Luminaires, conversion kits, lamps

Catalogue 2020

Emergency lighting

Stand alone products

se.com

Life Is On Schneider Electric

Green Premium™

An industry leading portfolio of offers delivering sustainable value

Green Premium™

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_2 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_2 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)

Contents

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 hel

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

More solutions…

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

See dedicated catalogue and leaflet.

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.

Reliablility

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

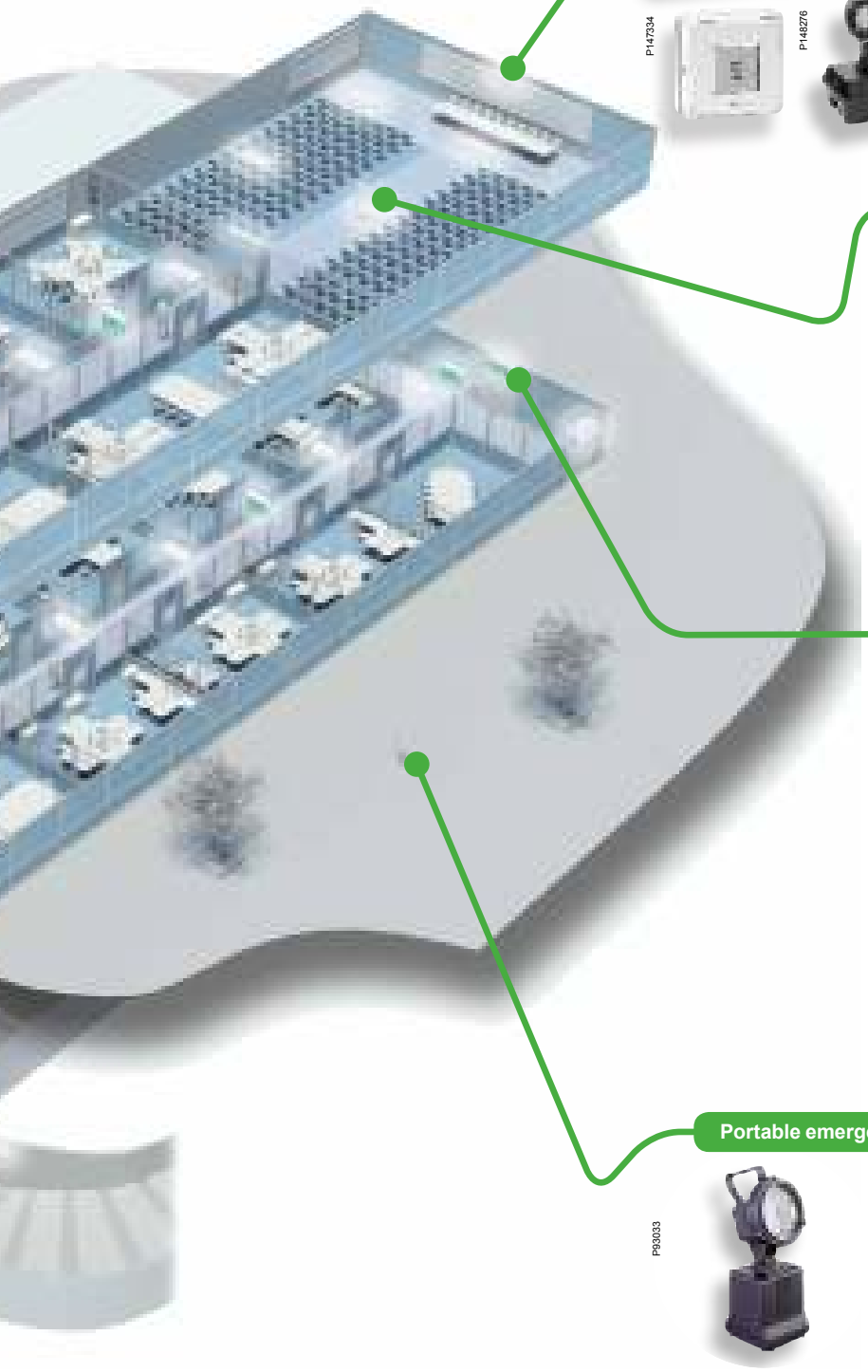
Whether they be flush mounted, in the false ceiling or surface- mounted, emergency lighting solutions are designed so as to be **perfectly integrated into various buildings aesthetics** (modern, architectural, classical…) and into various places (halls, parking, corridors,…).

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,…

p enhance buildings' safety

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



Emergency light fittings

Rilux, Smartbeam Smartduo

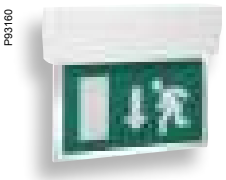
- Attractive design
- Installation accessories for many types of ceiling, flush and wall mounts
- Rilux LED versions

Conversion kits

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

Evx Ferro, Evx Power T5 AC

Emergency exit signs



- Long-life light
- Modern appearance

Astro Guida, Quick Signal, Lys Maxi Slim

Portable emergency lamps

Top 4, Toplux, Jodiolux

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

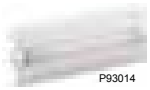
Quick selection guide

Emergency light fittings

> Rilux

IP40, IK06 / 07

see page 14


P93014

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)
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**

> Smartbeam

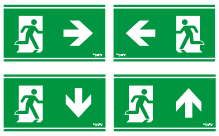
IP42 / 65, IK06 / 07

see page 18


P147334


P147333

Accessories


P147024

P146885


P147577

Spare parts


P147391

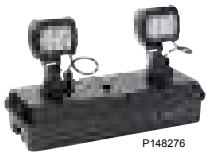
Protection rating		Autonomy (h)	Average flux (lm) emergency condition / maintained mode (*)	Emergency lighting			Vetrosignal kit (up, down, left, right, opaline)	Adaptator ring	Batteries (LiFePO4)
				Escape route	Open area	5 lux			
Standard version									
False ceiling									
IP42	IK06	1.5	200/200 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

	Spare parts		
	 P98698	 P98733	 P98733
	Protective grids	Fluorescent tubes	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**

> 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**

Quick selection guide (cont.)

Emergency exit signs

> Astro Guida

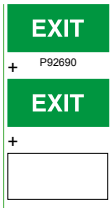
Self-diagnosis version (Activa)
Standard version
IP42, IK06
see page 30


P93012

Accessories


P98730


P98731



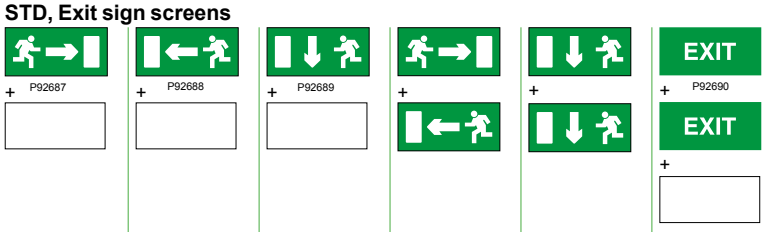
Visibility (m)	Autonomy (h)	Emergency exit signs	Ceiling, hanging and electrified track kit	Protective grid	EN Exit sign screens for 1 or 2 sides
Self-diagnosis version (Activa)					
24	1	**OVA38466E**	**OVA50356E**	**OVA50357E**	**OVA50281E**
Standard version					
24	1	**OVA38464E**	**OVA50356E**	**OVA50357E**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

> Quick Signal

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


P101292

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
Self-diagnosis version (Activa)								
28	1	**OVA38506E**	**OVA50319E**	**OVA50320E**	**OVA50321E**	**OVA50322E**	**OVA50323E**	**OVA50324E**
Standard version								
28	1	**OVA38504E**	**OVA50319E**	**OVA50320E**	**OVA50321E**	**OVA50322E**	**OVA50323E**	**OVA50324E**
	3	**OVA38505E**	**OVA50319E**	**OVA50320E**	**OVA50321E**	**OVA50322E**	**OVA50323E**	**OVA50324E**

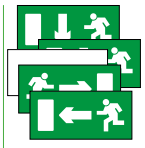
> Lys

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


P122225

Exit sign screens

Type	Visibility (m)	Autonomy (h)	Emergency exit signs	Exit sign screens for 1 side signaling			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		**OVA38081**	**OVA53046**	**OVA53047**	**OVA53048**	**OVA53049**	**OVA53050**
		3	**OVA38082**	**OVA53046**	**OVA53047**	**OVA53048**	**OVA53049**	**OVA53050**
Lys-F	25 / 30		**OVA38079**	**OVA53046**	**OVA53047**	**OVA53048**	**OVA53049**	**OVA53050**
		3	**OVA38080**	**OVA53046**	**OVA53047**	**OVA53048**	**OVA53049**	**OVA53050**
Lys-C	25 / 30		**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					Accessories		Spare parts	
	SALIDA + P99857 SALIDA +	+ P147029	+ P147030	+ P146885	+ P147024	+ P147025	P98732	P101293	P101295	P101302
	ES Exit sign screens for 1 or 2 sides						False ceiling mounting kit	Hanging kit	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**

Quick selection guide (cont.)

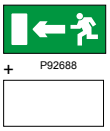
Emergency exit signs

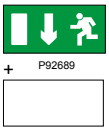
> Maxi Slim
Standard version
IP40
see page 46

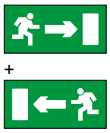

P101277

Exit sign screens


+ P92687


+ P92688


+ P92689


+


+

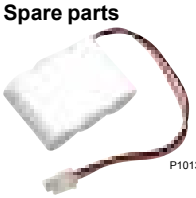
Visibility (m)	Autonomy (h)	Emergency exit signs	Exit sign screens for 1 side signaling			Exit sign screens for 2 sides signalling	
60	1	**OVA38072E**	**OVA53000E**	**OVA53001E**	**OVA53002E**	**OVA53003E**	**OVA53004E**
	3	**OVA38073E**	**OVA53000E**	**OVA53001E**	**OVA53002E**	**OVA53003E**	**OVA53004E**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

Conversion kits

> Evx Ferro
Standard version
see page 52


P93022

Spare parts


P101301

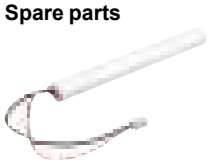

P101300

Batteries		Conversion kits	Batteries Ni-Cd	LED
3.6 V - 2 Ah 5 VA	side by side	**OVA43101E**	**OVA51027E**	**OVA51033E**
	in line	**OVA43102E**	**OVA51026E**	**OVA51033E**
3.6 V - 4 Ah 5 VA	side by side	**OVA43103E**	**OVA51029E**	**OVA51033E**
	in line	**OVA43104E**	**OVA51028E**	**OVA51033E**
3.6 V - 2 Ah 4.5 VA	in line	**OVA43105E**	**OVA51026E**	**OVA51033E**
3.6 V - 4 Ah 7 VA	in line	**OVA43106E**	**OVA51028E**	**OVA51033E**

> Evx Power T5 AC
Standard version
see page 54


P93023

Spare parts


P101294


P101300

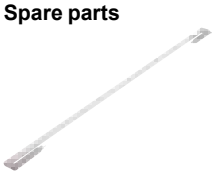
Batteries		Conversion kits	Batteries Ni-Cd	LED
6 V - 4.5 Ah	in line	**OVA43114**	**OVA51046E**	**OVA51033E**
6 V - 4.5 Ah	in line	**OVA43115**	**OVA51046E**	**OVA51033E**
6 V - 7 Ah	in line	**OVA43116**	**OVA51073**	**OVA51033E**

Remote control

> Teleur
see page 65


P93007

Maximum number of luminaires	Width in modules of 18 mm	Remote control
100	4.4	**OVA50325E**
500	4	**OVA50326E**

	Accessories	Spare parts	
	 P98692	 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

			Accessories			Spare parts		
		 P93029	 P93163	 P93036	 P93159	 P101304	 P101307	 P101305
Lamp and autonomy		Portable emergency lamp	Lamp supports	Diffuser signaller	Charger	Battery Pb	Main lamp	Auxiliary lamp
main	auxiliary							
6 W - 4 h	1.5 W - 15 h	**OVA41317E**	**OVA50360E**	**OVA50315E**	**OVA50358E**	**OVA51023E**	**OVA51001E**	**OVA51000E**

> Toplux

IP55

see page 61

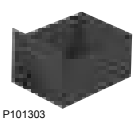
			Accessories			Spare parts		
		 P93031	 P93163	 P93036	 P93159	 P101304	 P101289	 P101305
Lamp and autonomy		Portable emergency lamp	Lamp supports	Diffuser signaller	Charger	Batteries Pb	Main lamp	Auxiliary lamp
main	auxiliary							
10 W - 1 h 30	1.5 W - 15 h	**OVA41318E**	**OVA50360E**	**OVA50315E**	**OVA50358E**	**OVA51023E** (1)	**OVA51002E**	**OVA51000E**
10 W - 4 h	1.5 W - 24 h	**OVA41319E**	**OVA50360E**	**OVA50315E**	**OVA50358E**	**OVA51036E** (2)	**OVA51002E**	**OVA51000E**

(1) Lead battery
(2) Ni-Cd battery

> Jodiolux

IP65, IK07

see page 62

			Accessories		Spare parts		
		 P93033	 P101303	 P93159	 P101306	 P101289	 P101305
Lamp and autonomy		Portable emergency lamp	Lamp supports	Charger	Battery Ni-Cd	Main lamp	Auxiliary lamp
main	auxiliary						
10 W - 4 h	1.5 W - 24 h	**OVA41033E**	**OVA50359E**	**OVA50358E**	**OVA51020E**	**OVA51002E**	**OVA51000E**

Presentation

Avoid public panic for greater safety

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

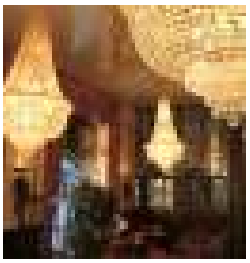
2 mains benefits for buildings' occupants:

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

P61607

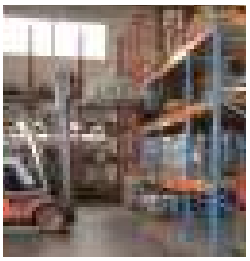
School, administration building, etc.

ELP03642



Hotel, office, museum, etc.

P101575



Outdoors, factory, very high warehouse, etc.

Easy to install and maintain

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

Design

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

Adaptable

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

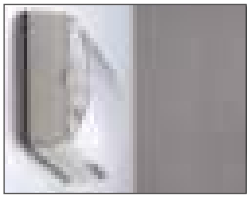
Intelligent

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

P101278

Special holes.

P101283



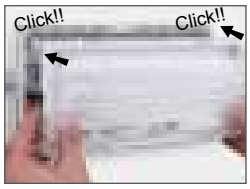
Discreet.

P101286

P93007

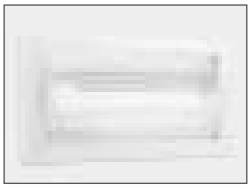
Teleur.

P106294

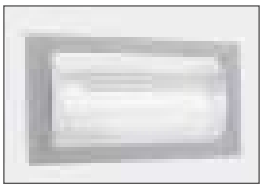


Quick connection.

P106291



P106292



Versatile.

P148374

Swivelable heads.

