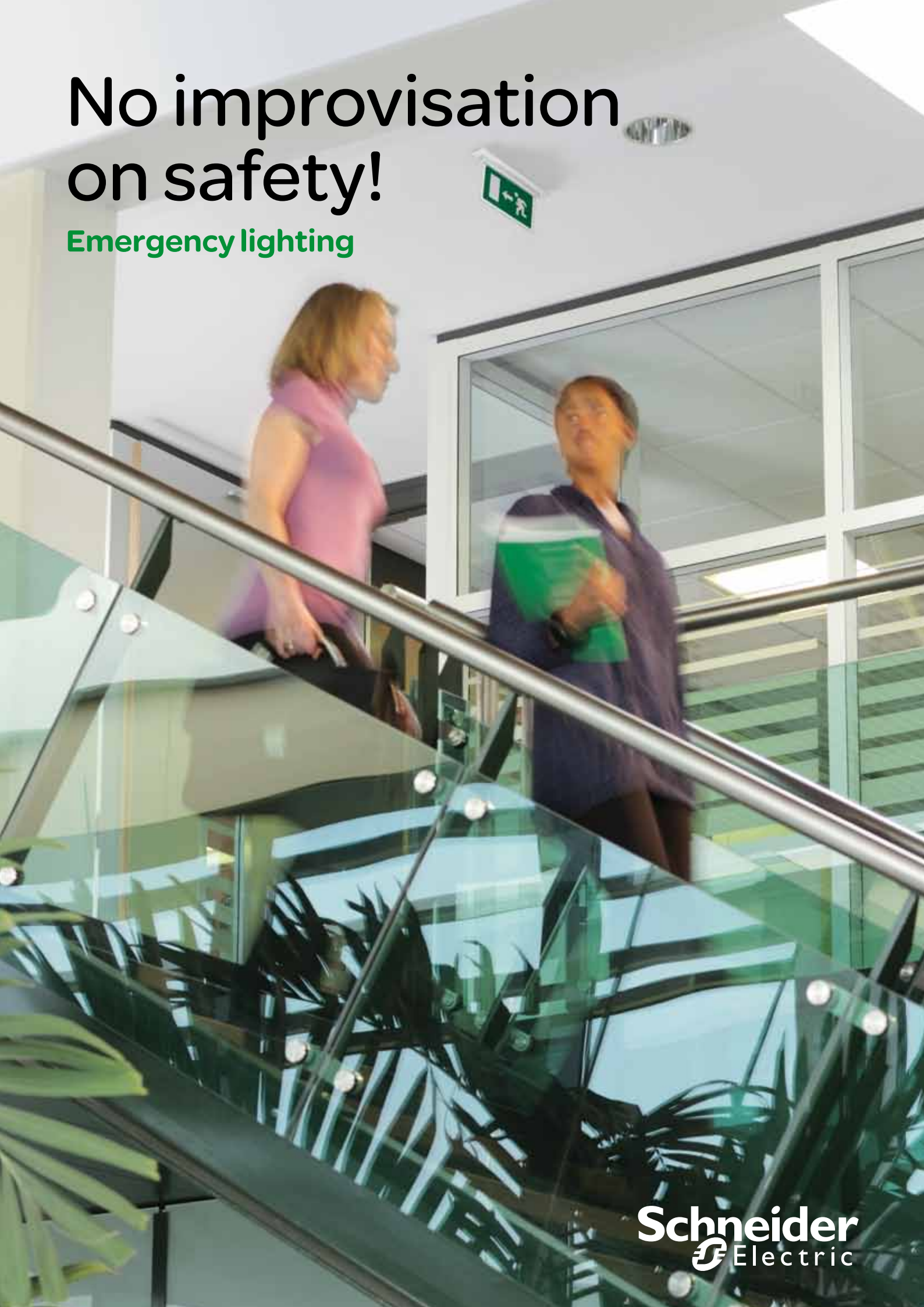
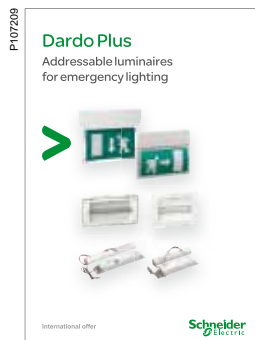


No improvisation on safety!

Emergency lighting



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ISC02015



ISC01785

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 400 references, discover it in the catalogue **ISC01785**.

A range with true arguments to enhance

Emergency lighting prevent and manage panic movements in the event of serious of buildings (hotels, malls, hospitals, offices, museums...), Schneider Electric's emergency lighting solutions are designed for their occupants.



Simple

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.

Reliable

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

Safe

Schneider Electric's solutions are focused to safety. During the installation and the maintenance stages. 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 safety: comply with EN 1838, EN 60598-1 and EN 60598-2-22, meet the various prevailing regulations.

Design

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

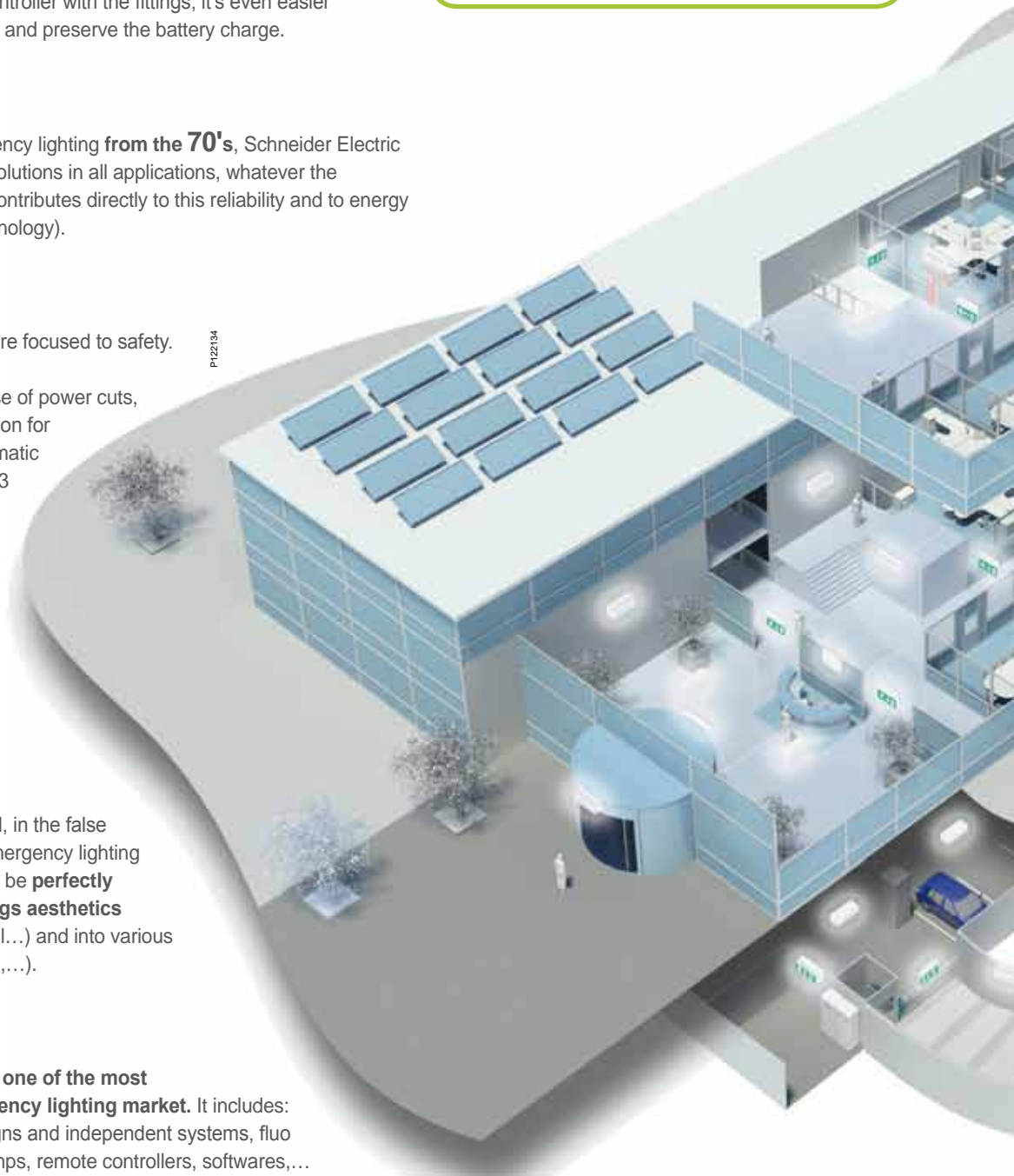
Wide

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

More solutions...

