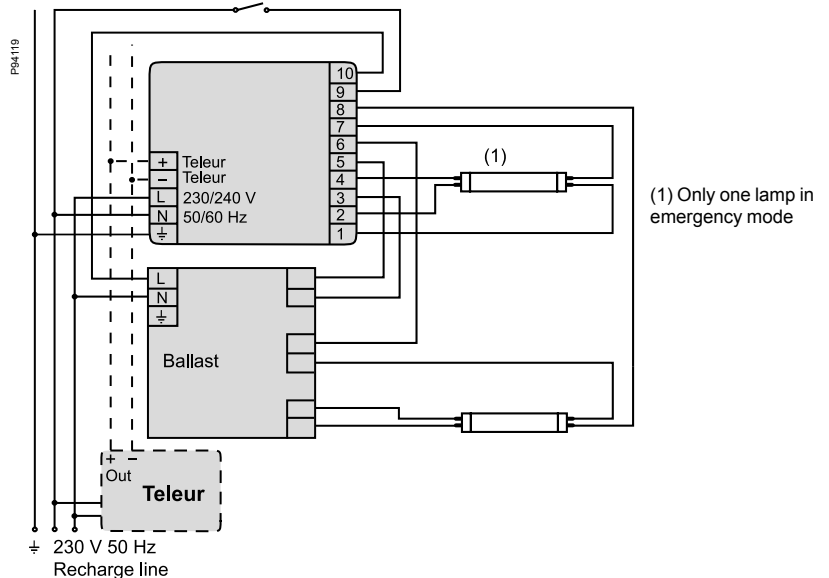


## Double tube (6 contacts), electronic ballast

Before (in maintained mode)



After, in maintained mode



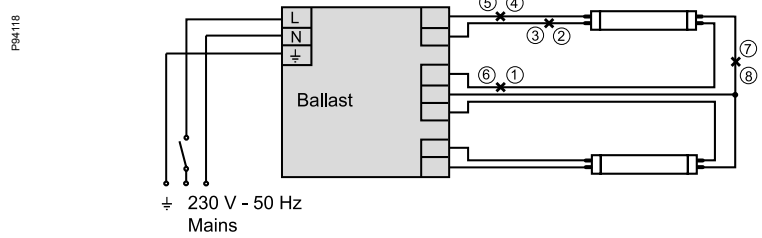
### Evx Power T5 AC (cont.)

- ✘ Disconnect the wiring
- Number of Evx Power T5 AC standard contact

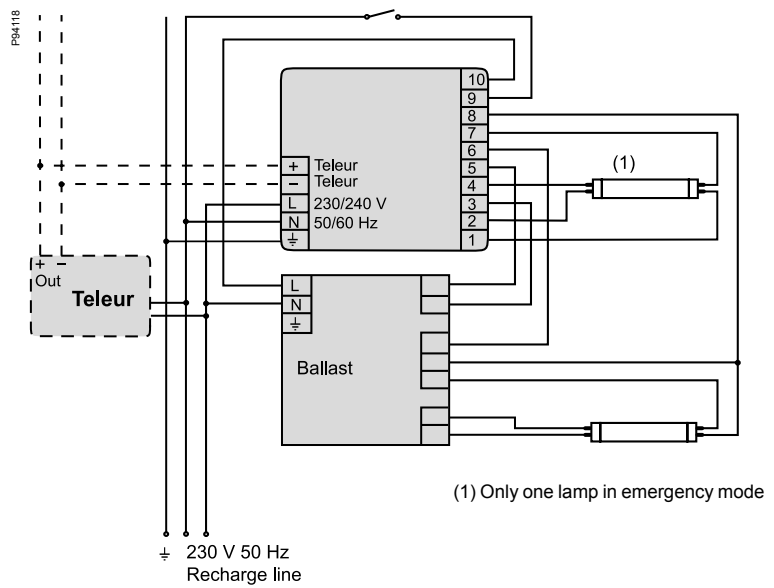
Before: internal diagram of the luminaire.  
 After: diagram with Evx connected.