P148341

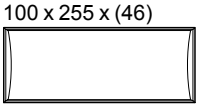
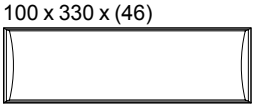
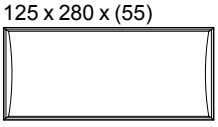
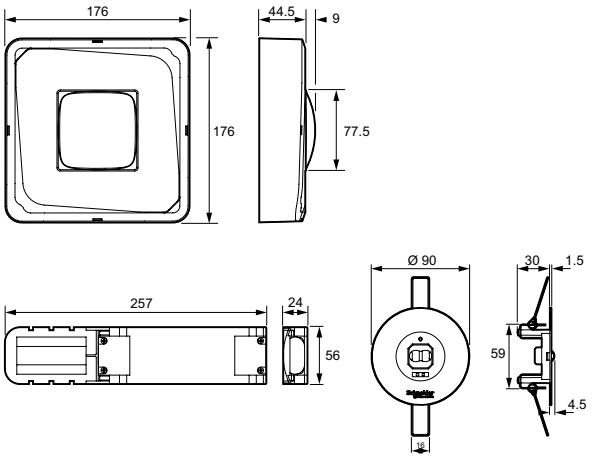
Sealing, IP65.

"Zoom on "

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

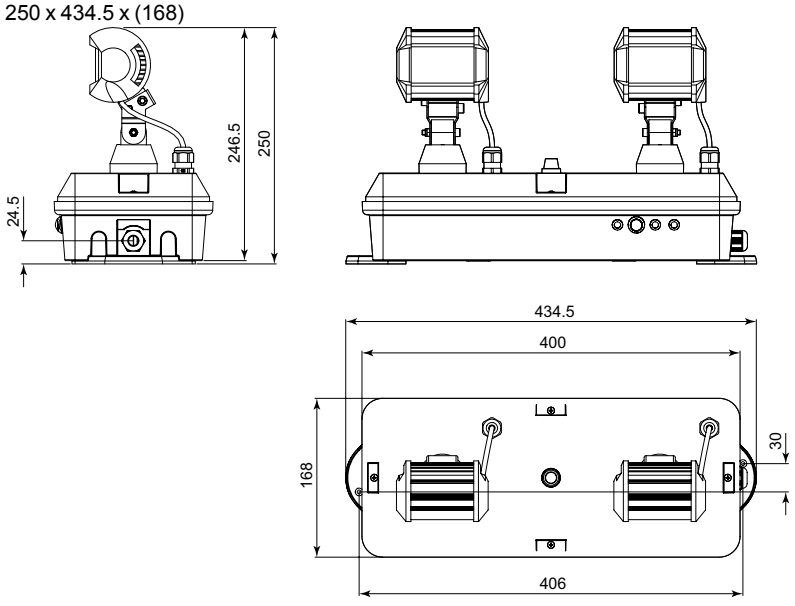
Some light fittings are available in a self-test version (Smartbeam, Astro Guida, Quick Signal, Lys).
These devices make their operational tests.
They tell whether the light source, the battery or the device is defective (and has to be replaced).
The diagnosis is displayed by a diode that flashes at an appropriate rate and in an appropriate colour.

Range overview

Range		Rilux	Smartbeam
		P93014 	P147334 P147333 
Technical specifications			
Protection rating		IP40	IP42/IP65
Self-diagnosis		-	■
Autonomy	1 h	■ IK06 / 07	-
	1.5 h	■ IK06	■ IK04 / 07
	3 h	■ IK06	■ IK04 / 07
Adptable exit sign		■	■
Average flux in non-maintained mode			
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		-	■
Average flux in maintained mode (emergency condition)			
75 lm		■ Standard	-
170 lm		■ LED	-
190/200/210/220 lm		-	■
390 lm		-	■
Installation methods			
Wall		■	■
Flush		-	■
Ceiling		■	■
High ceiling		-	■
False ceiling		-	■
Dimensions (mm) - h x w x (d)			
The drawings are scale drawings		**6 W:** 100 x 255 x (46) P99864  **8 W/LED:** 100 x 330 x (46) P99865  **11/18 W:** 125 x 280 x (55) P99866 	P147584 
Page		**14**	**18**

Range	Smartduo
P148276	
Technical specifications	
Protection rating	IP65
Self-diagnosis	
Auton omy 1 h	■ IK07
3 h	
Adptable exit sign	
Average flux in non-maintained mode	
50 lm	-
100 lm	-
150 lm	-
200 lm	-
400 lm	-
640 lm	-
2400 lm	■ IK07
Average flux in maintained mode (emergency condition)	
100 lm	-
145 lm	-
Installation methods	
Wall	■ Horizontally or vertically
Flush	-
Ceiling	-
False ceiling	-
45° mounting	-
Hanging	-
Electrified track	-
Dimensions (mm) - h x w x (d)	
The drawings are scale drawings	**2 x 18 W** 250 x 434.5 x (168)

P99873



Page	22

Rilux

Standard, LED versions IP40, IK06 / 07

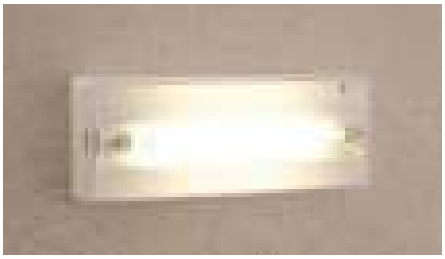
Good performance and attractive design at the right price!

P93014

P147237

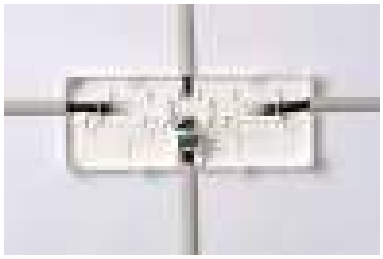
Up to 250 lumens

P103011



3. Access from five sides

P103015



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.

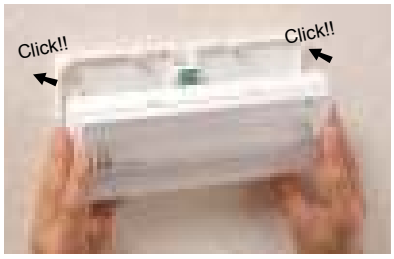
P101278

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.

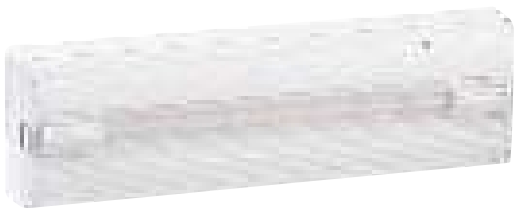
4. Easy to transform

P101286

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

Rilux (cont.)
Standard, LED versions IP40, IK06 / 07

P147237



CE

P92716

Quick mounting

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 inihibited 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

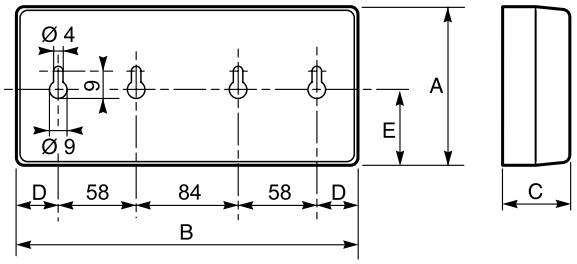
(> 10 years expected in typical ambient temperature* condition)

- ■ 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.

(*) Typical environment temperature: 25°C.

P92718

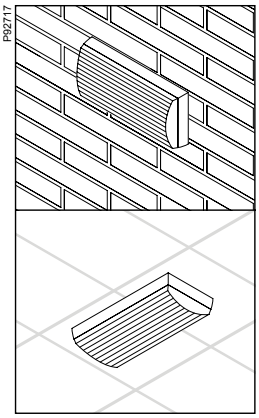
Dimensions(mm)



	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

Installation methods

P92717



Wall
(installation without accessories)

Ceiling
(installation without accessories)

Product catalogue numbers

Rilux Standard versions	Protection rating		Autonomy (h)	Average flux (lm) emergency condition	Average flux (lm) maintained mode	Lamp rated power (W)	Lamp socket	Consumption (VA)	Ni-Cd battery		Weight (kg)	Cat. no.
Non-maintained												
P93014	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**
Maintained												
	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.)

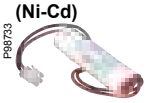
Rilux LED versions (1)	Protection rating	Autonomy (h)	Average flux (lm)		Equivalent lamp	Luminary Source	Consumption (VA)	Ni-Cd battery		Weight (kg)	Cat. no.
			emergency condition	maintained mode	power (W)						
P147237 	**Non-maintained**										
	IP40 IK06	1.5	100	-	8	LED	12	3.6 V	0.8 Ah	0.46	**OVA37105**
			150	-	11	LED	24	3.6 V	1.5 Ah	0.55	**OVA37108**
		1	225	-	24	LED	24	3.6 V	1.5 Ah	0.80	**OVA37107**
	Maintained										
	IP40 IK06	1.5	170	120	11-24	LED	24	3.6 V	1.5 Ah	0.65	**OVA37106***

(*) 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.
Pictogram stickers (set of 10)	P92687 	Rilux 6 W	88 x 240	**OVA50236E**
		Rilux 8 W/LED	88 x 316	**OVA50238E**
		Rilux 11/18 W	120 x 264	**OVA50240E**
Pictogram stickers (set of 10)	P92688 	Rilux 6 W	88 x 240	**OVA50247E**
		Rilux 8 W/ LED	88 x 316	**OVA50249E**
		Rilux 11/18 W	120 x 264	**OVA50251E**
Pictogram stickers (set of 10)	P92689 	Rilux 6 W	88 x 240	**OVA50248E**
		Rilux 8 W/ LED	88 x 316	**OVA50250E**
		Rilux 11/18 W	120 x 264	**OVA50252E**
Pictogram stickers (set of 10)	P92690 	Rilux 6 W	88 x 240	**OVA50237E**
		Rilux 8 W/ LED	88 x 316	**OVA50239E**
		Rilux 11/18 W	120 x 264	**OVA50241E**
ISO pictogram stickers (set of 4) Right,left, down, up	P147024  P146885 	Rilux 8 W/LED	88 x 316	**OVA53179**
Protective grids	P98698 	Rilux 6 /11/18 W	170 x 333 x 89	**OVA50343E**
		Rilux 8 W/ LED	180 x 393 x 89	**OVA50344E**
Teleur remote control	P93007 	■ Fluorescent tube, standard versions only (for 100 luminaires) ■ Not for LED versions	102 x 77 x 81 4.5 mod. of 18 mm	**OVA50325E**
Teleur 500 remote control	P93008 	■ Fluorescent tube, standard versions only (for 500 luminaires) ■ Not for LED versions	90 x 71 x 60 4 mod. of 18 mm	**OVA50326E**

Spare parts catalogue numbers

	Description	Compatibility	Cat. no.
Fluorescent tubes P98733 	6 W, G5	OVA37066E	**OVA51057**
	8 W, G5	OVA37067E, OVA37068E	**OVA51006E**
		OVA37071E, OVA37072E	**OVA51007E**
	11 W, 2G7	OVA37069E	**OVA51009E**
	18 W, 2G11	OVA37070E	**OVA51011E**
Batteries (Ni-Cd) P98733 	2.4 V, 1.5 Ah	OVA37066E, OVA37067E	**OVA51012E**
	3.6 V, 0.8 Ah	OVA37105	**OVA51162**
	3.6 V, 1.5 Ah	OVA37106, OVA37107, OVA37108	**OVA51143**
	4.8 V, 1.5 Ah	OVA37069E	**OVA51016E**
	6 V, 1.5 Ah	OVA37068E, OVA37072E	**OVA51019E**
	6 V, 0.6 Ah	OVA37071E	**OVA51018E**
	7.2 V, 1.5 Ah	OVA37070E	**OVA51021E**

Smartbeam
Standard versions IP42/IK04, IP65/IK07

P147581

Recessed version - IP42

P147334

Surface version - IP65

P147331

Recessed version with Vetrosignal kit accessory

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)

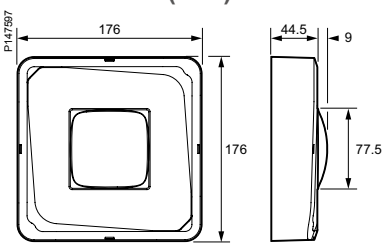
(*) Typical environment temperature: 25°C.

Accessories

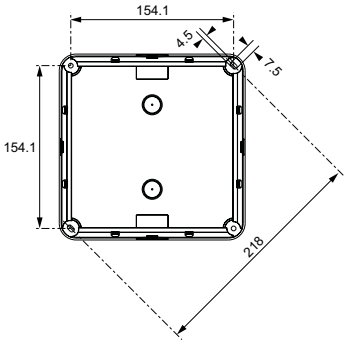
- **Vetrosignal kit**: includes an external adaptor (as 90 mm adaptor ring) with fixing clips for the panel and a set of ISO pictograms (set of 5) right, left, down, up, opaline
- **Pictogram screen kit**: set of 45° ISO pictograms for Vetrosignal (set of 4) right/down, left/down, right/up, left/up
-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

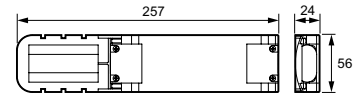
Dimensions(mm)

P147597

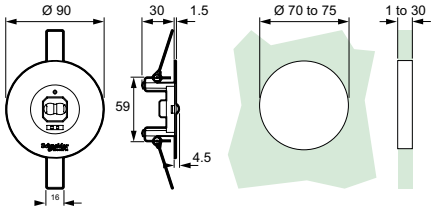


Surface version

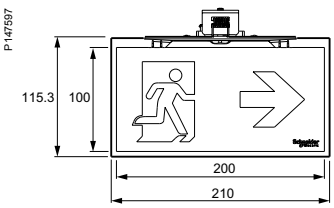


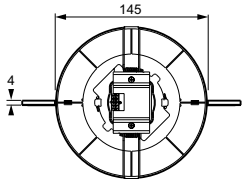


Recessed version



P147597

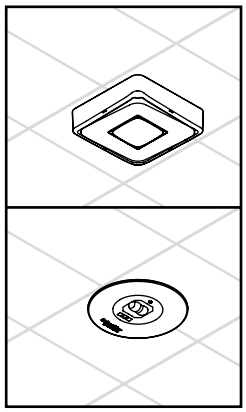




Recessed version with Vetrosignal kit accessory

Installation methods

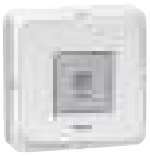
P147585



Surface mounting
(installation without accessories)

False ceiling
(installation without accessories)

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	**Escape route**									
P147334 	IP42 IK04	1.5	200	200	3.9/ 8.3	0.43/ 3.5	3.2	1.5	0.292	**OVA48902**
		3	200	200	4.6/ 8.7	0.52/ 3.5	6.4	1.5	0.335	**OVA48904**
	Open area									
	IP42 IK04	1.5	220	220	3.9/ 8.3	0.43/ 3.5	3.2	1.5	0.292	**OVA48903**
		3	220	220	4.6/ 8.7	0.52/ 3.5	6.4	1.5	0.335	**OVA48900**
Surface	**Escape route**									
P147333 	IP65 IK07	1.5	190	190	3.9/ 8.3	0.43/ 3.5	3.2	1.5	0.479	**OVA48905**
		3	190	190	4.6/ 8.7	0.52/ 3.5	6.4	1.5	0.524	**OVA48901**
	Open area									
	IP65 IK07	1.5	220	220	3.9/ 8.3	0.43/ 3.5	3.2	1.5	0.479	**OVA48906**
		3	220	220	4.6/ 8.7	0.52/ 3.5	6.4	1.5	0.524	**OVA48907**

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

Spare parts catalogue numbers

	Description	Compatibility	Cat. no.
Batteries (LiFePO4) P147391 	3.2 V, 1.5 Ah	OVA48902 OVA48903 OVA48905 OVA48906	**OVA51154**
	6.4 V, 1.5 Ah	OVA48904 OVA48900 OVA48901 OVA48907	**OVA51157**

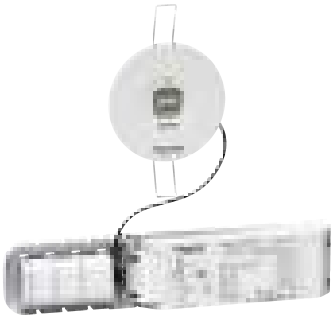
Accessory catalogue numbers

		Compatibility	Dimensions (mm) height x width x depth	Cat. no.
Vetrosignal kit Visibility 20 m	P147331 	False ceiling - escape route	115 x 210	**OVA53180**
with ISO pictograms (set of 5) right, left, down, up, opaline	P147024  P146885 			
Pictogram screen kit 45°	P147606  P147607 	False ceiling - escape route	115 x 210	**OVA53183**
Adaptator ring	P147577 	False ceiling	Ø 140	**OVA53181**
Smart TBS 150	P148938 	All models (for 150 luminaires)	90 x 85 x 68 5 mod. of 18mm	**OVA53161**
Smart TBS 250	P148939 	All models (for 250 luminaires)	90 x 85 x 68 5 mod. of 18mm	**OVA53162**

Smartbeam

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

P147581



Recessed version - IP42

P147334

Surface version - IP65

P147331

Recessed version with Vetrosignal kit accessory

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 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)
  - 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.