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

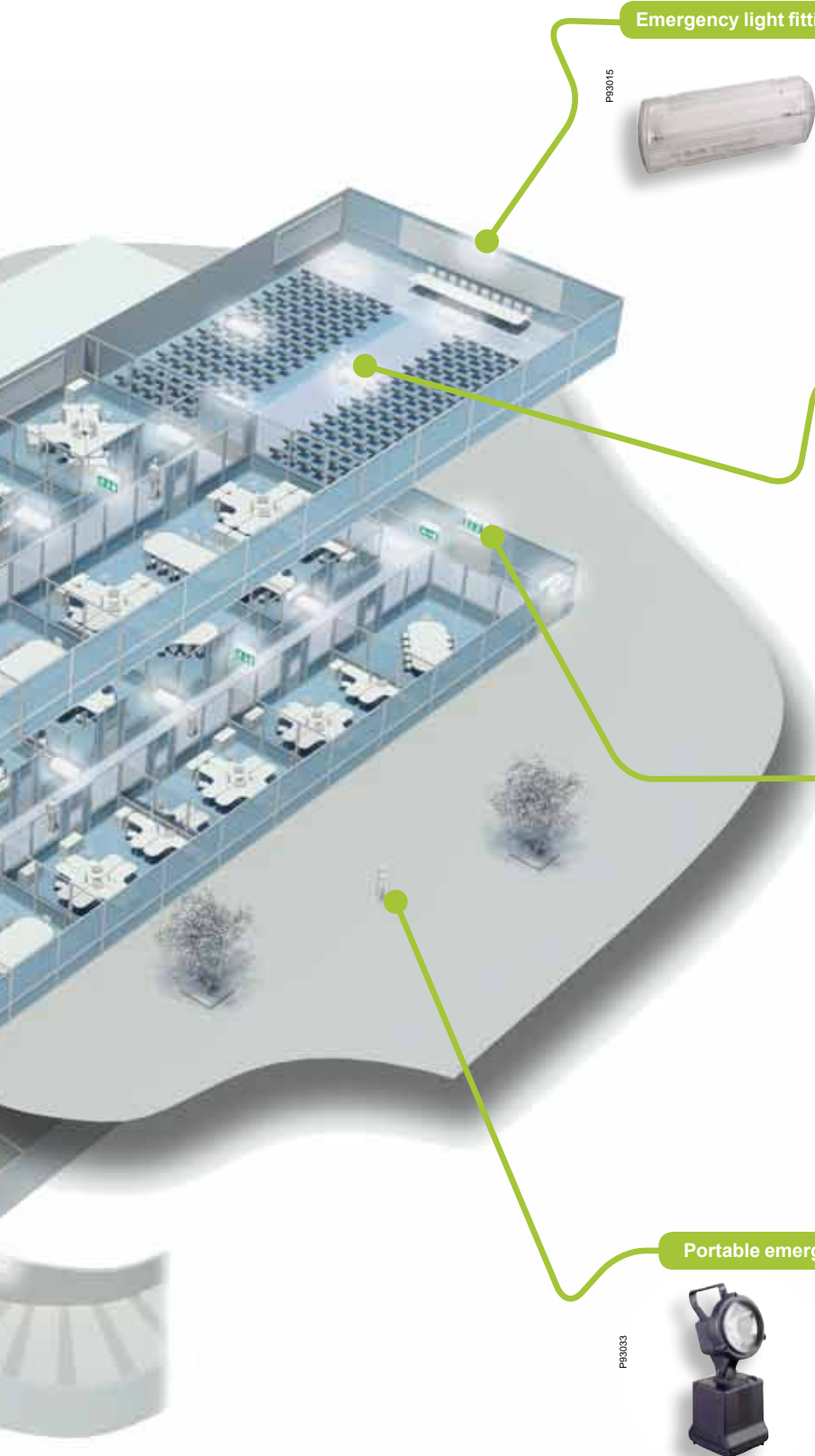
See dedicated catalogue and leaflet.



PI22134

ence buildings' safety

problems as for example fire or earth quake. Adapted to all types and sizes emergency lighting range is the essential stand-by devices guaranteeing safety



Emergency light fittings

PB30015



**Rilux,
Primalum,
Luxa,,
Guardian**

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

Conversion kits

PB30023



**Evx Ferro,
Evx Power**

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

Emergency exit signs

PB3160



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

- Long-life light
- Modern appearance

Portable emergency lamps

PB30033



**Top 4,
Toplux,
Jodiolux**

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

Emergency light fittings

> Rilux

Standard version
IP40, IK06 / 07
see page 18



Accessories



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)	Protective grids
-------------------	--------------	---	--------------------	--------------------------------	--------------------------------	--------------------------------	--------------------------------	------------------

Non-maintained

IP40	IK06	1	70	OVA37066E	OVA50236E	OVA50247E	OVA50248E	OVA50237E	OVA50343E
			90	OVA37067E	OVA50238E	OVA50249E	OVA50250E	OVA50239E	OVA50344E
	IK07	1	180	OVA37069E	OVA50240E	OVA50251E	OVA50252E	OVA50241E	OVA50343E
			250	OVA37070E	OVA50240E	OVA50251E	OVA50252E	OVA50241E	OVA50343E
IK06	3	1	90	OVA37068E	OVA50238E	OVA50249E	OVA50250E	OVA50239E	OVA50344E

Maintained

IP40	IK06	1	75 / 90	OVA37071E	OVA50238E	OVA50249E	OVA50250E	OVA50239E	OVA50344E
			3	OVA37072E	OVA50238E	OVA50249E	OVA50250E	OVA50239E	OVA50344E

> Primalum

Standard version, IP42, IK06 / 07
see page 22



Accessories



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)	EN Pictogram stickers (set of 10)	ES Pictogram stickers (set of 10)	Protective grids
-------------------	--------------	---	--------------------	--------------------------------	--------------------------------	--------------------------------	-----------------------------------	-----------------------------------	------------------

Non maintained

IP42	IK07	1	65	OVA37037E	OVA50284E	OVA50285E	OVA50286E	OVA50287E	OVA50288E	OVA50343E
			90	OVA37074E	OVA50284E	OVA50285E	OVA50286E	OVA50287E	OVA50288E	OVA50343E
			115	OVA37075E	OVA50284E	OVA50285E	OVA50286E	OVA50287E	OVA50288E	OVA50343E
			160	OVA37039E	OVA50284E	OVA50285E	OVA50286E	OVA50287E	OVA50288E	OVA50343E
			220	OVA37077E	OVA50284E	OVA50285E	OVA50286E	OVA50287E	OVA50288E	OVA50343E
			320	OVA37078E	OVA50284E	OVA50285E	OVA50286E	OVA50287E	OVA50288E	OVA50343E
		3	90	OVA37076E	OVA50284E	OVA50285E	OVA50286E	OVA50287E	OVA50288E	OVA50343E

Spare parts



P98733



P98733

Fluorescent tubes

Batteries (Ni-Cd)

OVA51005E	OVA51012E
OVA51006E	OVA51012E
OVA51009E	OVA51016E
OVA51011E	OVA51021E
OVA51006E	OVA51019E

OVA51007E	OVA51018E
OVA51007E	OVA51019E



P102893



P102894

White frames

Grey frames



P102895

Flush mounting box



P98693

False ceiling kit



P98694

Hanging / electrified track kit

Spare parts



P98733

Fluorescent tubes



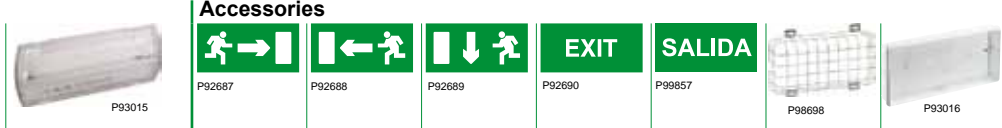
P98733

Batteries (Ni-Cd)

OVA53028E	OVA53029E	OVA53033E	OVA53023E	OVA50347E	OVA51005E	OVA51012E
OVA53028E	OVA53029E	OVA53033E	OVA53023E	OVA50347E	OVA51005E	OVA51013E
OVA53028E	OVA53029E	OVA53033E	OVA53023E	OVA50347E	OVA51005E	OVA51016E
OVA53028E	OVA53029E	OVA53033E	OVA53023E	OVA50347E	OVA51009E	OVA51016E
OVA53028E	OVA53029E	OVA53033E	OVA53023E	OVA50347E	OVA51009E	OVA51019E
OVA53028E	OVA53029E	OVA53033E	OVA53023E	OVA50347E	OVA51009E	OVA51038E
OVA53028E	OVA53029E	OVA53033E	OVA53023E	OVA50347E	OVA51005E	OVA51038E

Emergency light fittings

> **Luxa**
Standard version
IP42 / IP65,
IK06 / 07 / 08
see page 26



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)	EN Pictogram stickers (set of 10)	ES Pictogram stickers (set of 10)	Protective grids	Flush mounting box
-------------------	--------------	---	--------------------	--------------------------------	--------------------------------	--------------------------------	-----------------------------------	-----------------------------------	------------------	--------------------