#### Double tube (7 contacts), electronic ballast

**Before (in maintained mode)**

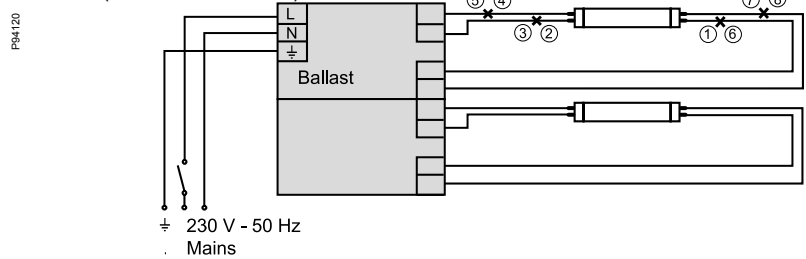


**After, in maintained mode**

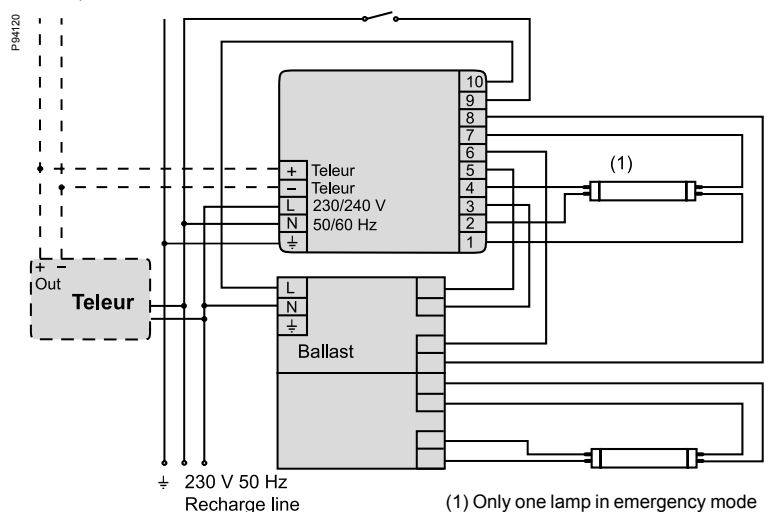


#### Double tube (8 contacts), electronic ballast

**Before (in maintained mode)**



**After, in maintained mode**



# Maintenance

## Periodic checks and maintenance

It is important to establish preliminary and periodic checking procedures to ensure the system is up to standard and conforms to all technical and regulation requirements, and above all doesn't lose its safety and functional features over time.

### Checks

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

### Periodic maintenance and check records

As regards maintenance the most recent rules come from the standard **EN 50172 "Emergency escape lighting systems"**, which establish 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 updated 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 the following information as a minimum:

- Date the system started working including emergency lighting technical.
- 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 periodic check and operation made (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 of 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 periodic maintenance or overhaul made.
- Serial number or other details of identification of the safety devices.
- Name and address of company and other identification details of the maintenance person in charge.
- 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 keep the system working efficiently on the other hand are:

1. All checking operations of 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** of the energy source power supply indicators and each inhibition circuit if present;
3. Each **month** (preferably each **week**) carry-out an operational test of the system, simulating failure of the standard power supply for enough time to allow verification of the start-up of the lighting devices and signs. The duration of the test shouldn't significantly limit the autonomy of the devices tested, but should give enough time to check that the devices are present, clean and that they work properly;
4. At least **once a year, carry out** (or-preferably every six months) a discharge test on each lighting and sign 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

## Periodic checks and maintenance (cont.)

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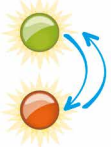
**GREEN**  
Luminaire working



**FLASHING RED**  
0.5 Hz Luminaire failure



**RED**  
Battery faulty or disconnected.



**ALTERNATE GREEN and RED**  
Test inhibited or functional test not done for more than 1 month, or duration test not done for more than 1 year.



**FAST FLASHING RED**  
2 Hz Connection error



**FLASHING GREEN**  
0.5 Hz Test in progress

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

### Self-contained luminaire systems with self-diagnosis

The luminaires belonging to this series are called Activa, they use technology that allow them to make periodic automatic and autonomous functional and duration checks, thus ensuring greater system reliability and safety.

The functional tests are carried out automatically every 7 days and the duration tests every 12 weeks. Any defects are indicated by dedicated red and green Leds which shows a pre-determined colour when the system detects a fault.

Connecting these luminaires is also very easy. They are powered by the mains system and are the same as the STANDARD luminaires.

You can carry out some operations when the mains power supply is on with the Teleur remote control, for example synchronising the tests, inhibiting the checks or carrying out immediate manual functional tests.

If the mains power supply is off, the Teleur can shutdown the emergency luminaire just as it would for the standard luminaires.

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Smart TBS

For Smart ranges (Smartbeam, Smartduo) the dedicated remote control (Smart TBS) show the status of the luminaires connected thanks to an LED which show if there is a fault in the system.

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

Lighting provided for use when the supply to the normal lighting fails.