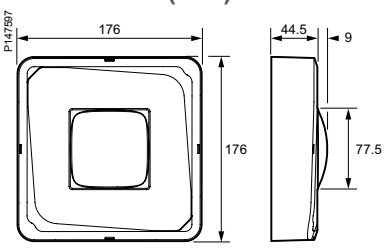
(*) Typical environment temperature: 25°C.

Accessories

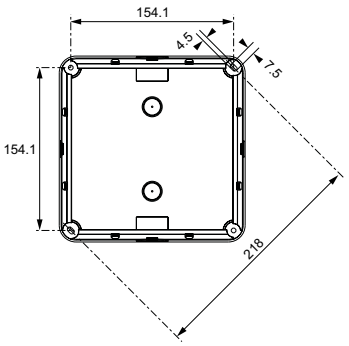
- **Vetrosignal kit**: includes an external adaptor (as 90 mm adaptor ring) with fixing clips for the panel and a set of ISO pictograms (set of 5) right, left, down, up, opaline
- **Pictogram screen kit**: set of 45° ISO pictograms for Vetrosignal (set of 4) right/down, left/down, right/up, left/up
-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

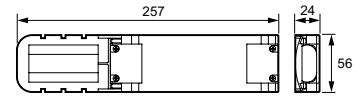
Dimensions(mm)

P147597

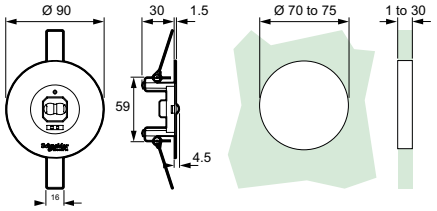


Surface version

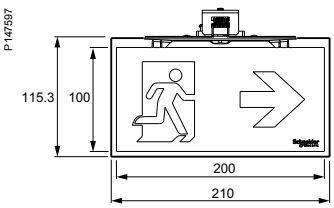


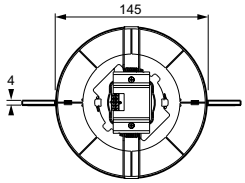


Recessed version



P147597

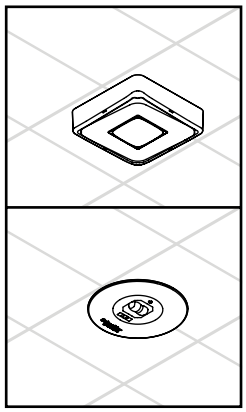




Recessed version with Vetrosignal kit accessory

Installation methods

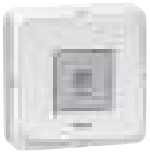
P147585



Surface mounting
(installation without accessories)

False ceiling
(installation without accessories)

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)		
False ceiling	**Escape route**									
P147334 	IP42 IK04	1.5	200	200	3.9/ 8.3	0.43/ 3.5	3.2	1.5	0.292	**OVA48920**
		3	200	200	4.6/ 8.7	0.52/ 3.5	6.4	1.5	0.335	**OVA48922**
	Open area									
	IP42 IK04	1.5	220	220	3.9/ 8.3	0.43/ 3.5	3.2	1.5	0.292	**OVA48921**
		3	220	220	4.6/ 8.7	0.52/ 3.5	6.4	1.5	0.335	**OVA48923**
	5 lux									
	IP42 IK04	3	210	210	4.6/ 8.7	0.52/ 3.5	6.4	1.5	0.305	**OVA48928**
P147333 Surface 	**Escape route**									
	IP65 IK07	1.5	190	190	3.9/ 8.3	0.43/ 3.5	3.2	1.5	0.479	**OVA48924**
		3	190	190	4.6/ 8.7	0.52/ 3.5	6.4	1.5	0.524	**OVA48926**
	Open area									
	IP65 IK07	1.5	220	220	3.9/ 8.3	0.43/ 3.5	3.2	1.5	0.479	**OVA48925**
		3	220	220	4.6/ 8.7	0.52/ 3.5	6.4	1.5	0.524	**OVA48927**
	High ceiling - Escape route									
	IP65 IK07	3	390	390	5.5/ 13.1	0.54/ 5.75	6.4	3.2	0.620	**OVA48930**
	High ceiling - Open area									
	IP65 IK07	3	390	390	5.5/ 13.1	0.54/ 5.75	6.4	3.2	0.620	**OVA48929**
	5 lux									
	IP65 IK07	3	200	200	4.6/ 8.7	0.52/ 3.5	6.4	1.5	0.525	**OVA48931**

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

Spare parts catalogue numbers

	Description	Compatibility	Cat. no.
Batteries (LiFePO4) P147391 	3.2 V, 1.5 Ah	OVA48920 OVA48921 OVA48924 OVA48925	**OVA51154**
	6.4 V, 1.5 Ah	OVA48922 OVA48923 OVA48926 OVA48927 OVA48928 OVA48931	**OVA51157**
	6.4 V, 3.2 Ah	OVA48929 OVA48930	**OVA51158**

Accessory catalogue numbers

		Compatibility	Dimensions (mm) height x width x depth	Cat. no.
Vetrosignal kit Visibility 20 m	P147331 	False ceiling - escape route	115 x 210	**OVA53180**
with ISO pictograms (set of 5) right, left, down, up, opaline	P147024  P146885 			
Pictogram screen kit 45°	P147606  P147607 	False ceiling - escape route	115 x 210	**OVA53183**
Adaptator ring	P147577 	False ceiling	Ø 140	**OVA53181**
Smart TBS 150	P148838 	All models (for 150 luminaires)	90 x 85 x 68 5 mod. of 18mm	**OVA53161**
Smart TBS 250	P148839 	All models (for 250 luminaires)	90 x 85 x 68 5 mod. of 18mm	**OVA53162**

Smartduo
Activa version IP65, IK07

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 longuer life span.

7. Adjustable beams

P148374

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

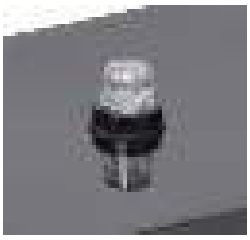
8. Batteries

P148337

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

9 Stand by light

P106301



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

1. Reliable installation

P148344

P148369

Easy to connect and fit.

2. Easy to maintain

P148367

P148338

Easy to maintain and replace parts.

3. Extremely robust to provide a high level of protection

P148341

P148372

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

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

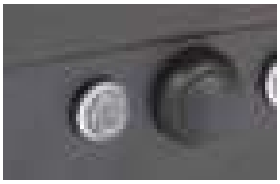
4. Push button

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

P148276

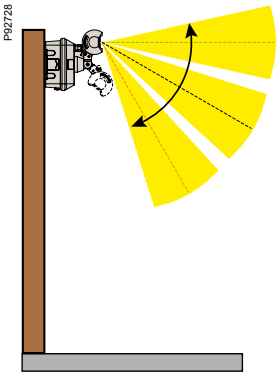
Technical Specifications

- 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 luminaires
- 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.

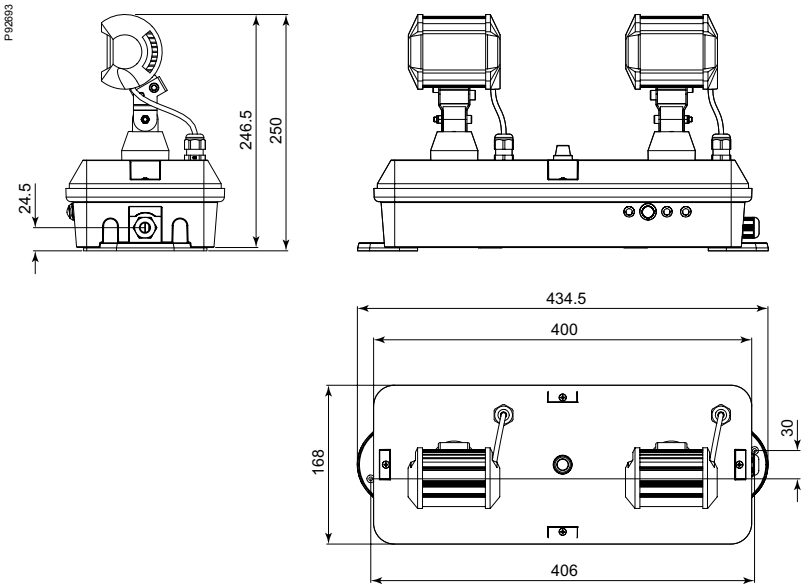
P92728



Possible installation with vertical and horizontal regulation.

Dimensions (mm)

P92693



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

P148336

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)	
	Non-maintained								
P148276 	IP65, IK07	1	2400	-	11	1.5	12.8	6.4	**OVA48020**

Accessory catalogue numbers

	Compatibility	Dimensions (mm) height x width x depth	Cat. no.
Smart TBS 150 P148938 	OVA48020 (for 150 luminaires)	90 x 85 x 68 5 mod. of 18mm	**OVA53161**
Smart TBS 250 P148939 	OVA48020 (for 250 luminaires)	90 x 85 x 68 5 mod. of 18mm	**OVA53162**

Spare parts catalogue numbers

	Description	Compatibility	Dimensions (mm) height x width x depth	Cat. no.
Batteries (LiFePO4) P148337 	12.8 V, 6.4 Ah	OVA48020	-	**OVA51169**

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.


P93013


P110251-25


P101291


P106311-17

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"

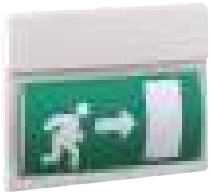
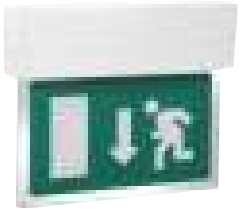
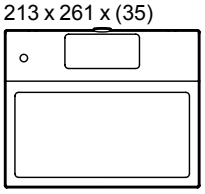
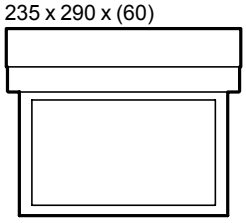

P93007

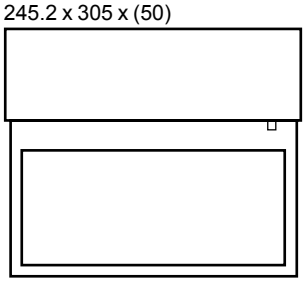
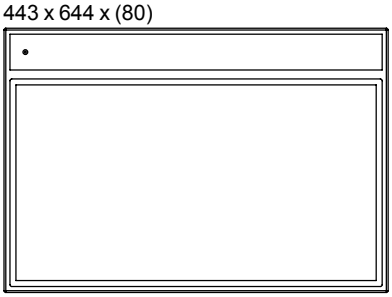
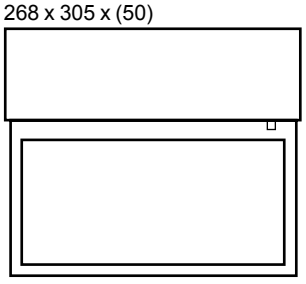
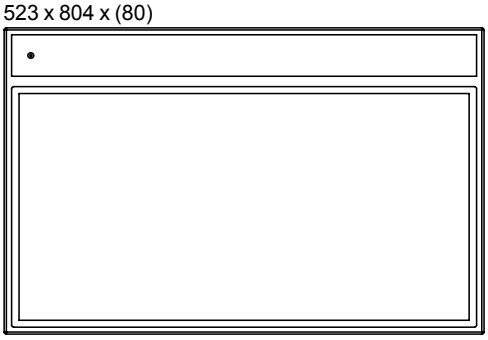
Teleur remote control: small gesture, big benefits!

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).

Range overview

	Astro Guida	Quick Signal
	P93012 	P93160 
Technical specifications		
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
Installation methods		
Wall	■	■
Ceiling	■	■
False ceiling		■
Hanging	■	■
Electrified track	■	
Flag type bracket	■	■
Dimensions (mm) - h x w x (d)		
The drawings are scale drawings	213 x 261 x (35) P99874 	235 x 290 x (60) P99875 
Page	**30**	**34**

	Lys	Maxi Slim
	P122225 	P98689 
	■	
	IP42, IK07	IP40
	25 m or 30 m	60 or 80 m
	LED (80,000 h)	Cold cathode (40,000 h)
	4.49 VA	15 VA
	■	■
	■	■
	■	
		■
	■	
	Visibility: 25 m 245.2 x 305 x (50) P107202 	Visibility: 60 m 443 x 644 x (80) P99876 
	Visibility: 30 m 268 x 305 x (50) P122420 	Visibility: 80 m 523 x 804 x (80) P106364 
	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.

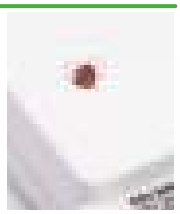
Strong, versatile installation.

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

2. Self-diagnosis

P106366

P106367



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

P106246

1. Practical installation

P106239

P106240

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

P106241

Removable cover for easy connection.