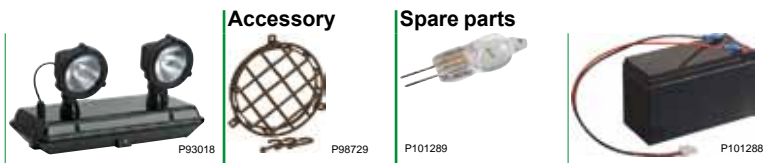
Non-maintained

IP42	IK06	1	60	OVA37191E	OVA50242E	OVA50253E	OVA50254E	OVA50243E	OVA50279E	OVA50343E	OVA50345E	
			100	OVA37093E	OVA50244E	OVA50255E	OVA50256E	OVA50245E	OVA50280E	OVA50344E	OVA50346E	
		IK07	3	180	OVA37192E	OVA50242E	OVA50253E	OVA50254E	OVA50243E	OVA50279E	OVA50343E	OVA50345E
				210	OVA37100E	OVA50244E	OVA50255E	OVA50256E	OVA50245E	OVA50280E	OVA50344E	OVA50346E
	IK06	1	370	OVA37095E	OVA50244E	OVA50255E	OVA50256E	OVA50245E	OVA50280E	OVA50344E	OVA50346E	
			60	OVA37193E	OVA50242E	OVA50253E	OVA50254E	OVA50243E	OVA50279E	OVA50343E	OVA50345E	
		IK07	3	90	OVA37094E	OVA50244E	OVA50255E	OVA50256E	OVA50245E	OVA50280E	OVA50344E	OVA50346E
				115	OVA37194E	OVA50242E	OVA50253E	OVA50254E	OVA50243E	OVA50279E	OVA50343E	OVA50345E
	IP65	IK07	1	60	OVA37195E	OVA50242E	OVA50253E	OVA50254E	OVA50243E	OVA50279E	OVA50343E	OVA50345E
				100	OVA37098E	OVA50244E	OVA50255E	OVA50256E	OVA50245E	OVA50280E	OVA50344E	OVA50346E
				180	OVA37196E	OVA50242E	OVA50253E	OVA50254E	OVA50243E	OVA50279E	OVA50343E	OVA50345E
				210	OVA37101E	OVA50244E	OVA50255E	OVA50256E	OVA50245E	OVA50280E	OVA50344E	OVA50346E
IK08		3	370	OVA37102E	OVA50244E	OVA50255E	OVA50256E	OVA50245E	OVA50280E	OVA50344E	OVA50346E	
			60	OVA37197E	OVA50242E	OVA50253E	OVA50254E	OVA50243E	OVA50279E	OVA50343E	OVA50345E	
			115	OVA37198E	OVA50242E	OVA50253E	OVA50254E	OVA50243E	OVA50279E	OVA50343E	OVA50345E	

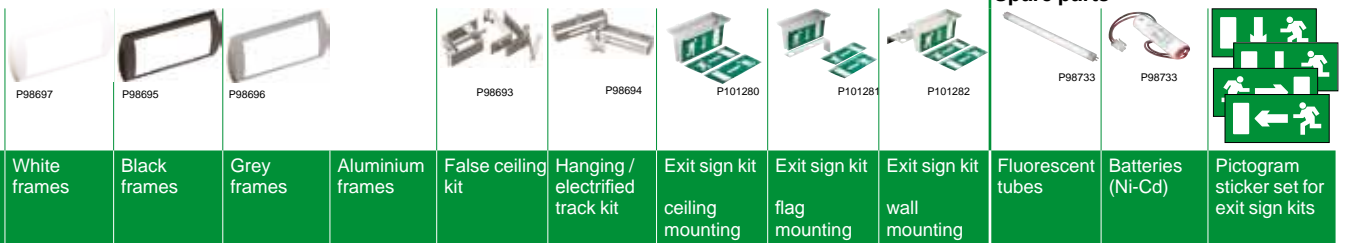
Maintained

IP42	IK06	1	100 / 185	OVA37096E	OVA50244E	OVA50255E	OVA50256E	OVA50245E	OVA50280E	OVA50344E	OVA50346E
		3	90 / 165	OVA37097E	OVA50244E	OVA50255E	OVA50256E	OVA50245E	OVA50280E	OVA50344E	OVA50346E
IP65	IK07	1	100 / 185	OVA37099E	OVA50244E	OVA50255E	OVA50256E	OVA50245E	OVA50280E	OVA50344E	OVA50346E

> **Guardian**
Standard version
IP65, IK07
see page 32



Protection rating	Autonomy (h)	Average flux (lm)	Emergency lighting	Protective grids	Halogen bulbs	Batteries Pb	
IP65	IK07	1	200	OVA41437E	OVA50342E	OVA51002E	OVA51025E
		400	OVA41435E	OVA50342E	OVA51003E	OVA51024E	
		1050	OVA41436E	OVA50342E	OVA51004E	OVA51024E	



OVA50349E	OVA50351E	OVA50350E	OVA53036E	OVA50348E	OVA50347E	-	-	-	OVA51005E	OVA51012E	-
OVA50352E	OVA50354E	OVA50353E	OVA53037E	OVA50348E	OVA50347E	OVA50328E	OVA50329E	OVA50330E	OVA51006E	OVA51013E	OVA50283E
OVA50349E	OVA50351E	OVA50350E	OVA53036E	OVA50348E	OVA50347E	-	-	-	OVA51010E	OVA51016E	-
OVA50352E	OVA50354E	OVA50353E	OVA53037E	OVA50348E	OVA50347E	OVA50328E	OVA50329E	OVA50330E	OVA51043E	OVA51019E	OVA50283E
OVA50352E	OVA50354E	OVA50353E	OVA53037E	OVA50348E	OVA50347E	OVA50328E	OVA50329E	OVA50330E	OVA51008E	OVA51022E	OVA50283E
OVA50349E	OVA50351E	OVA50350E	OVA53036E	OVA50348E	OVA50347E	-	-	-	OVA51037E	OVA51019E	-
OVA50352E	OVA50354E	OVA50353E	OVA53037E	OVA50348E	OVA50347E	OVA50328E	OVA50329E	OVA50330E	OVA51006E	OVA51017E	OVA50283E
OVA50349E	OVA50351E	OVA50350E	OVA53036E	OVA50348E	OVA50347E	-	-	-	OVA51044E	OVA51038E	-
OVA50349E	OVA50351E	OVA50350E	OVA53036E	OVA50348E	OVA50347E	-	-	-	OVA51005E	OVA51012E	-
OVA50352E	OVA50354E	OVA50353E	OVA53037E	OVA50348E	OVA50347E	OVA50328E	OVA50329E	OVA50330E	OVA51006E	OVA51013E	OVA50283E
OVA50349E	OVA50351E	OVA50350E	OVA53036E	OVA50348E	OVA50347E	-	-	-	OVA51010E	OVA51016E	-
OVA50352E	OVA50354E	OVA50353E	OVA53037E	OVA50348E	OVA50347E	OVA50328E	OVA50329E	OVA50330E	OVA51043E	OVA51019E	OVA50283E
OVA50352E	OVA50354E	OVA50353E	OVA53037E	OVA50348E	OVA50347E	OVA50328E	OVA50329E	OVA50330E	OVA51008E	OVA51022E	OVA50283E
OVA50349E	OVA50351E	OVA50350E	OVA53036E	OVA50348E	OVA50347E	-	-	-	OVA51037E	OVA51019E	-
OVA50349E	OVA50351E	OVA50350E	OVA53036E	OVA50348E	OVA50347E	-	-	-	OVA51044E	OVA51038E	-
OVA50352E	OVA50354E	OVA50353E	OVA53037E	OVA50348E	OVA50347E	OVA50328E	OVA50329E	OVA50330E	OVA51007E	OVA51013E	OVA50283E
OVA50352E	OVA50354E	OVA50353E	OVA53037E	OVA50348E	OVA50347E	OVA50328E	OVA50329E	OVA50330E	OVA51007E	OVA51021E	OVA50283E
OVA50352E	OVA50354E	OVA50353E	OVA53037E	OVA50348E	OVA50347E	OVA50328E	OVA50329E	OVA50330E	OVA51007E	OVA51013E	OVA50283E

Emergency exit signs

> Astro Guida

Self-diagnosis version (Activa)
Standard version
IP42, IK06
see page 40



P93012

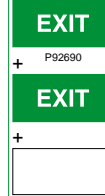
Accessories



P98730



P98731



P92690



P99857

Visibility (m)	Autonomy (h)	Emergency exit signs	Ceiling, hanging and electrified track kit	Protective grid	EN Exit sign screens for 1 or 2 sides	ES Exit sign screens for 1 or 2 sides
----------------	--------------	----------------------	--	-----------------	---------------------------------------	---------------------------------------

Self-diagnosis version (Activa)						
24	1	OVA38466E	OVA50356E	OVA50357E	OVA50281E	OVA50282E
Standard version						
24	1	OVA38464E	OVA50356E	OVA50357E	OVA50281E	OVA50282E
	3	OVA38465E	OVA50356E	OVA50357E	OVA50281E	OVA50282E

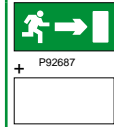
> Quick Signal

Self-diagnosis version (Activa)
Standard version
IP40, IK07
see page 44

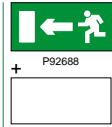


P101292

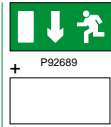
Exit sign screens



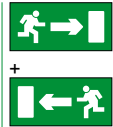
P92687



P92688



P92689



P92690

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 50

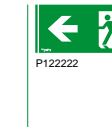


P122225

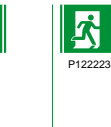
Exit sign screens



P122221



P122222



P122223

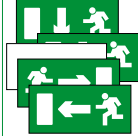


Type	Visibility (m)	Autonomy (h)	Emergency exit signs	Exit sign screens for 1 side signalling			Exit sign screens for 2 sides signalling	
Lys-W	25	1	OVA38083	OVA53046	OVA53047	OVA53048	OVA53049	OVA53050
		3	OVA38084	OVA53046	OVA53047	OVA53048	OVA53049	OVA53050
Lys-FL	25	1	OVA38081	OVA53046	OVA53047	OVA53048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