#### 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, and continuously to the end of rated duration of operation.

#### 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

That part of emergency escape lighting provided to ensure that the means of escape can be effectively identified and safety used when the location is occupied.

#### Externally illuminated safety sign

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

### I

#### Internally illuminated safety sign

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

### L

#### Lumen (lm)

Unit of measurement to quantify the amount of light provided by the luminaire (it's 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 the 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 illuminance 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, that 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 and 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

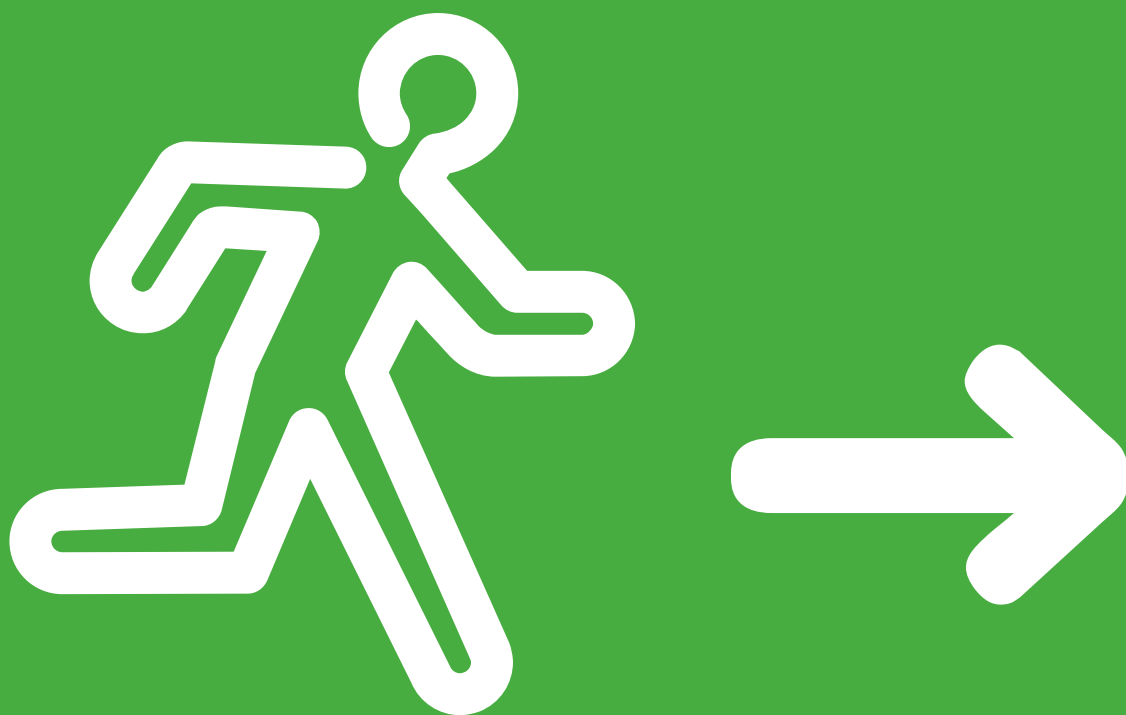
#### Safety sign

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, the lamp, where provided, are contained within the luminaire or adjacent to it (i. e., within 1 m cable length).