P106242

P106243

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

P93012

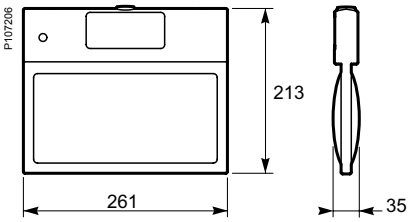
CE

Technical specifications

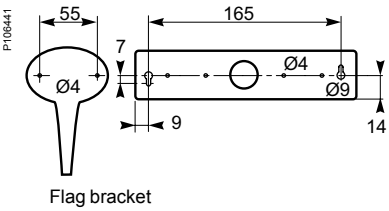
- Self-diagnosis version (Activa)
- Cold cathode light source (working life of 40,000 h)
- Ni-Cd battery for high efficiency applications
- Long life, no maintenance needed
- Compliant with EN 60598-2-22 standard
- Visibility distance of the sign in compliance with the new EN 1838 standard: 24 m
- Emergency 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)

P107206



P106441



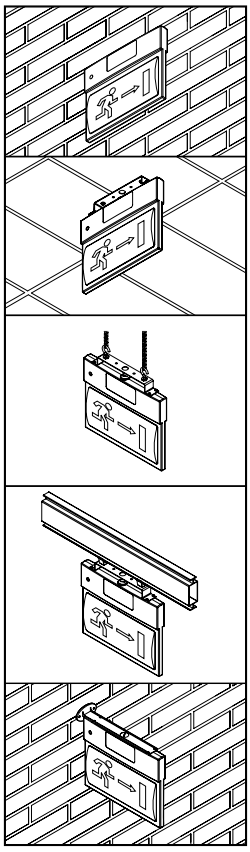
Flag bracket

P93013

Astro Guida with accessories included.

Installation methods

P92993



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)

P92992

Installation with flag type bracket (included).

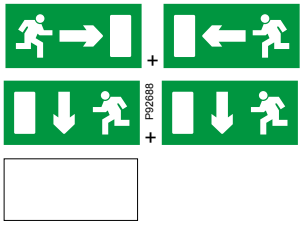
Emergency exit sign catalogue numbers

Astro Guida screens included	Visibility (m)	Autonomy (h)	Consumption (VA)	Ni-Cd battery		Weight (kg)	Cat. no.
P93012 	**Self-diagnosis version**						
	Maintained						
	24	1	10	4.8 V	0.6 Ah	0.760	**OVA38466E**
	Standard version						
	Maintained						
	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.
Ceiling, hanging and electrified track kit	P98730 	All models		**OVA50356E**
Protective grid IK10	P98731 	All models	248 x 296 x 53	**OVA50357E**
Teleur remote control	P93007 	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**
For 1 or 2 sides signalling				
P92690 			116 x 229	**OVA50281E**

Spare parts catalogue numbers

		Cat. no.
Flag bracket	P92995 	**OVA50355E**
Pictogram sticker set (5 pictograms for all single- and double-sided versions)		**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

P106305

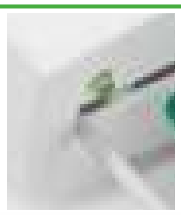
Wiring inlet box for easy connection of the removable connector.

P106306

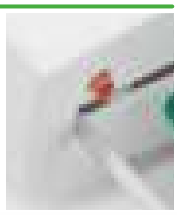
Wiring inlet box for easy connection of the removable connector.

2. Self-diagnosis

P106368



P106369



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

P106311

3. Clip-on pictograms

P106307

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

4. Easy maintenance

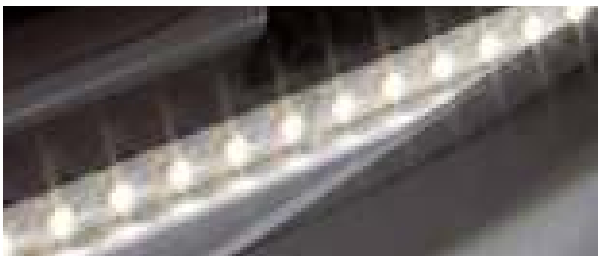
P106310

P106309

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

5. LED lighting

P106308



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

P106305

Removable connector with identification to prevent incorrect connection.

Quick Signal (cont.)

Self-diagnosis version (Activa), IP40, IK07

Standard version IP40, IK07

P93160

CE

Technical specifications

- Self-diagnosis version (Activa)
- Long lasting LED light source

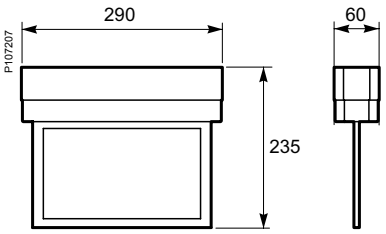
(> 10 years expected in typical ambient temperature* condition)

- 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 ⧈
- 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.

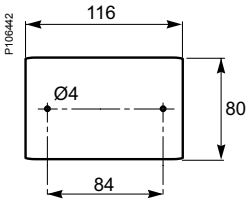
* Typical Temp: 25°C.

Dimensions (mm)

P107207



P106442



Flag bracket

P92996

P93010

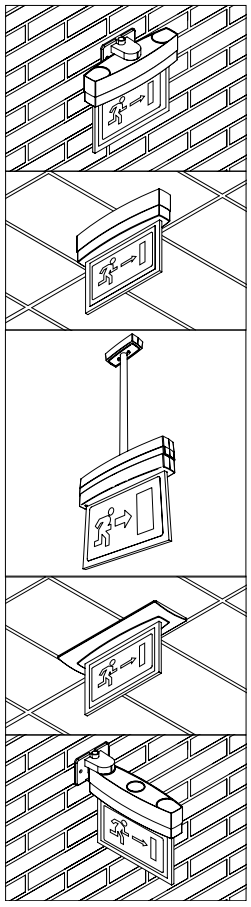
Quick fix installation with wall / flag type bracket (included).

P110252

Installation with false ceiling mounting kit (not included).

Installation methods

P106342



Wall
(installation with accessories included)

Ceiling
(installation without accessories)

Hanging
(installation with kit not included)

False ceiling
(installation with kit not included)

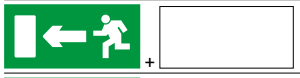
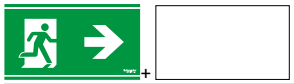
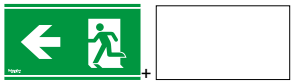
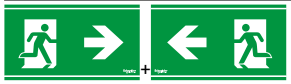
Flag type bracket
(installation with accessories included)

Emergency exit sign catalogue numbers

P101292

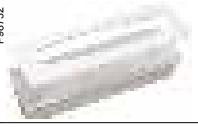
Quick Signal screens not included	Visibility (m)	Autonomy (h)	Consumption (VA)	Ni-Cd battery		Weight (kg)	Cat. no.
Self-diagnosis version							
Maintained							
	28	1	4.1	4.8 V	0.6 Ah	0.80	**OVA38506E**
Standard version							
Maintained							
	28	1	4.1	4.8 V	0.6 Ah	0.80	**OVA38504E**
		3	4.1	4.8 V	0.6 Ah	0.90	**OVA38505E**

Exit sign screen catalogue numbers

	Dimensions (mm) height x width	Cat. no.
STD for 1 side signalling		
P926871 	135 x 232	**OVA50319E**
P926881 	135 x 232	**OVA50320E**
P926891 	135 x 232	**OVA50321E**
STD for 2 sides signalling		
P926871  P926881	135 x 232	**OVA50322E**
P926891  P926881	135 x 232	**OVA50323E**
ISO for 1 side signalling		
P147029 	135 x 232	**OVA53124**
P147030 	135 x 232	**OVA53125**
ISO for 1 or 2 sides signalling		
P146885 	135 x 232	**OVA53126**
P147024 	135 x 232	**OVA53127**
P147025 	135 x 232	**OVA53128**

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.
False ceiling mounting kit	 P98732	All models	97 x 324 x 85	**OVA50318E**
Hanging kit	 P101293	All models		**OVA50314E**
Teleur remote control	 P93007	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**

Spare parts catalogue numbers

		Description	Compatibility	Cat. no.
Batteries (Ni-Cd)	 P101302	4.8 V, 0.6 Ah	OVA38504E, OVA38506E, OVA38505E	**OVA51014E**
		4.8 V, 1.5 Ah	All references produced before 2012	**OVA51015E**
Wall / flag type bracket	 P101295		All models	**OVA50316E**

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

P122225

Lys-W, wall mounted

CE

P122227

Lys-FL, flag mounted

CE

P122226

Lys-F, flush mounted

CE

P122228

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

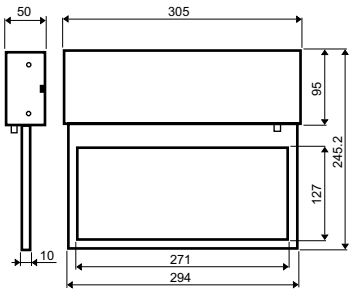
> These products are sold without screen.
Please choose a screen to get a complete product.

Dimensions (mm)

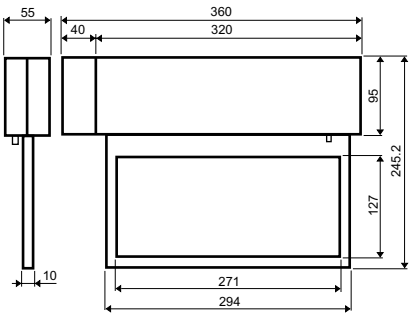
Visibility : 25 m

P107204

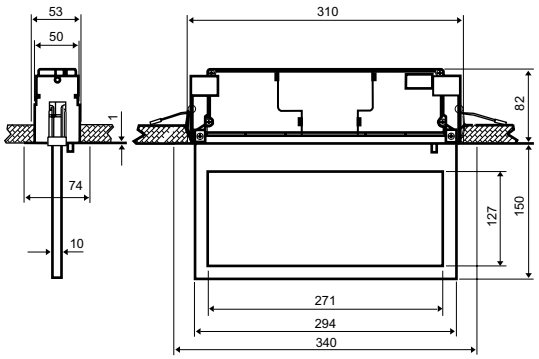
Lys-W



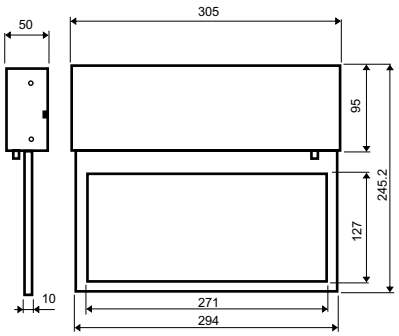
Lys-FL



Lys-F



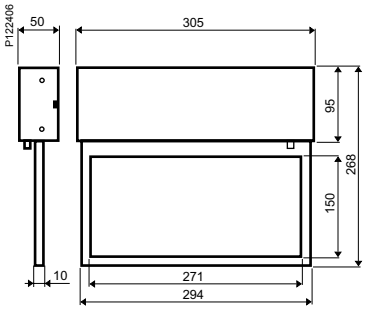
Lys-C



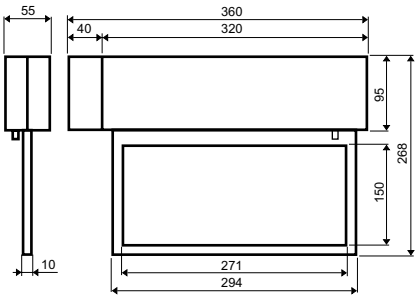
Dimensions (mm) (cont.)

Visibility : 30 m

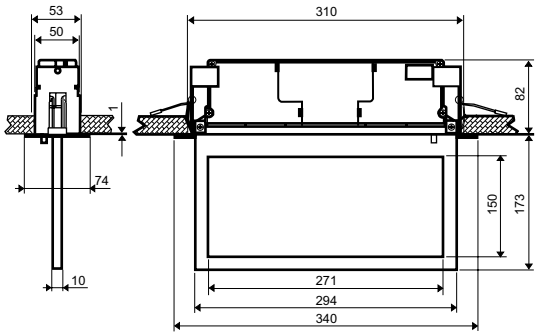
Lys-W



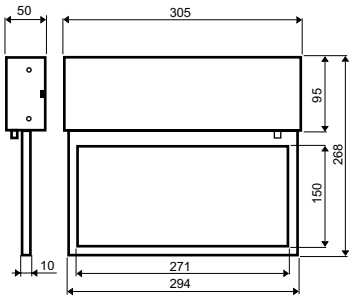
Lys-FL



Lys-F



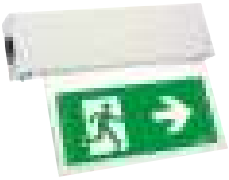
Lys-C



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)	Consumption (W)	Ni-Cd battery		Weight (kg)	Cat. no.
Lys-W	**Maintained / non-maintained** (depending on the wiring)						
P122225 	1	4.49	2.55	4.8 V	1.5 Ah	1.3	**OVA38083**
	3	4.49	2.55	4.8 V	1.5 Ah	1.3	**OVA38084**
Lys-FL	**Maintained / non-maintained** (depending on the wiring)						
P122227 	1	4.49	2.55	4.8 V	1.5 Ah	1.6	**OVA38081**
	3	4.49	2.55	4.8 V	1.5 Ah	1.6	**OVA38082**
Lys-F	**Maintained / non-maintained** (depending on the wiring)						
P122226 	1	4.49	2.55	4.8 V	1.5 Ah	1.3	**OVA38079**
	3	4.49	2.55	4.8 V	1.5 Ah	1.3	**OVA38080**
Lys-C	**Maintained / non-maintained** (depending on the wiring)						
P122228 	1	4.49	2.55	4.8 V	1.5 Ah	1.3	**OVA38077**
	3	4.49	2.55	4.8 V	1.5 Ah	1.3	**OVA38078**

Screens for all Lys versions	Visibility (m)	Dimensions (mm) (H x W)	Cat. no.
ISO for 1 side signalling			
P122223 	25	127 x 271	**OVA53048**
	30	150 x 271	**OVA53153**
P122222 	25	127 x 271	**OVA53047**
	30	150 x 271	**OVA53152**
P122221 	25	127 x 271	**OVA53046**
	30	150 x 271	**OVA53151**
ISO for 2 sides signalling			
	25	127 x 271	**OVA53050**
	30	150 x 271	**OVA53155**
	25	127 x 271	**OVA53049**
	30	150 x 271	**OVA53154**

Accessory catalogue numbers

		Compatibility	Dimensions (mm) height x width x depth	Cat. no.
Teleur remote control	P93007 	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**

Spare parts catalogue numbers

		Description	Compatibility	Cat. no.
Batteries (Ni-Cd)	P1118929 	4.8 V, 1.6 Ah	OVA38077, OVA38079, OVA38081, OVA38083	**OVA51050**
		4.8 V, 2.2 Ah	OVA38078, OVA38080, OVA38082, OVA38084	**OVA51051**

Maxi Slim
Standard version IP40, 60/80 m visibility

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.