Spare parts



P92995



	Flag bracket (spare part)	Pictogram sticker set (spare part)
	OVA50355E	OVA50246E
	OVA50355E	OVA50246E
	OVA50355E	OVA50246E

SALIDA

+ P99857

SALIDA

+



Accessories



P98732



P101293

Spare parts



P101295



P101302

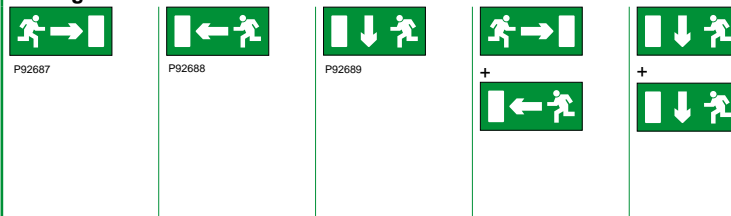
ES Exit sign screens for 1 or 2 sides	False ceiling mounting kit	Hanging kit	Wall / flag type bracket	Batteries Ni-Cd
OVA53032E	OVA50318E	OVA50314E	OVA50316E	OVA51014E
OVA53032E	OVA50318E	OVA50314E	OVA50316E	OVA51014E
OVA53032E	OVA50318E	OVA50314E	OVA50316E	OVA51015E

Emergency exit signs

> **Esy**
Self-diagnosis version
(Activa)
IP42, IK07
see page 52



Exit sign screens

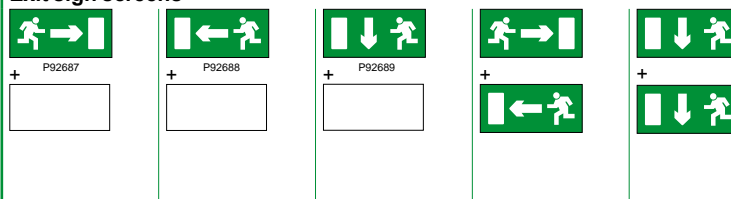


Type	Visibility (m)	Autonomy (h)	Emergency exit signs	Exit sign screens for 1 side signaling			Exit sign screens for 2 sides signalling	
Esy-W	21	1	OVA38087	OVA53051	OVA53052	OVA53053	OVA53054	OVA53055
		3	OVA38088	OVA53051	OVA53052	OVA53053	OVA53054	OVA53055
Esy-FL	21	1	OVA38085	OVA53051	OVA53052	OVA53053	OVA53054	OVA53055
		3	OVA38086	OVA53051	OVA53052	OVA53053	OVA53054	OVA53055

> **Maxi Slim**
Standard version
IP40
see page 54



Exit sign screens



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

Accessories



P98692

Spare parts



P101296



P101297

	Protective grids	Fluorescent tube	Batteries Ni-Cd
	OVA53010E	OVA51034E	OVA51019E
	OVA53010E	OVA51034E	OVA51019E
	OVA53011E	OVA51035E	OVA51039E
	OVA53011E	OVA51035E	OVA51039E

Conversion kits

> **Evx Ferro**
Standard version
see page 60



Spare parts



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

> **Evx Power**
Standard version
see page 62



Spare parts



Batteries	Conversion kits	Batteries Ni-Cd	LED
3.6 V - 4.5 Ah	in line	OVA43107E	OVA51030E
4.8 V - 4.5 Ah	in line	OVA43108E	OVA51031E
6.0 V - 4.5 Ah	in line	OVA43109E	OVA51032E
			OVA51033E OVA51033E OVA51033E

Remote control








> **Teleur**
see page 73










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

Portable emergency lamps

> Top 4 IP40 see page 68


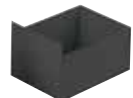




		Accessories			Spare parts			
								
P93029		P93163	P93036	P93159	P101304	P101307	P101305	
Lamp and autonomy		Portable emergency lamp	Lamp supports	Diffuser signaller	Charger	Battery Pb	Main lamp	Auxiliary lamp
main	auxiliary							
6 W - 4 h	1.5 W - 15 h	OVA41317E	OVA50360E	OVA50315E	OVA50358E	OVA51023E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

> Toplux IP55 see page 69

		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 70

		Accessories			Spare parts		
							
P93033		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

Avoid public panic for greater safety

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

2 mains benefits

for buildings' occupants:

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

PG1607



School,
administration
building, etc.

ELP03642



Hotel, office,
museum,
etc.

P101575



Outdoors,
factory,
very high
warehouse, etc.

> Easy to install and maintain

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



Special holes.



Quick connection.



Swivelable heads.

Design

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



Discreet.



Versatile.



Sealing.

Adaptable

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



Intelligent

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



Teleur

"Zoom on "






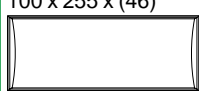
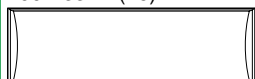
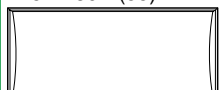
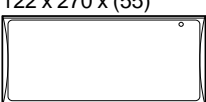
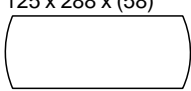

Self-diagnosis version (Activa): Save time during test and maintenance!

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

These devices make their operational tests.

They tell whether the light source, the battery or the device is defective (and has to be replaced).

The diagnosis is displayed by a diode that flashes at an appropriate rate and in an appropriate colour.

Range	Rilux	Primalum	Luxa
			
Technical specifications			
Protection rating	IP40	IP42	IP42 or IP65
Self-diagnosis			
Autonomy 1 h	■ IK06 / 07	■ IK07	■ IK06 / 07
3 h	■ IK06		■ IK06 / 07 / 08
Adptable exit sign			■
Average flux in non-maintained mode			
60 lm			■ IK06 / 07
65 lm		■ IK07	
70 lm	■ IK06		
75 lm			
90 lm	■ IK06	■ IK07	■ IK06
100 lm			■ IK06 / 07
110 lm		■ IK07	
115 lm		■ IK07	■ IK07 / 08
160 lm		■ IK07	
180 lm	■ IK07		■ IK07 / 08
210 lm			■ IK06 / 07
230 lm		■ IK07	
250 lm	■ IK07		
370 lm			■ IK07
Average flux in maintained mode (emergency condition)			
75 lm	■ IK06		
90 lm			■ IK07
100 lm			■ IK06
Installation methods			
Wall	■	■	■
Flush		■	■
Ceiling	■	■	■
False ceiling		■	■
45° mounting			
Hanging		■	■
Electrified track		■	■
Dimensions (mm) - h x w x (d)			
<i>The drawings are scale drawings</i>	<p>6 W: 100 x 255 x (46)</p>  <p>8 W: 100 x 331 x (46)</p>  <p>11/18 W: 125 x 280 x (55)</p> 	<p>6/11W: 122 x 270 x (55)</p> 	<p>6/11 W: 125 x 288 x (58)</p>  <p>8 W: 135 x 348 x (58)</p> 
Page	18	22	26

Range	Guardian
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P9930718



Technical specifications	
---------------------------------	--

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

Average flux in non-maintained mode	
--	--

50 lm	
85 lm	
90 lm	
100 lm	
140 lm	
150 lm	
200 lm	■ IK07
210 lm	
400 lm	■ IK07
640 lm	
1050 lm	■ IK07

Average flux in maintained mode (emergency condition)	
--	--

100 lm
145 lm

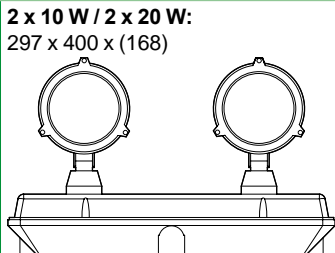
Installation methods	
-----------------------------	--

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

P99873



2 x 10 W / 2 x 20 W:
297 x 400 x (168)

2 x 50 W:
280 x 440 x (230)

Good performance and attractive design at the right price!

P103014



Up to
250
lumens

3. Access from five sides

P103015



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

P103011





1. Discrete and aesthetic design



Small and nicely shaped.

2. Fast installation



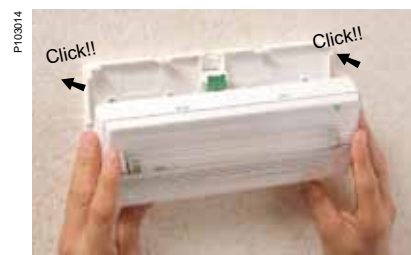
The connector is fitted right from the start.