<b>OVA37●●●</b>			
OVA37066E	4, 16		
OVA37067E	4, 16		
OVA37068E	4, 16		
OVA37069E	4, 16		
OVA37070E	4, 16		
OVA37071E	4, 16		
OVA37072E	4, 16		
OVA37105	4, 17		
OVA37106	4		
OVA37106	17		
OVA37107	4, 17		
OVA37108	4, 17		
<b>OVA38●●●</b>			
OVA38072E	8, 49		
OVA38073E	8, 49		
OVA38074E	8, 49		
OVA38075E	8, 49		
OVA38077	6, 44		
OVA38078	6, 44		
OVA38079	6, 44		
OVA38080	6, 44		
OVA38081	6, 44		
OVA38082	6, 44		
OVA38083	6, 44		
OVA38084	6, 44		
OVA38464E	6, 33		
OVA38465E	6, 33		
OVA38466E	6, 33		
OVA38504E	6, 37		
OVA38505E	6, 37		
OVA38506E	6, 37		
<b>OVA41●●●</b>			
OVA41033E	9, 62		
OVA41317E	9, 60		
OVA41318E	9, 61		
OVA41319E	9, 61		
<b>OVA43●●●</b>			
OVA43101E	8, 53		
OVA43102E	8, 53		
OVA43103E	8, 53		
OVA43104E	8, 53		
OVA43105E	8, 53		
OVA43106E	8, 53		
OVA43114	8, 55		
OVA43115	8, 55		
OVA43116	8, 55		
<b>OVA48●●●</b>			
OVA48020	5, 25		
OVA48900	4, 19		
OVA48901	4, 19		
OVA48902	4, 19		
OVA48903	4, 19		
OVA48904	4, 19		
OVA48905	4, 19		
OVA48906	4, 19		
OVA48907	4, 19		
OVA48920	4, 19, 21		
OVA48921	4, 19, 21		
OVA48922	4, 19, 21		
OVA48923	4, 19, 21		
OVA48924	4, 19, 21		
OVA48925	4, 19, 21		
OVA48926	4, 19, 21		
OVA48927	4, 19, 21		
OVA48928	4, 21		
OVA48929	4, 21		
OVA48930	4, 21		
OVA48931	4, 21		
<b>OVA50●●●</b>			
OVA50236E	4, 17		
OVA50237E	4, 17		
OVA50238E	4, 17		
OVA50239E	4, 17		
OVA50240E	4, 17		
OVA50241E	4, 17		
OVA50246E	6, 33		
OVA50247E	4, 17		
OVA50248E	4, 17		
OVA50249E	4, 17		
OVA50250E	4, 17		
OVA50251E	4, 17		
OVA50252E	4, 17		
OVA50281E	6, 33		
OVA50314E	6, 38		
OVA50315E	9, 60, 61		
OVA50316E	6, 38		
OVA50318E		6, 38	
OVA50319E		6, 37	
OVA50320E		6, 37	
OVA50321E		6, 37	
OVA50322E		6, 37	
OVA50323E		6, 37	
OVA50324E		6	
OVA50325E	8, 17, 33, 38, 45, 49, 53, 55, 65		
OVA50326E	8, 17, 33, 38, 45, 49, 53, 55, 65		
OVA50343E		4, 17	
OVA50344E		4, 17	
OVA50355E		6, 33	
OVA50356E		6, 33	
OVA50357E		6, 33	
OVA50358E		9, 60, 61, 62	
OVA50359E		9, 62	
OVA50360E		9, 60, 61	
<b>OVA51●●●</b>			
OVA51000E		9, 60, 61, 63	
OVA51001E		9, 60	
OVA51002E		9, 61, 63	
OVA51006E		4, 17	
OVA51007E		4, 17	
OVA51009E		4, 17	
OVA51011E		4, 17	
OVA51012E		4, 17	
OVA51014E		6, 38	
OVA51015E		38	
OVA51016E		4, 17	
OVA51018E		4, 17	
OVA51019E	4, 8, 17, 49		
OVA51020E		9, 63	
OVA51021E		4, 17	
OVA51023E		9, 60, 61	
OVA51026E		8, 53	
OVA51027E		8, 53	
OVA51028E		8, 53	
OVA51029E		8, 53	
OVA51033E		8, 53, 55	
OVA51034E		8, 49	
OVA51035E		8, 49	
OVA51036E		9, 61	
OVA51039E		8, 49	
OVA51046E		8, 55	
OVA51050		45	
OVA51051		45	
OVA51057		4, 17	
OVA51073		8, 55	
OVA51143		4, 17	
OVA51154		4, 19, 21	
OVA51157		4, 19, 21	
OVA51158		4, 21	
OVA51162		4, 17	
OVA51169		5, 25	
<b>OVA53●●●</b>			
OVA53000E		8, 49	
OVA53001E		8, 49	
OVA53002E		8, 49	
OVA53003E		8, 49	
OVA53004E		8, 49	
OVA53005E		8, 49	
OVA53006E		8, 49	
OVA53007E		8, 49	
OVA53008E		8, 49	
OVA53009E		8, 49	
OVA53010E		8, 49	
OVA53011E		8, 49	
OVA53032E		6	
OVA53046		6, 44	
OVA53047		6, 44	
OVA53048		6, 44	
OVA53049		6, 44	
OVA53050		6, 44	
OVA53124		6, 37	
OVA53125		6, 37	
OVA53126		6, 37	
OVA53127		6, 37	
OVA53128		6, 37	
OVA53151		44	
OVA53152		44	
OVA53153		44	
OVA53154		44	
OVA53155		44	
OVA53161		19, 21, 25	
OVA53162		19, 21, 25	
OVA53179		4, 17	
OVA53180		4, 19, 21	
OVA53181		4, 19, 21	
OVA53183		19, 21	







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