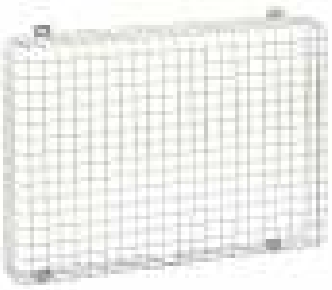
3. Easy to adapt

P101277

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

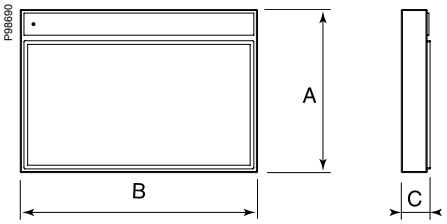
CE

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)

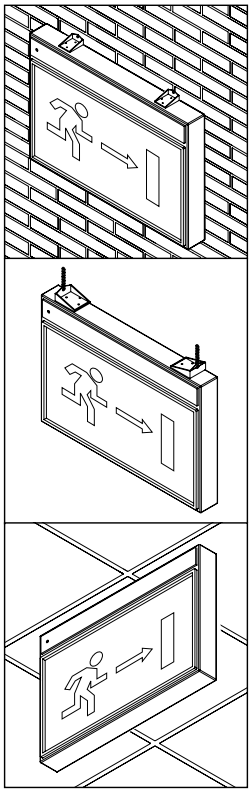
P98690



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

Installation methods

P98691nb



Wall
(installation without accessories)

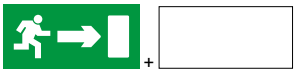
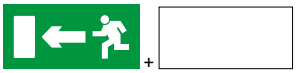
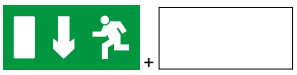
Hanging
(chain not included)

Ceiling
(installation without accessories)

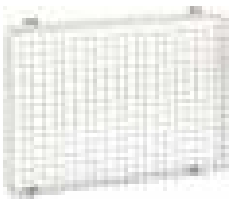
Emergency exit sign catalogue numbers

Maxi Slim screens not included	Model	Visibility (m)	Autonomy (h)	Consumption (VA)	Ni-Cd battery		Weight (kg)	Cat. no.
P101277 	**Maintained**							
	M60	60	1	15	6.0 V	1.5 Ah	4.290	**OVA38072E**
			3	15	6.0 V	1.5 Ah	4.740	**OVA38073E**
	M80	80	1	15	6.0 V	4.0 Ah	5.150	**OVA38074E**
			3	15	6.0 V	4.0 Ah	5.600	**OVA38075E**

Exit sign screen catalogue numbers

	Cat. no. for M60	Cat. no. for M80
For 1 side signalling		
P92687 	**OVA53000E**	**OVA53005E**
P92688 	**OVA53001E**	**OVA53006E**
P92689 	**OVA53002E**	**OVA53007E**
For 2 sides signalling		
	**OVA53003E**	**OVA53008E**
	**OVA53004E**	**OVA53009E**

Accessory catalogue numbers

	Compatibility	Dimensions (mm) height x width x depth	Cat. no.
Protective grids P98692 	M60	550 x 680 x 100	**OVA53010E**
	M80	630 x 840 x 100	**OVA53011E**
Teleur remote control P93007 	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**

Spare parts catalogue numbers

	Description	Compatibility	Cat. no.
Fluorescent tubes P101296 	6.5 W	OVA38072E, OVA38073E	**OVA51034E**
	7.5 W	OVA38074E, OVA38075E	**OVA51035E**
Ni-Cd batteries P101297 	6.0 V, 1.5 Ah	OVA38072E, OVA38073E	**OVA51019E**
	6.0 V, 4.0 Ah	OVA38074E, OVA38075E	**OVA51039E**

P102136-110

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.

P90841-40

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.

P101298-23

P101299-20

Range overview

		Evx Ferro	Evx Power T5 AC
		P93022 	P93023 
Technical specifications			
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		■	■
Page		**52**	**54**

Warning: trained personnel must be used to install these products

Evx Ferro
Standard version

P93022

Technical specifications

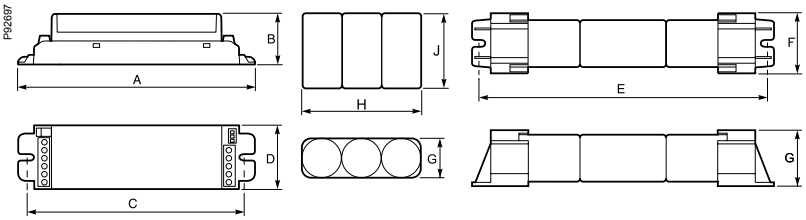
- Warning: Trained personnel must be used to install these products
- Suitable for fluorescent tubes up to 58 W
- Compatible only with electromagnetic ballasts
- Screw terminals
- Compliant with EN 61347-2-7 standard
- Can be inhibited with rest mode via remote control
- Fire behaviour (EN 60695-2-10), 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 (1) and duration according to the conversion kit			
Socket	Lamp	OVA43101E or OVA43102E	OVA43103E or OVA43104E	OVA43105E	OVA43106E
G5	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
G13	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
G10q	22 W	-	13% / 2 h	-	-
	32 W	-	12% / 1 h 30	-	10% / 1 h 30
	40 W	-	-	-	10% / 1 h
GR10q	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
G24q	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
Gx24q	32 W	-	10% / 1 h 30	-	11% / 2 h
2G7	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
2G10	36 W	-	14% / 1 h 30	-	10% / 2 h
2G11	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.
	Maintained and non-maintained					
 P93022	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.
Batteries Ni-Cd	 P101301	3.6 V 2 Ah	in line	OVA43102E, OVA43105E	**OVA51026E**
			side by side	OVA43101E	**OVA51027E**
		3.6 V 4 Ah	in line	OVA43104E, OVA43106E	**OVA51028E**
			side by side	OVA43103E	**OVA51029E**
LED	 P101300			All models	**OVA51033E**

Accessory catalogue numbers

		Compatibility	Dimensions (mm) height x width x depth	Cat. no.
Teleur remote control	 P93007	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**

Evx Power T5 AC
Standard version

P93023

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

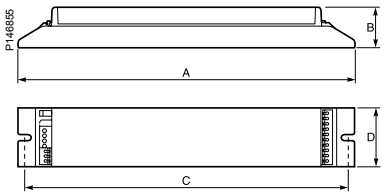
Tubes			% emergency flux and duration according to the conversion kit		
Socket	Lamp		OVA43114	OVA43115	OVA43116
G5	14 W	FHO T5	8.4% / 4 h	-	-
	24 W	FHO T5	-	-	9.0% / 3.5 h
	35 W	FHE T5	6.3% / 3 h	-	-
	80 W	FHO T5	-	6.7% / 1 h	3.9% / 3 h
G13	58 W		-	5.0% / 1.5 h	3.0% / 3.5 h
G24q-3	26 W		6.4% / 3.5 h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

P93024

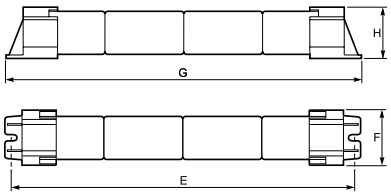
Quick-disconnect terminal strips.

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 and non-maintained				
P93023 	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.
Ni-Cd batteries	P101294 	6.0 V - 4.5 Ah	OVA43114E	**OVA51046E**
		6.0 V - 4.5 Ah	OVA43115E	
		6.0 V - 7.0 Ah	OVA43116E	**OVA51073**
LED	P101301 		All models	**OVA51033E**

Accessory catalogue numbers

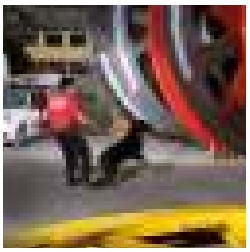
		Compatibility	Dimensions (mm) height x width x depth	Cat. no.
Teleur remote control	P93007 	All models (for 100 luminaires)	102 x 77 x 81 4.5 mod. of 18 mm	**OVA50325E**
		All models (for 500 luminaires)	90 x 71 x 60 4 mod. of 18 mm	**OVA50326E**

Presentation

More than a simple portable lamp!

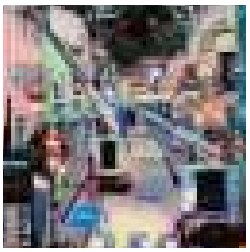
This generation of lamps **brings immediate and efficient emergency response** in many conditions: security of buildings, breakdown service, search and rescue, police or fire fighters intervention…

P101310-22



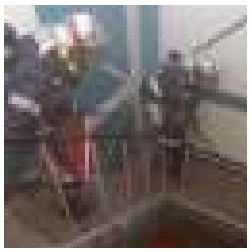
Guarding, security applications, etc.

P101309-15



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

P101308-40



Police, fire fighters, etc.

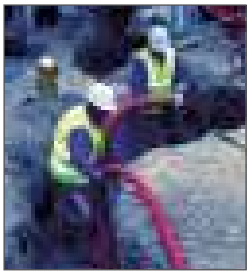
Emergency solution

- 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

P101313-20

Emergency lighting function

Range overview

	Top 4	Toplux		Jodiolux
	 P93029	 P93031		 P93033
Technical specification				
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	10 W (halogen) 4 h 490 lux at 2 m	10 W (halogen) 4 h 1300 lux at 2 m
Rated power, autonomy and Illumination — auxiliary lamp	1.5 W (incandescent) 15 h 5 lux at 1 m	1.5 W (incandescent) 15 h 5 lux at 1 m	1.5 W (incandescent) 24 h 5 lux at 1 m	1.5 W (incandescent) 24 h 4 lux at 1 m
Consumption	10 VA	10 VA		6.5 VA
Battery	Pb	Pb	Ni-Cd	Ni-Cd
Page	**60**	**61**		**62**

Range presentation

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).

P106262

Jodiolux

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

Top 4

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

P106264

P106266

4. Double indication

P106263

P106265

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.

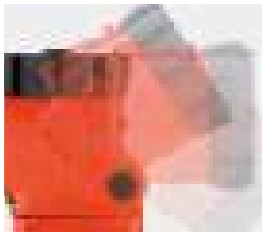
5. Ergonomic

P106261

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

6. Directable

P106267



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

7. Variety of tones

P106260

Different coloured filters included with each model.

Toplux

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

P93036

Anti-fog diffuser (Toplux and Top 4)

P106268

Top 4
IP40

P93029

CE

P93030

Lamp and 4 colour filters (included).

Presentation

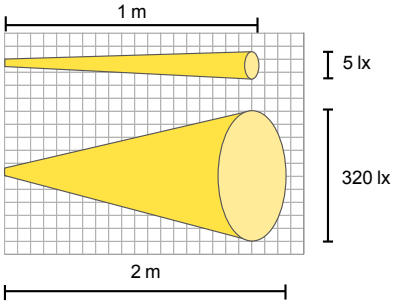
- Top 4 is an emergency spotlight with rechargeable lead batteries and 2 lamps: one 5.5 W xenon lamp and one incandescent 1.5 W lamp.
- Ideal for night watches, rescue and similar purposes. Top 4 can also be used as an emergency lamp, thanks to the diffuser-signaller with flashing function on both lamps.
- 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

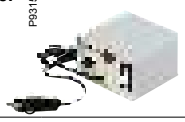
P93035



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 - 1.5 h	10	6 V	4 Ah	1.9	**OVA41317E**

Accessory catalogue numbers

		Cat. no.
Lamp supports P93163 	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.	**OVA50360E**
Diffuser signaller P93036 	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.	**OVA50315E**
Charger 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.	**OVA50358E**

Spare parts catalogue numbers

		Cat. no.
Battery P101304 	6V - 4 Ah - Pb	**OVA51023E**
Lamps P101307 	xenon - 6 V - 0.9 A - E10	**OVA51001E**
P101305 	6V - 1.5 W	**OVA51000E**

Toplux
IP55

P93031

CE

P93032

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

Presentation

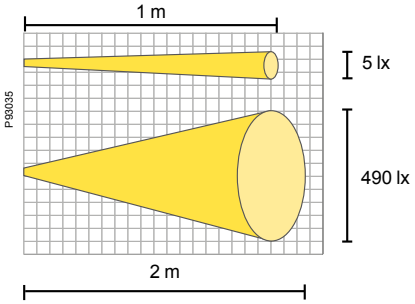
- Toplux is a professional rechargeable searchlight resistant to heavy rain (IP55).
- Ideal for military, police, rescue and security applications. Toplux can also be used as an emergency lamp, thanks to the diffuser-signaller with flashing function on both lamps.
- It is fitted with two lamps: one powerful 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

P93035



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	**OVA41318E**
10 W - halogen - 4 h	1.5 W - incandescent - 24 h	10	Ni-Cd 6 V	7 Ah	2.4	**OVA41319E**

Spare parts catalogue numbers

		Cat. no.
Batteries P101304 	6 V - 4 Ah - Pb	**OVA51023E**
P101306 	6 V - 7 Ah - Ni-Cd	**OVA51036E**
Lamps P101289 	halogen - 6 V - 10 W	**OVA51002E**
P101305 	6 V - 1.5 W	**OVA51000E**

Accessory catalogue numbers

			Cat. no.
Lamp supports P93163 	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.		**OVA50360E**
Diffuser signaller P93036 	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.		**OVA50315E**
Charger 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.		**OVA50358E**

Jodiolux
IP65, IK07

P93033

CE

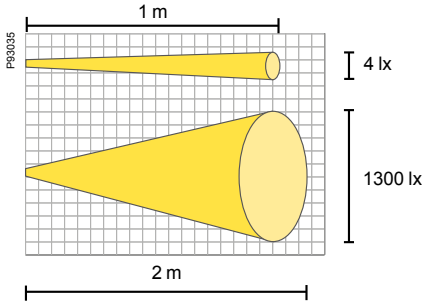
Presentation

- 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)

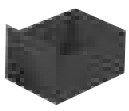
Diagram



Product catalogue numbers

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

Accessory catalogue numbers

			Cat. no.
Lamp supports	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.	**OVA50359E**
Charger	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.	**OVA50358E**

P93034

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

Spare parts catalogue numbers

			Cat. no.
Battery	P101306 	6 V - 7 Ah - Ni-Cd	**OVA51020E**
Lamps	P101289 	halogen - 6 V - 10 W	**OVA51002E**
	P101305 	6 V - 1.5 W	**OVA51000E**

P112772

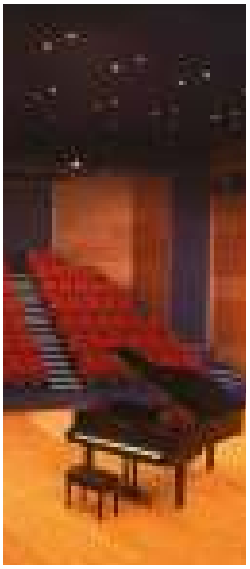
Presentation

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.

P101576



Gymnasium, auditorium, etc.

P101577

Shop, office, etc.

E003306-43

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

P93007

Teleur

CE

P93008

Teleur 500

CE

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	90
	width	77	71
	depth	81	60
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^2 with 100 luminaires	
Batteries		5 x 1.2 V, 500 mAh, Ni-Cd	

Product catalogue numbers

	Weight (kg)	Cat. no.
Teleur	0.30	**OVA50325E**
Teleur 500	0.30	**OVA50326E**

Technical guide

P148157

Contents

Lighting and safety signs
Introductory information

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

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

Safety lighting

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

Safety lighting for escape routes

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

Anti-panic lighting in extended areas

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

Emergency lighting and safety signs for escape routes
The emergency lighting and safety signs for escape routes are very important for all those who design emergency systems. Their suitable choice helps improve safety levels and allows emergency situations to be handled better.
Standard EN 1838 ("Lighting applications. Emergency lighting") gives some fundamental concepts concerning what is meant by emergency lighting for escape routes:
"The intention behind lighting escape routes is to allow safe exit by the occupants, providing them with sufficient visibility and directions on the escape route …"
The concept referred to above is very simple:
the safety signs and escape route lighting must be two separate things.