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



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



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

4. Easy to transform



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

P93014

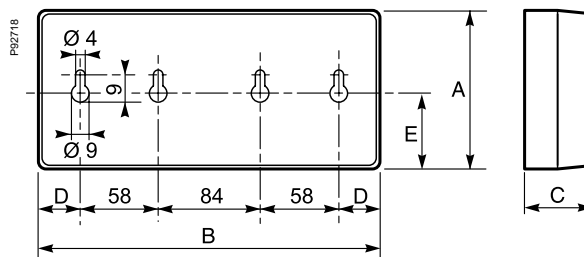


CE

Technical specifications

- Available for maintained or non-maintained operation
- Installation: quick mounting on wall or ceiling
- Compliant with EN 60598-2-22 standard
- Can be inhibited with rest mode via Teleur range of remote controls
- 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
- Power supply: 230 V, 50 Hz
- Complete recharge in 24 h

Dimensions



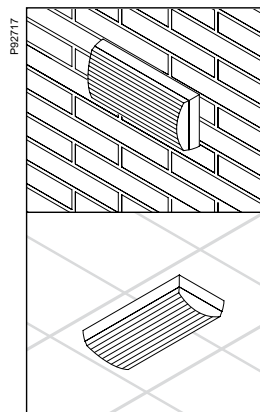
P92716



Quick mounting

		Dimensions (mm)				
		A	B	C	D	E
6 W	70 lm	100	255	46	27	48
8 W	75 and 90 lm	100	331	46	65	48
11/18 W	180 and 250 lm	125	280	55	40	56


Installation methods










Wall
(installation without accessories)

Ceiling
(installation without accessories)



Product catalogue numbers

Rilux	Protection rating		Autonomy (h)	Average flux (lm)		Lamp rated power (W)	socket	Consumption (VA)	Ni-Cd battery		Weight (kg)	Cat. no.
	IP	IK		emergency condition	maintained mode				V	Ah		
	Non-maintained											
	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

Accessory catalogue numbers

	Compatibility	Dimensions (mm) height x width x depth	Cat. no.
Pictogram stickers (set of 10) 	Rilux 6 W	88 x 240	OVA50236E
	Rilux 8 W	88 x 316	OVA50238E
	Rilux 11 / 18 W	120 x 264	OVA50240E
Pictogram stickers (set of 10) 	Rilux 6 W	88 x 240	OVA50247E
	Rilux 8 W	88 x 316	OVA50249E
	Rilux 11 / 18 W	120 x 264	OVA50251E
Pictogram stickers (set of 10) 	Rilux 6 W	88 x 240	OVA50248E
	Rilux 8 W	88 x 316	OVA50250E
	Rilux 11 / 18 W	120 x 264	OVA50252E
Pictogram stickers (set of 10) 	Rilux 6 W	88 x 240	OVA50237E
	Rilux 8 W	88 x 316	OVA50239E
	Rilux 11 / 18 W	120 x 264	OVA50241E
Protective grids 	Rilux 6/11/18 W	170 x 333 x 89	OVA50343E
	Rilux 8 W	180 x 393 x 89	OVA50344E
Teleur remote control 	All models (for 100 luminaires)	102 x 77 x 81 4.5 mod. of 18 mm	OVA50325E
Teleur 500 remote control 	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 	6 W, G5	OVA37066E	OVA51005E
	8 W, G5	OVA37067E, OVA37068E	OVA51006E
		OVA37071E, OVA37072E	OVA51007E
	11 W, 2G7	OVA37069E	OVA51009E
	18 W, 2G11	OVA37070E	OVA51011E
Batteries (Ni-Cd) 	2.4 V, 1.5 Ah	OVA37066E, OVA37067E	OVA51012E
	6 V, 1.5 Ah	OVA37068E, OVA37072E	OVA51019E
	6 V, 0.6 Ah	OVA37071E	OVA51018E
	4.8 V, 1.5 Ah	OVA37069E	OVA51016E
	7.2 V, 1.5 Ah	OVA37070E	OVA51021E

Easy to install, easy to maintain.

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



● **Box with the connector.**

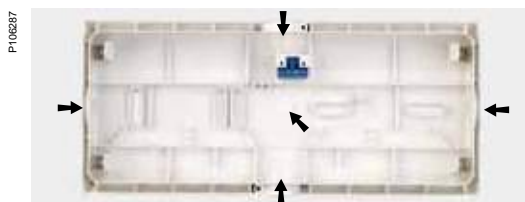
● **Light fitting**
with all of the active elements, the reflector and the diffuser.

P106286



5. Access from 5 sides

6. Maximum organization



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



Cable organizer to hold the cables.

1. Fast installation



Can be pre-installed so that the light fitting then just clicks in place.

2. Safe and easy maintenance



Easy access to the parts thanks to the fastened diffuser.

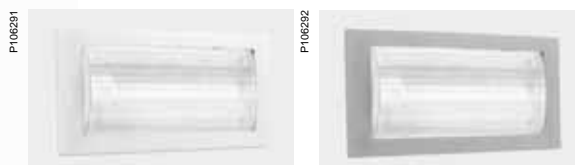
Easy, safe battery connection, no risk.

3. Versatile: an accessory for every type of installation



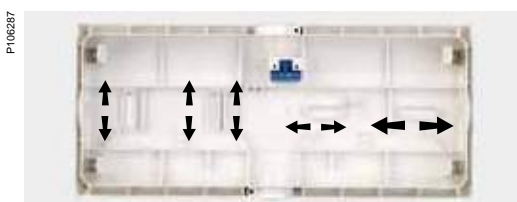
For installation in false ceilings, flush-mounted, surface-mounted, in electrical conduits, etc.

4. Personalized



Straight frames in 2 colours: white and grey.

7. Easy to fasten and align



Several easy ways of fastening the light fitting.

8. Secure fastening



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

P1102392



CE

P1102396

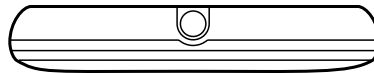
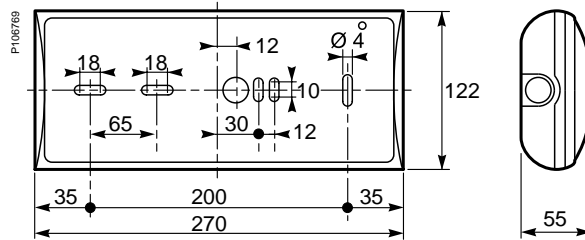


Coloured frames (white, grey).

Technical specifications

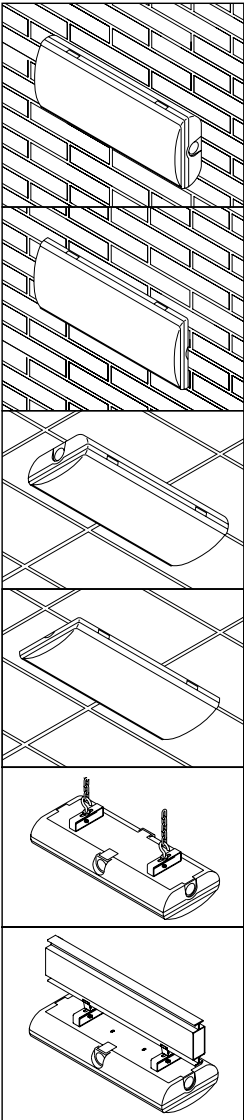
- Available for non-maintained operation
- Installation: quick mounting on wall or ceiling
- Compliant with EN 60598-2-22 standard
- Can be inhibited with rest mode via Teleur range of remote controls
- Protection rating: IP42, IK06 / 07
- Insulation class: II □
- Operating temperature: 0...40°C
- Fire behaviour (EN 60695-2-10), incandescent wire: 850°C
- Light source: fluorescent lamp
- Power supply: 230 V, 50 Hz
- Complete recharge in 24 h

Dimensions



Installation methods

P1102E38



Wall
(installation without accessories)

Flush
(installation with flush mounting box)


Ceiling
(installation without accessories)

False ceiling
(installation with false ceiling kit + flush mounting box)



Hanging
(installation with hanging / electrified track kit)

Electrified track
(installation with hanging / electrified track kit)












Product catalogue numbers

Primalum	Protection rating	Autonomy (h)	Average flux (lm)		Lamp rated power (W)	socket	Consumption (VA)	Ni-Cd battery		Weight (kg)	Cat. no.	
			emergency condition	maintained mode								
	IP42 IK07	1	Non-maintained									
			65	-	6	G5	2.5	2.4 V	1.5 Ah	0.65	OVA37037E	
			90	-	6	G5	2.5	3.6 V	1.5 Ah	0.79	OVA37074E	
			115	-	6	G5	3	4.8 V	1.5 Ah	0.84	OVA37075E	
			160	-	11	2G7	4.5	4.8 V	1.5 Ah	0.75	OVA37039E	
			220	-	11	2G7	3.2	6 V	1.5 Ah	0.92	OVA37077E	
			320	-	11	2G7	3.5	6 V	2.2 Ah	0.94	OVA37078E	
		3	90	-	6	G5	3.5	6 V	2.2 Ah	0.92	OVA37076E	

Spare parts catalogue numbers

	Description	Compatibility	Cat. no.
	6 W, G5	OVA37037E, OVA37074E, OVA37075E, OVA37076E	OVA51005E
	11 W, 2G7	OVA37039E, OVA37077E, OVA37078E	OVA51009E
	2.4 V, 1.5 Ah	OVA37037E	OVA51012E
	3.6 V, 1.5 Ah	OVA37074E	OVA51013E
	4.8 V, 1.5 Ah	OVA37039E, OVA37075E	OVA51016E
	6 V, 1.5 Ah	OVA37077E	OVA51019E
	6 V, 2.2 Ah	OVA37076E, OVA37078E	OVA51038E

Accessory catalogue numbers

	Compatibility	Dimensions (mm) height x width x depth	Cat. no.
 Pictogram stickers (set of 10)	Primalum 6/11 W	108 x 255	OVA50284E
 Pictogram stickers (set of 10)	Primalum 6/11 W	108 x 255	OVA50285E
 Pictogram stickers (set of 10)	Primalum 6/11 W	108 x 255	OVA50286E
 Pictogram stickers (set of 10)	Primalum 6/11 W EN language	108 x 255	OVA50287E
	Primalum 6/11 W ES language	108 x 255	OVA50288E
 Pictogram stickers (set of 10)			
 Flush mounting box	Primalum 6/11 W	138 x 312 x 56	OVA53033E
 False ceiling kit (also order a flush mounting box)	All models		OVA53023E
 Hanging / electrified track kit	All models		OVA53047E
 Frames	Primalum 6/11 W	White 155 x 328 x 8	OVA53028E
	Primalum 6/11 W	Grey 155 x 328 x 8	OVA53029E
 Protective grids	Primalum 6/11 W	170 x 333 x 89	OVA53043E
 Teleur remote control	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

Wide range.

Luxa has many options so it is suitable for any type of installation:

- Sealed version IP65 and unsealed version IP42.
- Permanent or Not Permanent.
- Battery operation for 1 or 3 hours.
- From 60 to 370 lumens.



5. Quality materials



Polycarbonate (PC) used in all of the plastic parts. A sturdy product.

6. Easy to fasten



Various options for fastening the light fitting.

7. Easy access



Quality pre-stamped holes that are easy to drill through. 16 or 20 Ø tube inlet, to IP standards.

1. Easy installation



Separate connector for fast, easy connection.

2. Safe and easy maintenance



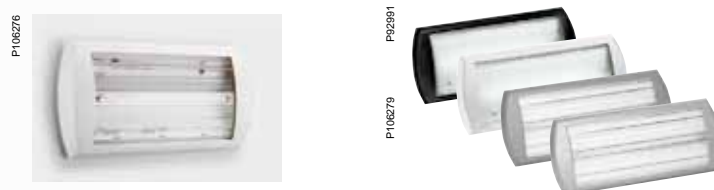
Easy access to the parts as the fluorescent tube and the battery are incorporated in one piece.

3. Versatile: an accessory for every type of installation



Accessories for installing the light fitting in false ceilings, in electrical conduits, flush-mounted, surface-mounted, etc. Converts to an emergency illuminated sign.

4. Personalized



Curved frames available in 4 colours: black, white, grey and aluminium.

8. Sealed version



For places that need installation that is protected from moisture (car park for example).

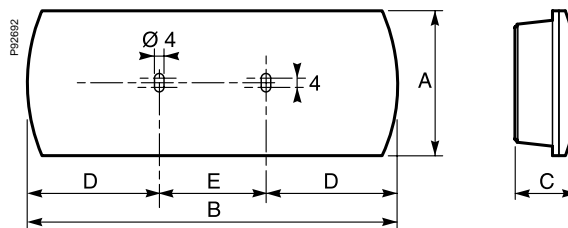


Coloured frames (black, white, grey, aluminium).

Technical specifications

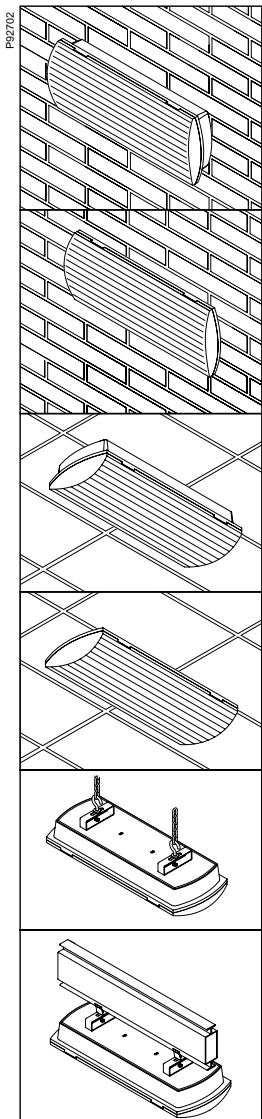
- Available for maintained or non-maintained operation
- Installation for flush mounting and false ceiling
- Personalized with coloured frames
- Compliant with EN 60598-2-22 standard
- Can be inhibited with rest mode via Teleur range of remote controls
- Protection rating: IP42 or IP65, IK06 / 07 / 08
- Insulation class: II □
- Operating temperature: 0...40°C
- Fire behaviour (EN 60695-2-10), incandescent wire: 850°C
- Light source: fluorescent lamp
- Power supply: 230 V, 50 Hz
- Complete recharge in 12 h for models with 1 h autonomy

Dimensions



		Dimensions (mm)				
		A	B	C	D	E
6/11 W	60, 115 and 180 lm	125	288	58	102	84
8 W	90, 100, 210 and 370 lm	135	348	58	73	200

Installation methods



Wall
(installation without accessories)

Flush
(installation with flush mounting box)


Ceiling
(installation without accessories)

False ceiling
(installation with false ceiling kit + flush mounting box)

Hanging
(installation with hanging / electrified track kit)

Electrified track
(installation with hanging / electrified track kit)



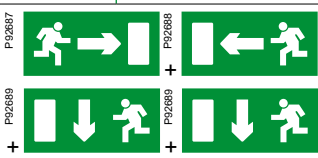
Product catalogue numbers

Luxa	Protection rating		Autonomy (h)	Average flux (lm)		Lamp rated power (W)	socket	Consumption (VA)	Ni-Cd battery		Weight (kg)	Cat. no.	
				emergency condition	maintained mode				V	Ah			
	Non-maintained												
	IP42	IK06	1	60	-	6	G5	5	2.4 V	1.5 Ah	0.85	OVA37191E	
				100	-	8	G5	5	3.6 V	1.5 Ah	0.90	OVA37093E	
		IK07		180	-	11	2G7	5	4.8 V	1.5 Ah	0.98	OVA37192E	
				IK06	210	-	8	G5	5	6.0 V	1.5 Ah	0.97	OVA37100E
		370			-	8	G5	6.5	8.4 V	1.5 Ah	1.10	OVA37095E	
	IK06	3	60	-	6	G5	5	6.0 V	1.5 Ah	1.05	OVA37193E		
			90	-	8	G5	5	4.8 V	2.2 Ah	0.97	OVA37094E		
			IK07	115	-	11	2G7	5	6.0 V	2.2 Ah	1.05	OVA37194E	
	IP65	IK07	1	60	-	6	G5	5	2.4 V	1.5 Ah	0.87	OVA37195E	
				100	-	8	G5	5	3.6 V	1.5 Ah	0.92	OVA37098E	
				IK08	180	-	11	2G7	5	4.8 V	1.5 Ah	1.00	OVA37196E
				IK07	210	-	8	G5	5	6.0 V	1.5 Ah	0.99	OVA37101E
		370	-		8	G5	6.5	8.4 V	1.5 Ah	1.12	OVA37102E		
		IK07	3	60	-	6	G5	5	6.0 V	1.5 Ah	1.07	OVA37197E	
				IK08	115	-	11	2G7	5	6.0 V	2.2 Ah	1.07	OVA37198E
		Maintained											
	IP42	IK06	1	100	185	8	G5	10.5	3.6 V	1.5 Ah	0.90	OVA37096E	
			3	90	165	8	G5	10	7.2 V	1.5 Ah	1.10	OVA37097E	
	IP65	IK07	1	100	185	8	G5	10.5	3.6 V	1.5 Ah	0.92	OVA37099E	