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

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

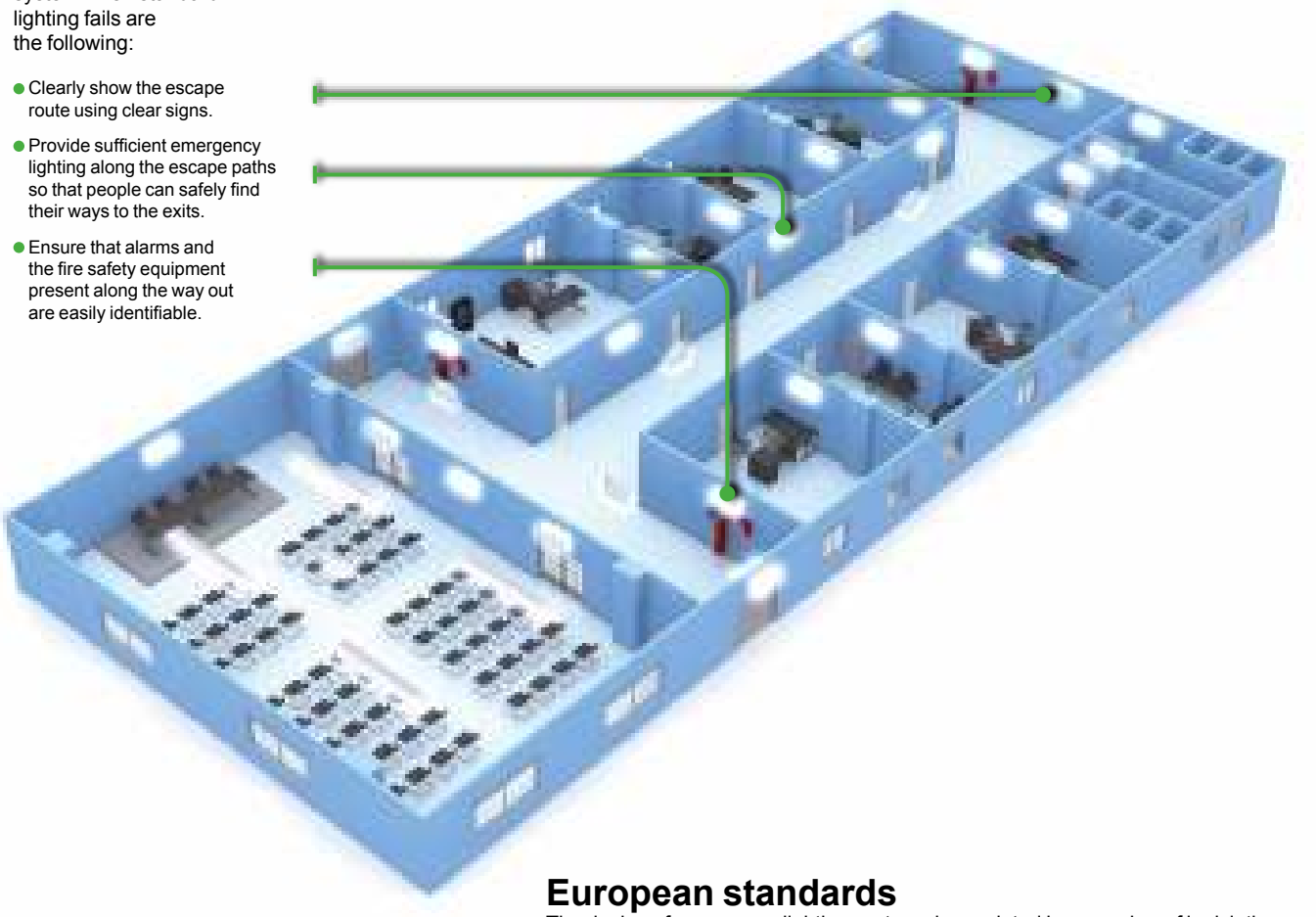
Operation
We should clarify the different types of emergency luminaires:
■ Non-maintained luminaires
□ The lamp will only switch on if there is a fault in the standard lighting
□ The lamp will be powered by the battery during failure
□ The battery will be automatically recharged when the mains power 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.

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".

Design (cont.)
The 5 main stages

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.

P122430

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

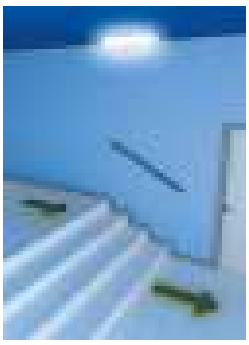
P122431

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

P122434

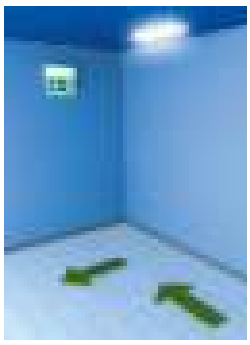
Near and immediately each outside exit.

P93482



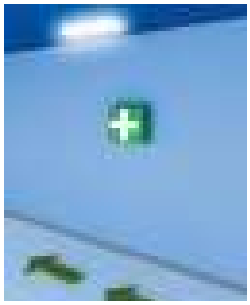
Near the stairs so that each step receives direct light.

P122432



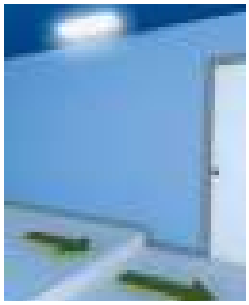
At each point where there is a change of direction.

P93484



Near every first-aid zone.

P93485

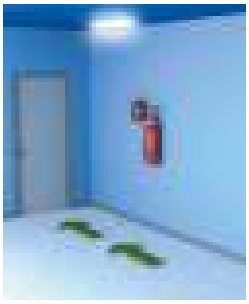


Near every change in floor level.

P93486

At every corridor intersection.

P93487

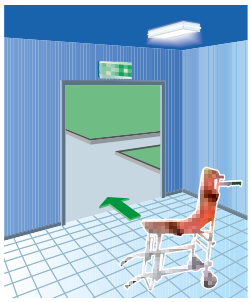


Near every fire safety device and call point.

P122426

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

P122427



Near escape equipment provided for the disabled.

P122428

P122429

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

P107058

P107057

P107059

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.

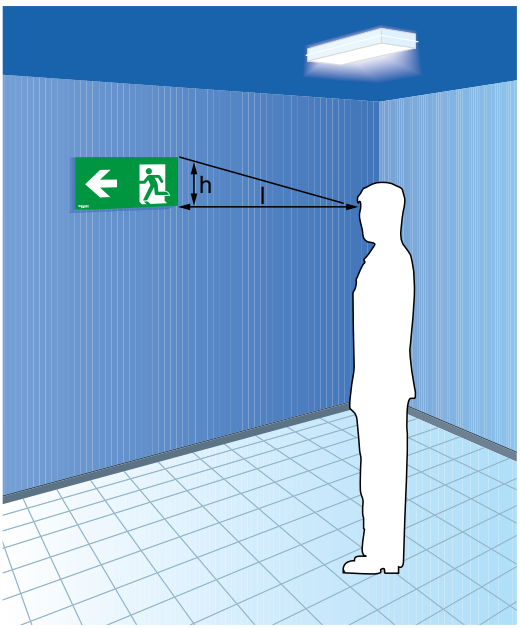
■ To this end, the regulations provide the following formula: l = z x h, where:

□ "l" is the maximum viewing distance

□ "h" is the height of the pictogram

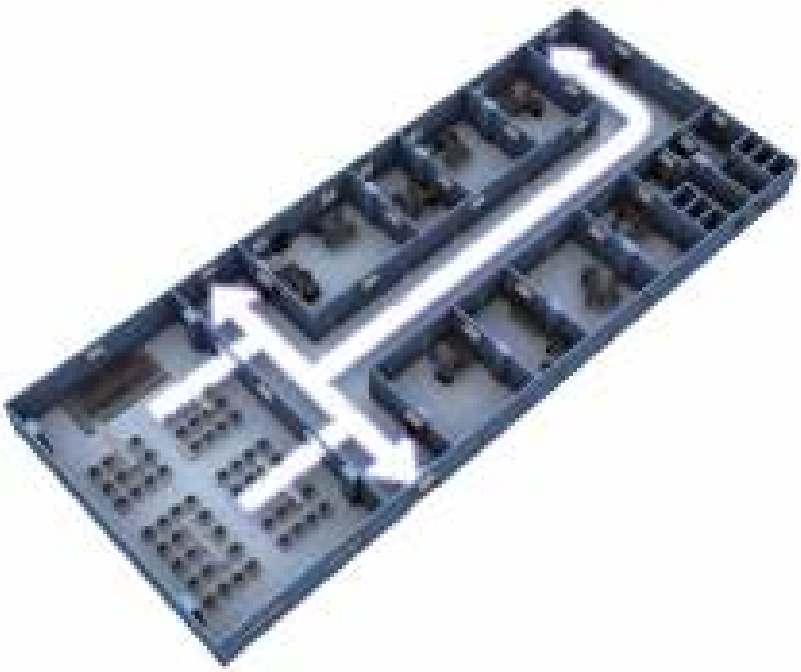
□ "z" = 100 for externally lighted signs
= 200 for internally lighted signs.

P122433



Typical example of measuring position.

P93162



Design (cont.)
The 5 main stages (cont.)

> Stage 3

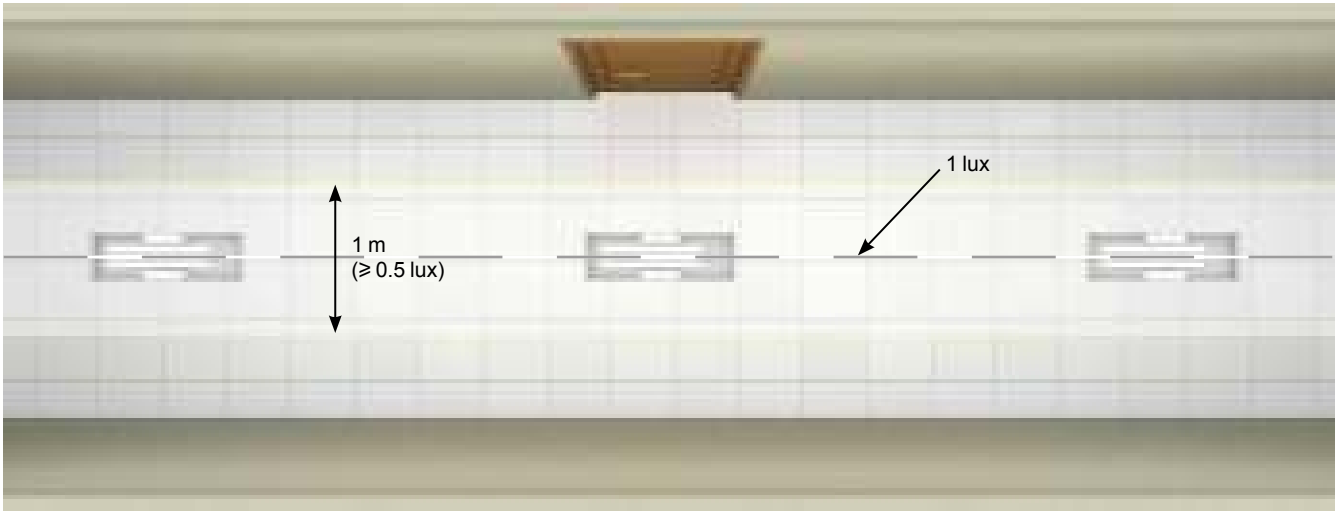
Safety lighting for escape routes

■ 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.

P93167



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

■ Two notes 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.

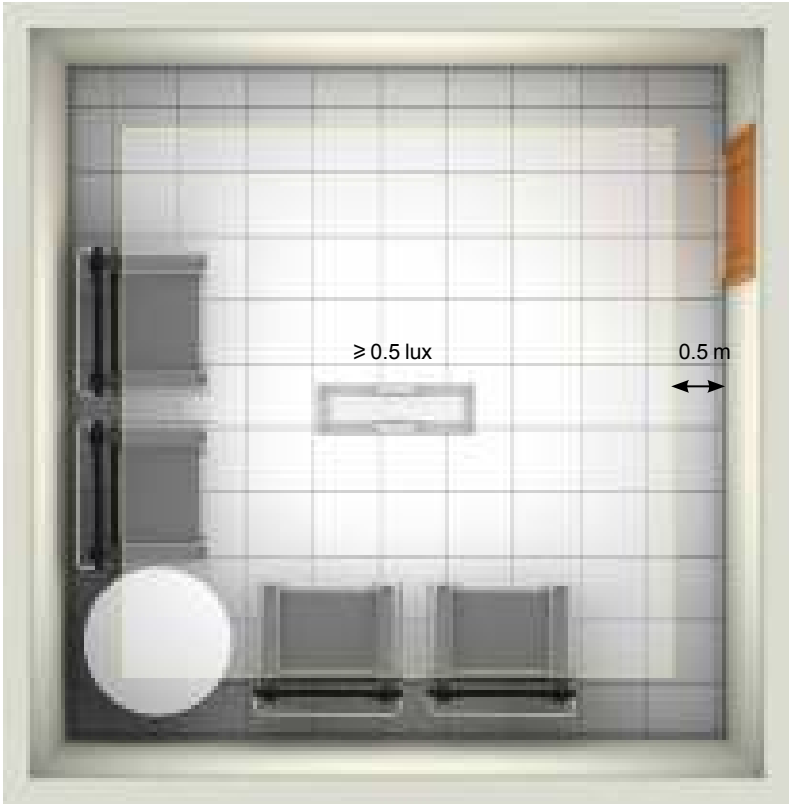
■ The other parameters are similar to those already referred to for lighting escape routes.

> 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.

P93168



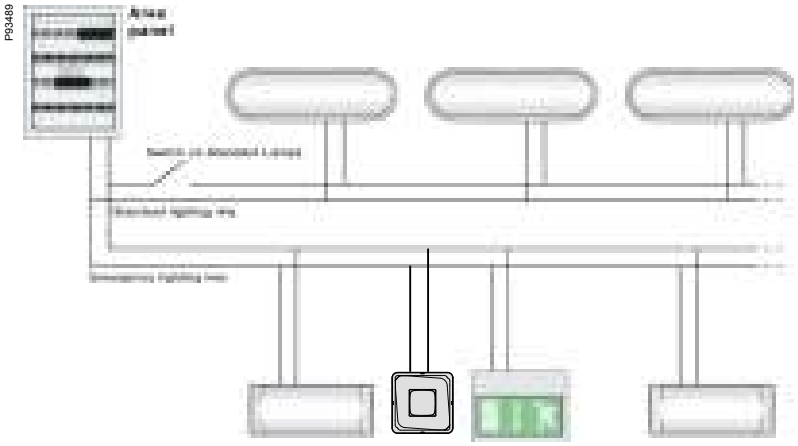
Light in anti-panic areas.

Information concerning emergency lighting system types

Standard self-contained 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.