Accessory catalogue numbers

	Compatibility	Dimensions (mm) height x width x depth	Cat. no.
Pictogram stickers (set of 10) 	Luxa 6/11 W	116 x 284	OVA50242E
	Luxa 8 W	126 x 342	OVA50244E
Pictogram stickers (set of 10) 	Luxa 6/11 W	116 x 284	OVA50253E
	Luxa 8 W	126 x 342	OVA50255E
Pictogram stickers (set of 10) 	Luxa 6/11 W	116 x 284	OVA50254E
	Luxa 8 W	126 x 342	OVA50256E
Pictogram stickers (set of 10)  	Luxa 6/11 W EN language	116 x 284	OVA50243E
	Luxa 6/11 W ES language	116 x 284	OVA50279E
	Luxa 8 W EN language	126 x 342	OVA50245E
	Luxa 8 W ES language	126 x 342	OVA50280E
Flush mounting box 	Luxa 6/11 W	114 x 272 x 56	OVA50345E
	Luxa 8 W	124 x 332 x 56	OVA50346E
False ceiling kit (also order a flush mounting box) 	All models		OVA50348E
Hanging / electrified track kit 	All models		OVA50347E
Frames 	Luxa 6/11 W	White 141 x 307 x 26	OVA50349E
	Luxa 8 W	White 154 x 367 x 26	OVA50352E
	Luxa 6/11 W	Black 141 x 307 x 26	OVA50351E
	Luxa 8 W	Black 154 x 367 x 26	OVA50354E
	Luxa 6/11 W	Grey 141 x 307 x 26	OVA50350E
	Luxa 8 W	Grey 154 x 367 x 26	OVA50353E
	Luxa 6/11 W	Aluminium 141 x 307 x 26	OVA50306E
	Luxa 8 W	Aluminium 154 x 367 x 26	OVA50307E
Protective grids 	Luxa 6/11 W	170 x 333 x 89	OVA50343E
	Luxa 8 W	180 x 393 x 89	OVA50344E
Exit sign kits 	Luxa 8 W	Ceiling mounting	OVA50328E
	Pictograms provided 144 x 270	Flag mounting	OVA50329E
		Wall mounting	OVA50330E
Teleur remote control 	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 	6 W, G5	OVA37191E, OVA37195E	OVA51005E
		OVA37193E, OVA37197E	OVA51037E
	8 W, G5	OVA37093E, OVA37094E, OVA37098E	OVA51006E
		OVA37100E, OVA37101E	OVA51043E
		OVA37096E, OVA37097E, OVA37099E	OVA51007E
		OVA37095E, OVA37102E	OVA51008E
	11 W, 2G7	OVA37192E, OVA37196E	OVA51010E
		OVA37194E, OVA37198E	OVA51044E
Batteries (Ni-Cd) 	2.4 V, 1.5 Ah	OVA37191E, OVA37195E	OVA51012E
	3.6 V, 1.5 Ah	OVA37093E, OVA37096E, OVA37098E, OVA37099E	OVA51013E
	4.8 V, 1.5 Ah	OVA37192E, OVA37196E	OVA51016E
	4.8 V, 2.2 Ah	OVA37094E	OVA51017E
	6.0 V, 1.5 Ah	OVA37100E, OVA37101E, OVA37193E, OVA37197E,	OVA51019E
	6.0 V, 2.2 Ah	OVA37194E, OVA37198E	OVA51038E
	7.2 V, 1.5 Ah	OVA37097E	OVA51021E
	8.4 V, 1.5 Ah	OVA37095E, OVA37102E	OVA51022E
Pictogram sticker set (4 pictograms for exit signs kit)			OVA50283E

Security guard in large spaces.

High power and luminosity for buildings with high roofs.
Fully recharged in **12** hours.

P106302



P106299



5. Halogen lighting

P106299



Provides up to 1050 lumens with two high performance halogen beams.

6. Adjustable beams

P106300



Two individually adjustable beams.
Each halogen lamp turns around its axis from 90° to 45° so that they can be turned in any direction, both horizontal and vertical.



1. Reliable installation

P106303



P106304



Easy to connect and fit.

2. Easy to maintain

P106288



P106287



Easy to maintain and replace parts.

3. Extremely robust to provide a high level of protection

P106301



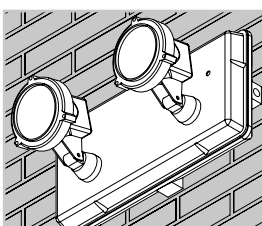
P101285



Ready for installation outside: IP65.
Robust: IK07.

4. Just one set

P101279



The spotlight includes a mount for upright installation.

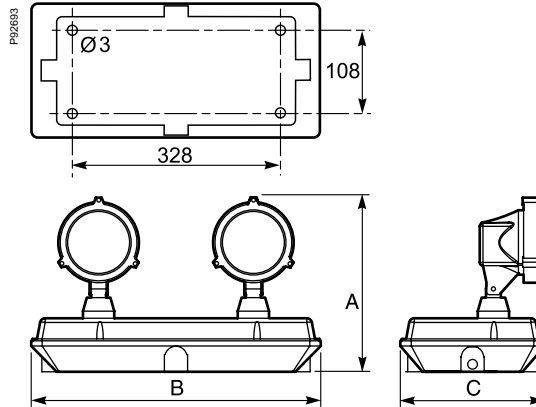
P93018



Technical Specifications

- Provided with 2 searchlights with halogen bulbs with high lighting performance (up to 1050 lm)
- The searchlights rotate on their axis from 90° to 45° for pointing in any direction
- Non-maintained emergency luminaire
- Compliant with EN 60598-2-22 standard
- Can be inhibited with rest mode via Teleur range of remote controls
- Protection rating: IP65, IK07
- Insulation 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

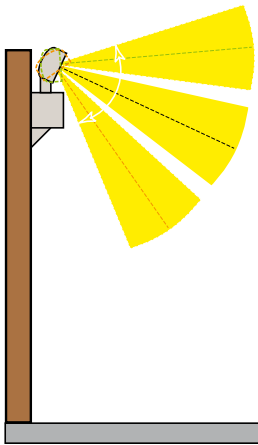
Dimensions



		Dimensions (mm)		
		A	B	C
2 x 10 W	200 lm	297	400	168
2 x 20 W	400 lm	297	400	168
2 x 50 W	1050 lm	280	440	230

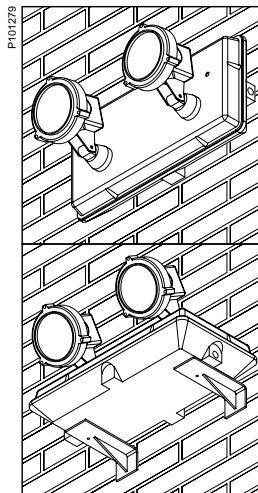
CE

P92728



The search lights are vertically and horizontally adjustable.


Installation methods





Wall (vertically)
(installation without accessories)

Wall (horizontally)
(installation with support non provided)

Product catalogue numbers

Guardian	Protection rating		Autonomy (h)	Average flux (lm)	Lamp rated power (W)	socket	Consumption (VA)	Pb battery		Weight (kg)	Cat. no.
	IP65	IK07		200	2 x 10	G4	30	6.0 V	7.2 Ah		
Non-maintained											
	IP65	IK07	1	200	2 x 10	G4	30	6.0 V	7.2 Ah	3.40	OVA41437E
				400	2 x 20	G4	27	12 V	7.2 Ah	4.60	OVA41435E
				1050	2 x 50	GY6.35	37	2 x 12 V	7.2 Ah	7.50	OVA41436E

Accessory catalogue numbers

	Compatibility	Dimensions (mm) height x width x depth	Cat. no.
Protective grid (2 parts) 	All models	118 x 118 x 20	OVA50342E
Teleur remote control 	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

	Compatibility	Description	Cat. no.
Lamps 	OVA41437E	6 V, 10 W	OVA51002E
	OVA41435E	12 V, 20 W	OVA51003E
	OVA41436E	12 V, 50 W	OVA51004E
Batteries (Pb) 	OVA41437E	6 V, 7.2 Ah	OVA51025E
	OVA41435E, OVA41436E	12 V, 7.2 Ah	OVA51024E

Emergency exit signs



Presentation

Guide the public simply and effectively!

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

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



P89737-32



Hospital, school, etc.

P89736-32



Hotel, office, etc.

P101280



Airport, shopping mall, railway station hall, etc.



> 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, Lys and Esy are self-test solutions:

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




" Zoom on "

Teleur remote control: small gesture, big benefits!

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

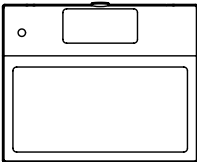
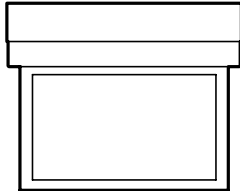
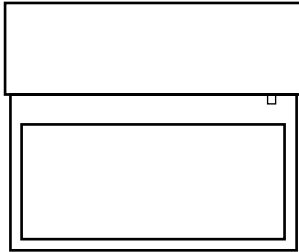
- Battery endurance is preserved. Even after long periods of inactivity.
- Longer service life of batteries: proof discharge is avoided.
- High availability and efficiency when building is open.
- Emergency light devices can be switch on or off during maintenance operations (tests of light source and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



	Astro Guida	Quick Signal	Lys
			

Technical specifications			
Self-diagnosis	■	■	■
Protection rating	IP42, IK06	IP40, IK07	IP42, IK07
Visibility distance	24 m	28 m	25 m
Light source	Cold cathode (40,000 h)	LED (> 10 years)	LED (80,000 h)
Consumption	10 VA	4.5 VA	4.49 VA

Installation methods			
Wall	■	■	■
Ceiling	■	■	■
False ceiling		■	■
Hanging	■	■	
Electrified track	■		
Flag type bracket	■	■	■

Dimensions (mm) - h x w x (d)			
<p>The drawings are scale drawings</p>	<p>213 x 261 x (35)</p> 	<p>235 x 290 x (60)</p> 	<p>245.2 x 305 x (50)</p> 

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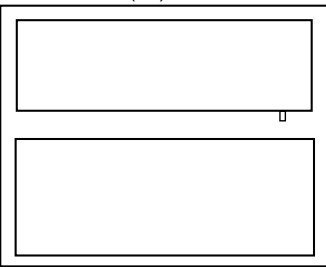
Esy

P122072



- IP42, IK07
- 21 m
- Cold cathode (40,000 h)
- 10 VA

P107203 206.2 x 338 x (50)



52

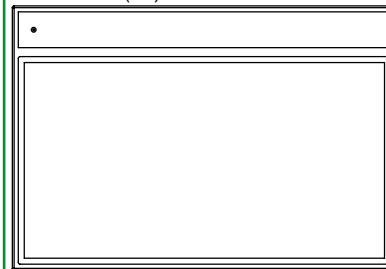
Maxi Slim

P98689

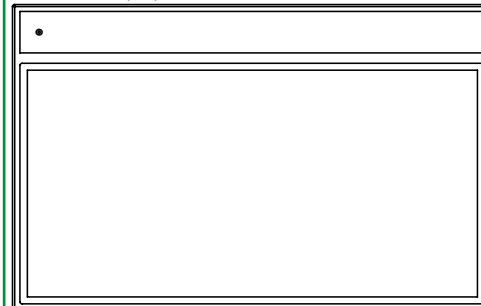


- IP40
- 60 or 80 m
- Cold cathode (40,000 h)
- 15 VA

P98676 Visibility: 60 m
443 x 644 x (80)



P106364 Visibility: 80 m
523 x 804 x (80)



54

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.