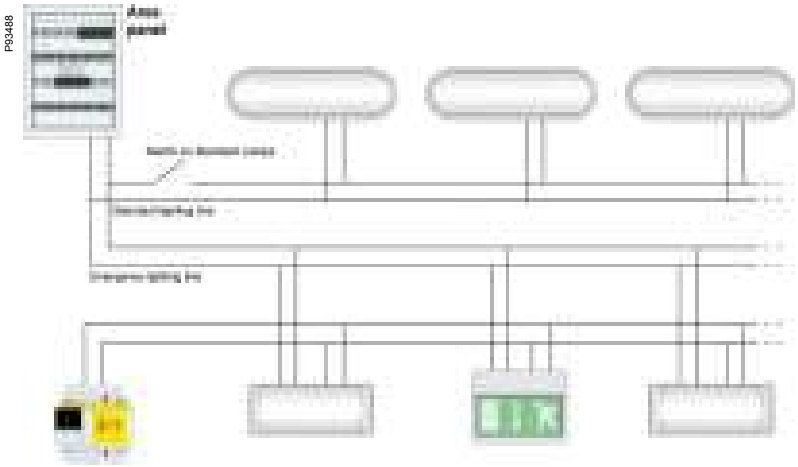
If necessary, you can set the system to implement a remote emergency inhibition. Depending to the model, you can use a Teleur remote control if the luminaire has a rest mode setting.



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.

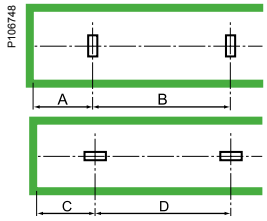


Connection diagram with emergency inhibition.

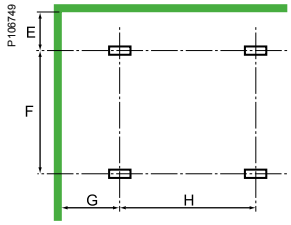
Design (cont.)
Emergency light fittings spacing table

Rilux (standard versions)

Escape routes



Open (Anti-Panic) areas



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C and G: Axial spacing to wall
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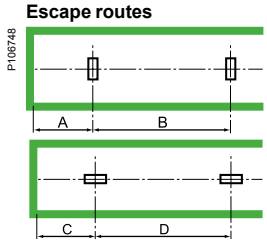
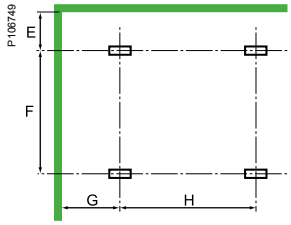
			A	B	C	D		E	F	G	H	
	(m)	(lux)	(m)				(m^2)	(m)				(m^2)
OVA37066E	2.00	5.17	2.36	6.04	2.18	5.74	15.47	2.70	6.36	2.53	5.87	27.07
	2.50	3.31	2.46	6.49	2.21	6.07	16.74	2.90	6.98	2.66	6.49	30.68
	3.00	2.30	2.34	6.81	2.12	6.24	16.07	2.97	7.64	2.74	7.13	34.81
	3.50	1.69	2.08	6.91	1.90	6.25	10.93	2.97	8.18	2.76	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
OVA37067E	2.00	6.80	2.51	6.56	2.45	6.25	19.04	2.82	6.08	2.75	5.78	33.32
OVA37068E	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
OVA37069E	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
OVA37070E	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
OVA37071E	2.00	5.73	2.36	6.13	2.28	5.90	17.26	2.67	6.28	2.60	5.98	27.07
OVA37072E	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)

Escape routes



Open (Anti-Panic) areas



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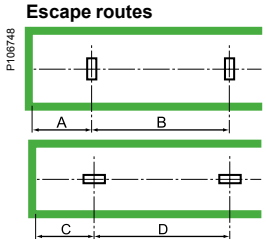
			A	**B**	**C**	**D**		**E**	**F**	**G**	**H**	
	(m)	(lux)	(m)				(m^2)	(m)				(m^2)
OVA37105	2.00	8.07	2.45	6.46	2.51	6.28	21.42	2.71	6.30	2.77	6.20	31.54
	2.50	5.17	2.73	6.52	2.70	6.76	24.64	2.88	6.69	2.86	6.13	37.19
	2.80	4.12	2.43	6.98	2.75	7.04	26.82	2.92	6.60	3.23	5.94	43.15
	3.50	2.64	2.64	7.77	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
OVA37106	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
OVA37107	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
	8.00	1.14	2.07	11.84	2.07	11.10	19.04	5.20	13.93	5.20	13.71	142.81
OVA37108	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

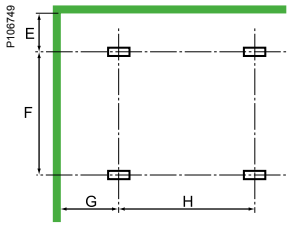
Design (cont.)
Emergency light fittings spacing table

Smartbeam (Standard and LED versions)

Escape routes



Open (Anti-Panic) areas



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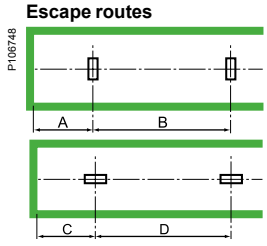
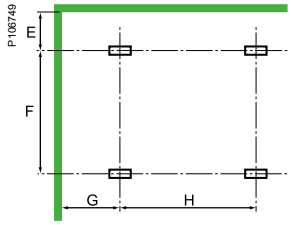
			A	**B**	**C**	**D**		**E**	**F**	**G**	**H**	
	(m)	(lux)	(m)				(m^2)	(m)				(m^2)
OVA48902 OVA48904 OVA48920 OVA48922	2.50	7.28	7.69	19.88	2.63	7.24	48.35	5.57	12.97	2.24	5.25	83.21
	3.00	5.06	7.62	21.10	2.56	7.41	48.87	6.08	14.50	2.38	5.69	90.37
	3.50	3.72	6.80	21.71	2.50	7.41	49.20	6.13	16.14	2.57	6.09	96.58
	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
OVA48900 OVA48903 OVA48921 OVA48923	2.50	8.11	3.78	9.97	3.78	9.87	40.91	4.01	11.19	4.01	10.95	76.24
	3.00	5.63	3.84	10.39	3.84	10.34	45.52	4.17	11.74	4.17	11.64	80.33
	3.50	4.14	3.82	10.68	3.82	10.63	47.38	4.27	12.32	4.27	12.22	87.47
	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
OVA48901 OVA48905 OVA48924 OVA48926	2.50	7.74	7.26	18.18	2.78	7.48	43.70	5.08	10.62	2.25	4.46	81.35
	3.00	5.38	7.33	19.63	2.75	7.75	45.52	5.47	11.81	2.36	4.84	89.03
	3.50	3.95	6.58	20.48	2.64	7.91	44.65	5.55	12.84	2.52	5.14	89.29
	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
OVA48906 OVA48907 OVA48925 OVA48927	2.50	8.89	3.81	9.76	3.74	9.92	45.09	4.00	10.78	3.94	10.41	76.70
	3.00	6.17	3.91	10.29	3.87	10.45	48.87	4.15	11.51	4.12	11.41	83.01
	3.50	4.53	3.96	10.68	3.92	10.84	47.38	4.29	12.17	4.26	12.07	92.03
	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

Escape routes



Open (Anti-Panic) areas



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

Catalogue number	Installation height for ceiling mounting	Lux level directly under luminaires	Escape routes 1 Lux min. Along centreline				Area covered to obtain more than 1 Lux on the ground	Open (Anti-Panic) areas 0.5 Lux min. Luminaires arranged in a regular array				Area covered to obtain 0.5 Lux on the ground
			A	B	C	D		E	F	G	H	
	(m)	(lux)	(m)				(m^2)	(m)				(m^2)
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	Diameter covered to obtain 5 Lux on the ground
	(m)	(m)
OVA48928 OVA48931	2.00	dia 3.5
	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

Design (cont.)
Connection principle for conversion kits

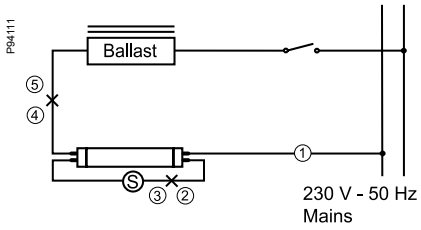
Evx Ferro

× Disconnect the wiring
○ Number of Evx Ferro standard contact

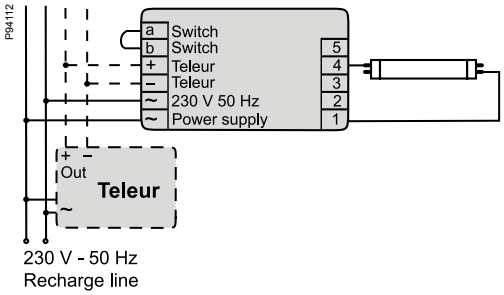
Before: internal diagram of the luminaire.
After: diagram with Evx Ferro connected.

Single tube, electromagnetic ballast

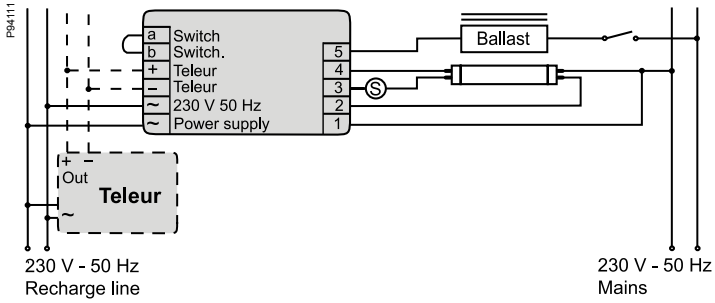
Before (in maintained mode)



Non-maintained mode

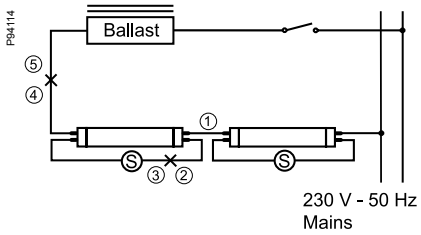


After, in maintained mode

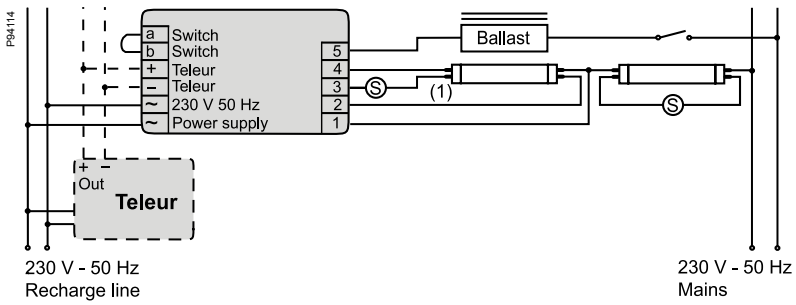


Double tube, electromagnetic ballast

Before (in maintained mode)



After, in maintained mode



(1) Only one lamp in emergency mode

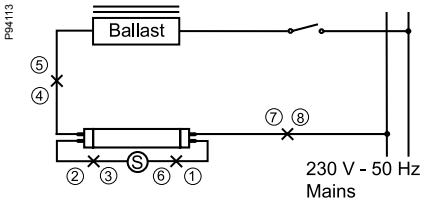
Evx Power T5 AC

× Disconnect the wiring
○ Number of Evx Power T5 AC standard contact

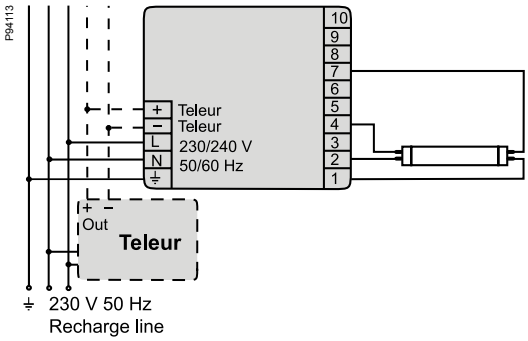
Before: internal diagram of the luminaire.
After: diagram with Evx connected.

Single tube, electromagnetic ballast

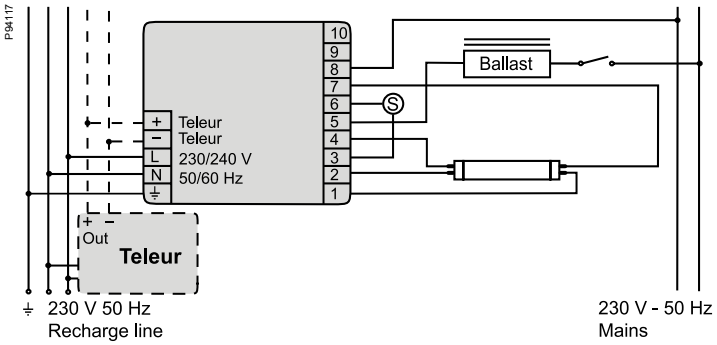
Before (in maintained mode)



Non-maintained mode

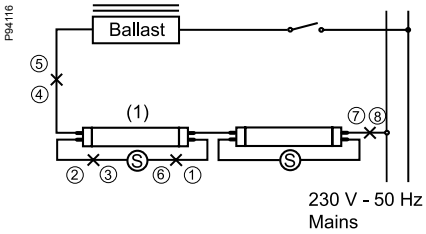


After, in maintained mode

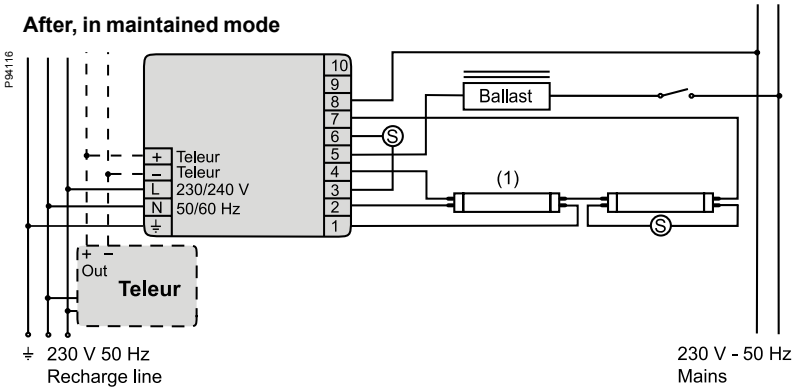


Double tube, electromagnetic ballast

Before (in maintained mode)



After, in maintained mode



(1) Only one lamp in emergency mode

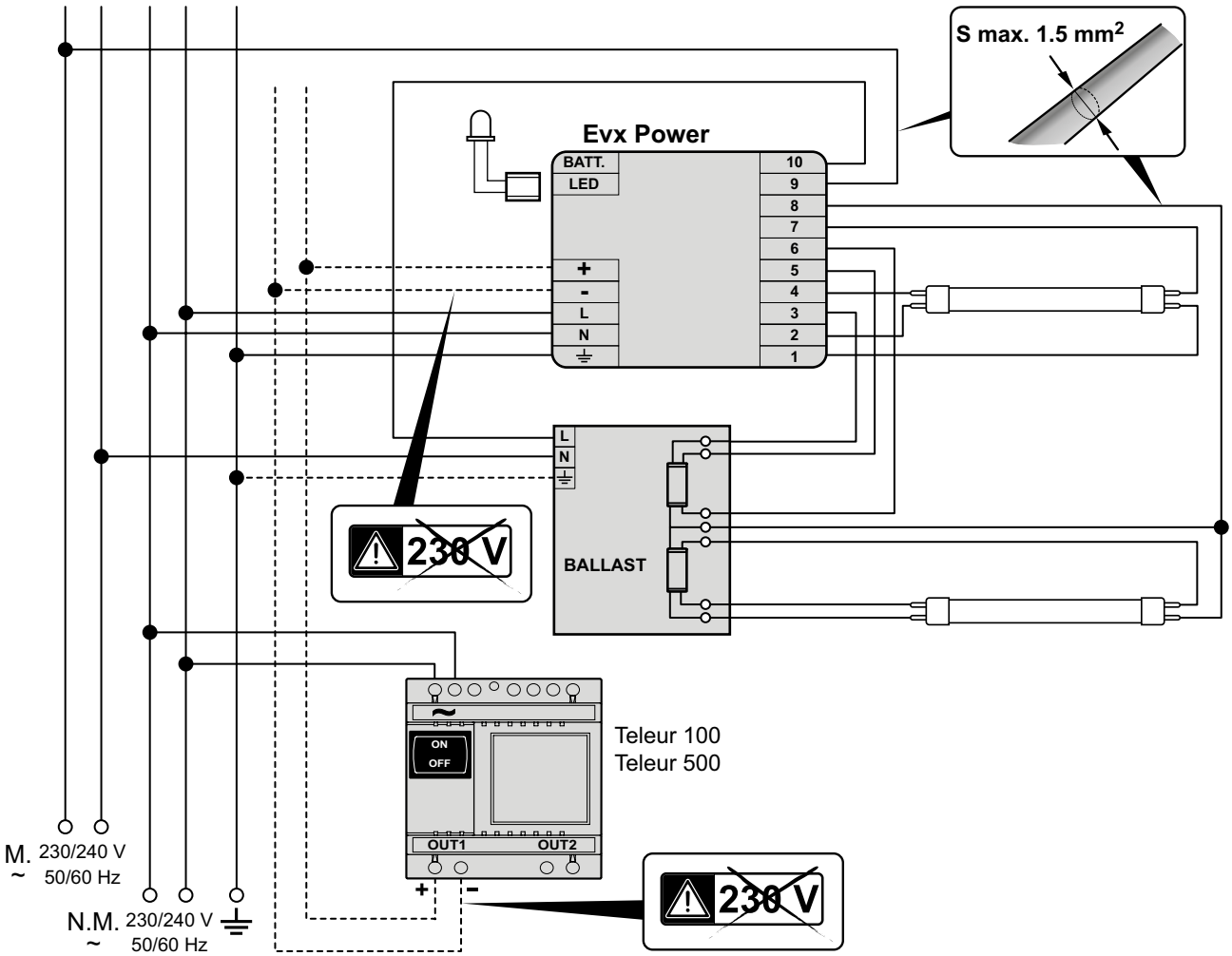
Design (cont.)
Connection principle for conversion kits
(cont.)

Evx Power T5 AC (cont.)

General connection, electronic ballast

M: maintained mode,

N.M Non-maintained mode



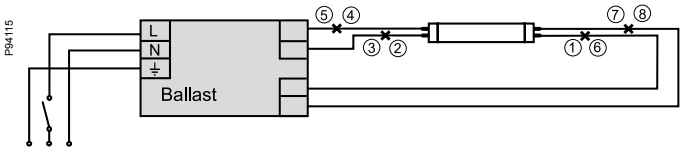
Evx Power T5 AC (cont.)

× Disconnect the wiring
○ Number of Evx Power T5 AC standard contact

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

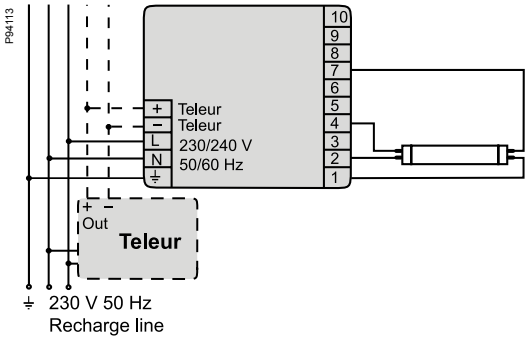
Single tube, electronic ballast

Before (in maintained mode)



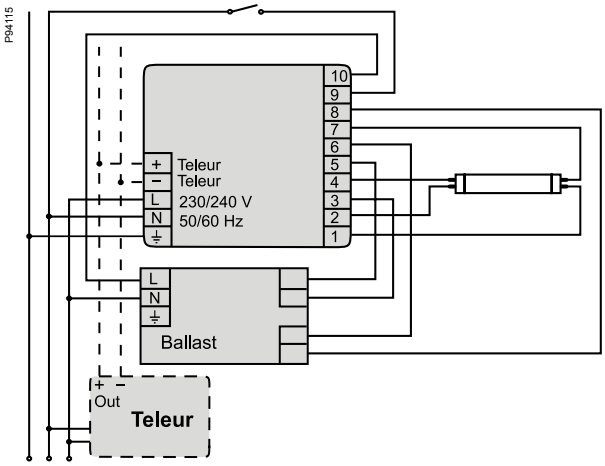
230 V - 50 Hz
Mains

Non-maintained mode



230 V 50 Hz
Recharge line

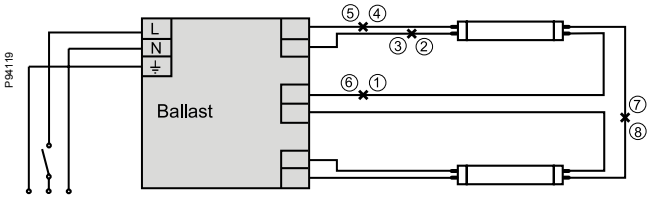
After, in maintained mode



230 V 50 Hz
Recharge line

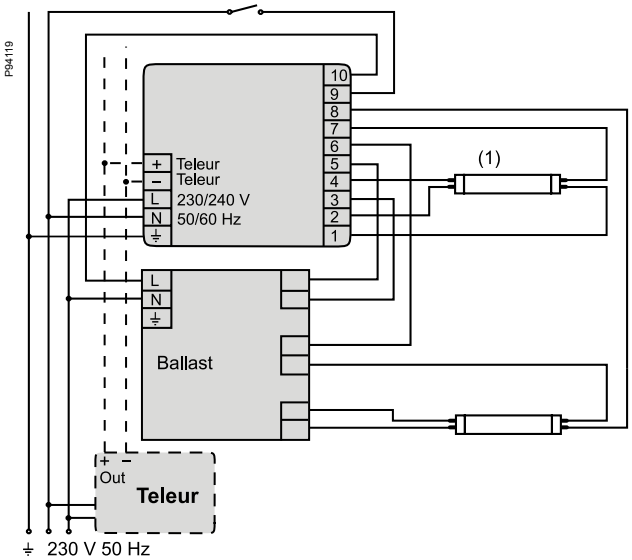
Double tube (6 contacts) , electronic ballast

Before (in maintained mode)



230 V 50 Hz
Recharge line

After, in maintained mode



230 V 50 Hz
Recharge line

(1) Only one lamp in emergency mode

Design (cont.)
Connection principle for conversion kits (cont.)

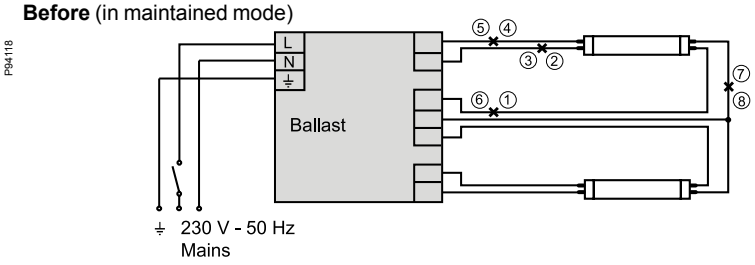
Evx Power T5 AC (cont.)

× Disconnect the wiring
○ Number of Evx Power T5 AC standard contact

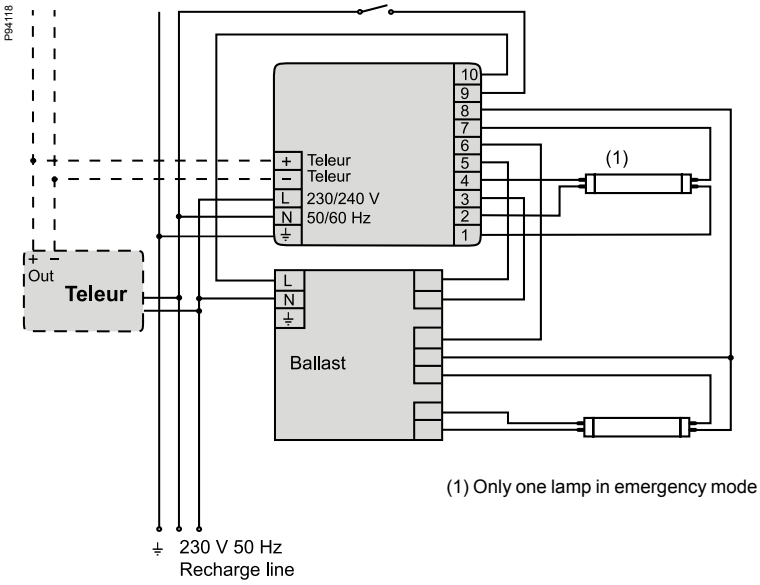
Before: internal diagram of the luminaire.
After: diagram with Evx connected.

Double tube (7 contacts), electronic ballast

Before (in maintained mode)

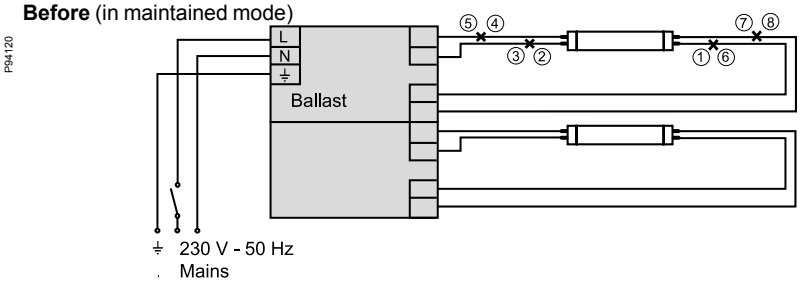


After, in maintained mode

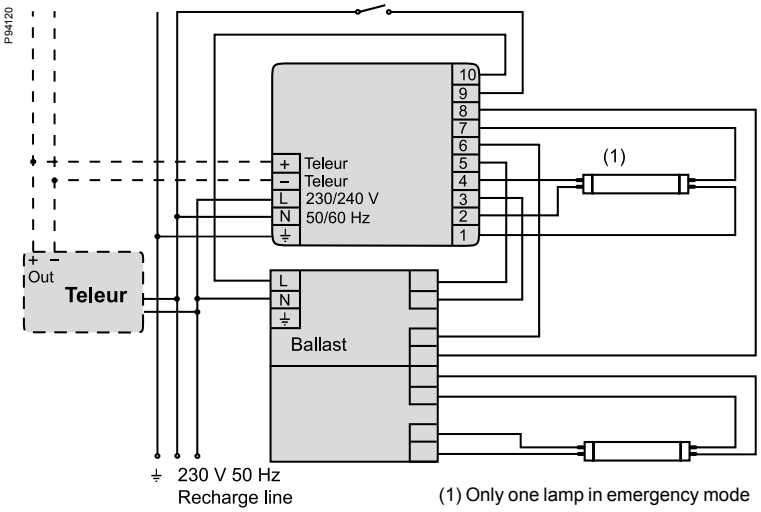


Double tube (8 contacts), electronic ballast

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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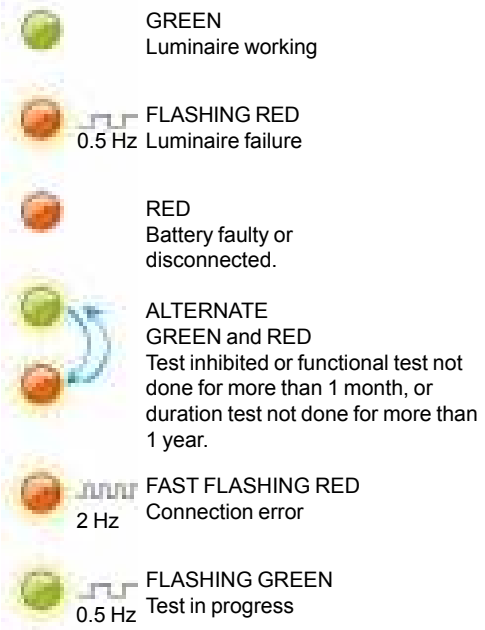

A multi-coloured LED displays the status of the luminaire.

Self-containend 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.

Glossary
Emergency lighting glossary

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/m²)
Unit of measurement to quantify the amount of light provided by the luminaire to a 1 m^2 area (for example: 1 lux means 1 lumen measured on a 1 m^2 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 of 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).

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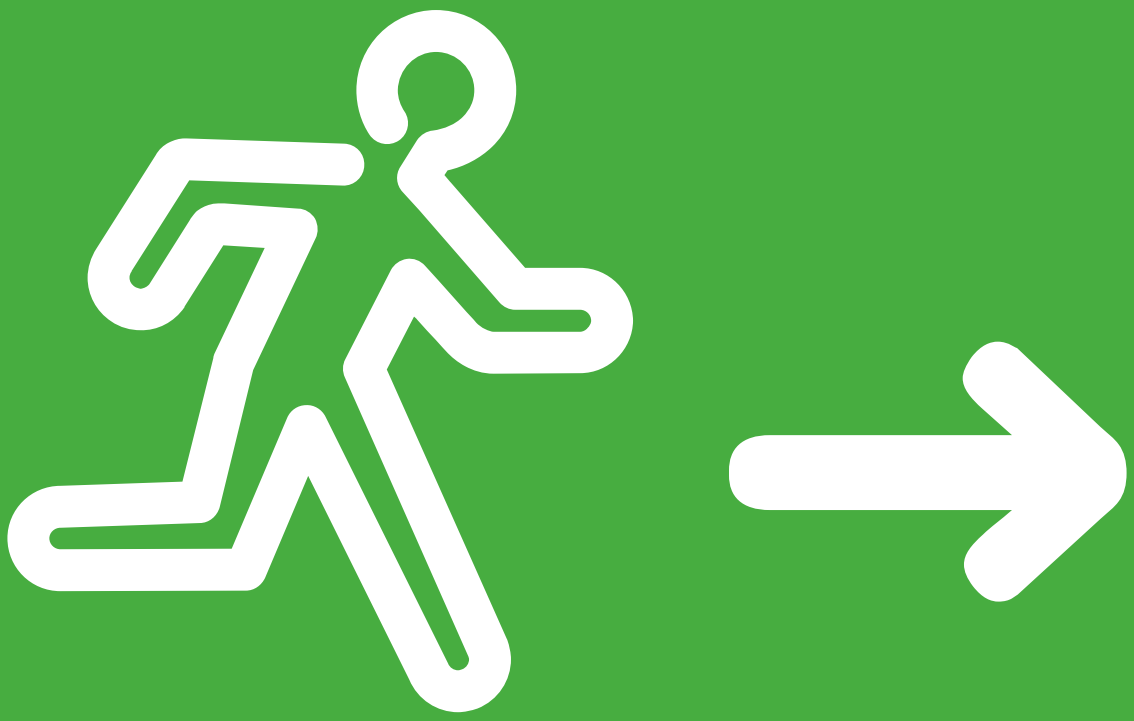

Numbered parts list

Note

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