1. Practical installation



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



Removable cover for easy connection.



Personalization with easy to apply adhesive pictograms.

2. Self-diagnosis



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





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

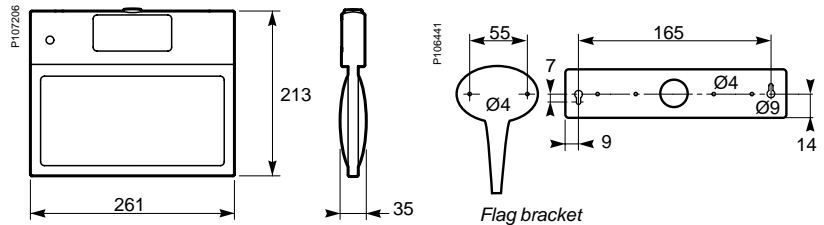


CE

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

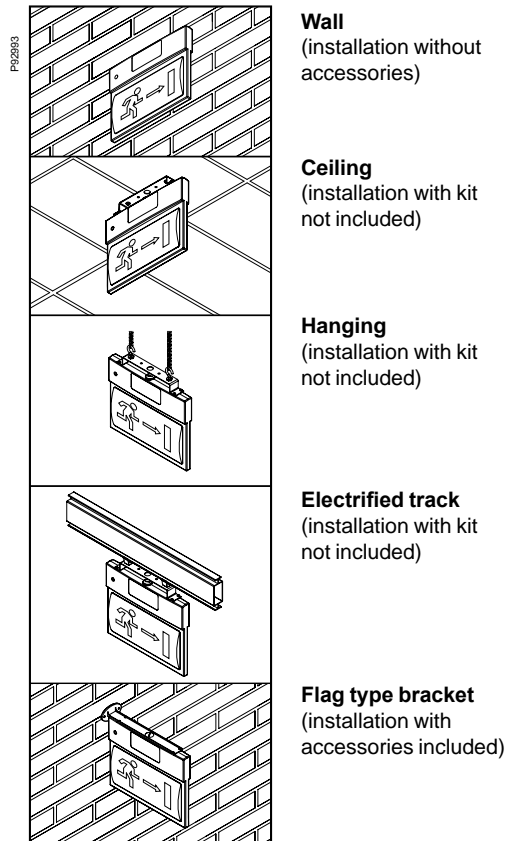


P93013



Astro Guida with accessories included.

Installation methods



Wall
(installation without accessories)

Ceiling
(installation with kit not included)

Hanging
(installation with kit not included)

Electrified track
(installation with kit not included)


Flag type bracket
(installation with accessories included)

P92992








Installation with flag type bracket (included).


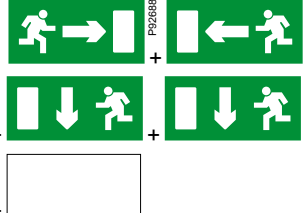
Emergency exit sign catalogue numbers

Astro Guida screens included	Visibility (m)	Autonomy (h)	Consumption (VA)	Ni-Cd battery		Weight (kg)	Cat. no.
	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 	All models		OVA50356E
Protective grid IK10 	All models	248 x 296 x 53	OVA50357E
Teleur remote control 	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			
		116 x 229	OVA50281E
		116 x 229	OVA50282E

Spare parts catalogue numbers

	Cat. no.
Flag bracket 	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

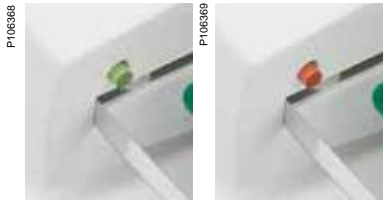


Wiring inlet box for easy connection of the removable connector.



Wiring inlet box for easy connection of the removable connector.

2. Self-diagnosis



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

3. Clip-on pictograms

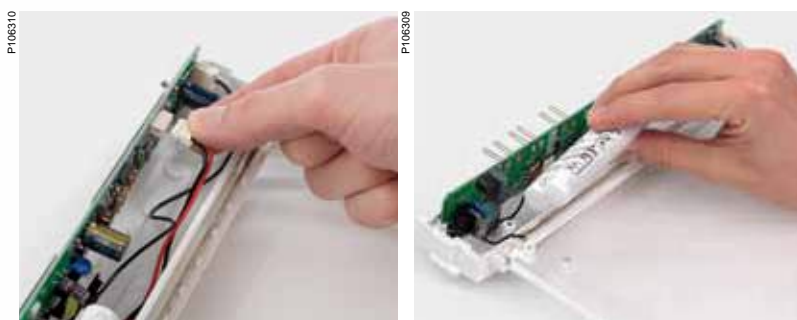


A most attractive result. The pictograms do not stick to the light fitting's methacrylate but clip onto it.





4. Easy maintenance



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

5. LED lighting



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

* Typical Temp: 25°C

6. Reliable connection



Removable connector with identification to prevent incorrect connection.

Quick Signal (cont.)

Self-diagnosis version (Activa), IP40, IK07

Standard version IP40, IK07

P93180



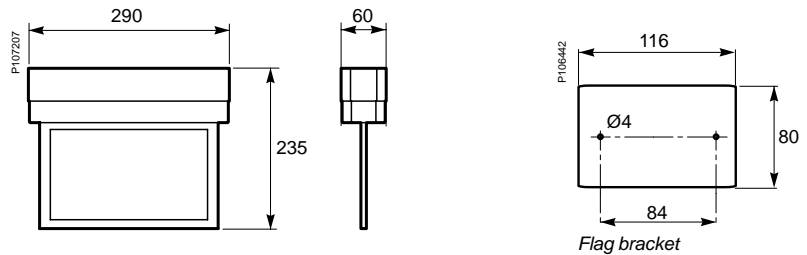
CE

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



Installation methods

P92586



P93010

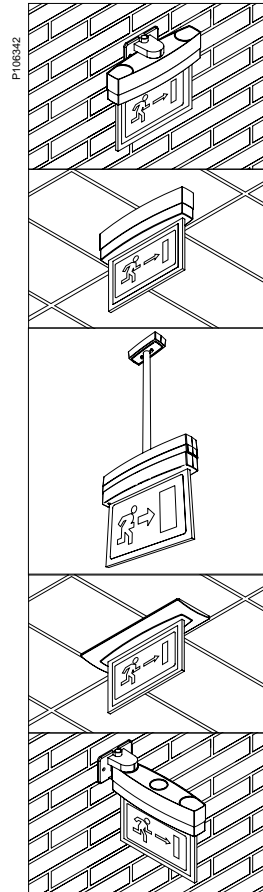


Quick fix installation with wall / flag type bracket (included).

P110252



Installation with false ceiling mounting kit (not included).



Wall
(installation with accessories included)


Ceiling
(installation without accessories)

Hanging
(installation with kit not included)








False ceiling
(installation with kit not included)

Flag type bracket
(installation with accessories included)

Emergency exit sign catalogue numbers

Quick Signal screens not included	Visibility (m)	Autonomy (h)	Consumption (VA)	Ni-Cd battery	Weight (kg)	Cat. no.
	Self-diagnosis version					
	Maintained					
	28	1	8.5	4.8 V	0.6 Ah	0.80
	Standard version					
	Maintained					
	28	1	8.5	4.8 V	0.6 Ah	0.80
	3	8.5	4.8 V	1.5 Ah	0.90	



Exit sign screen catalogue numbers

	Dimensions (mm) height x width	Cat. no.
For 1 side signalling		
	232 x 135	OVA50319E
	232 x 135	OVA50320E
	232 x 135	OVA50321E
For 2 sides signalling		
	232 x 135	OVA50322E
	232 x 135	OVA50323E
For 1 or 2 sides signalling		
	232 x 135	OVA50324E
	232 x 135	OVA50325E

Accessory catalogue numbers

	Compatibility	Dimensions (mm) height x width x depth	Cat. no.
False ceiling mounting kit 	All models	97 x 324 x 85	OVA50318E
Hanging kit 	All models		OVA50314E
Teleur remote control 	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) 	4.8 V, 0.6 Ah	OVA38504E, OVA38506E	OVA51014E
	4.8 V, 1.5 Ah	OVA38505E	OVA51015E
Wall / flag type bracket 		All models	OVA50316E

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

A lacquered metal
base with

Esy

an enveloping screen

P122863



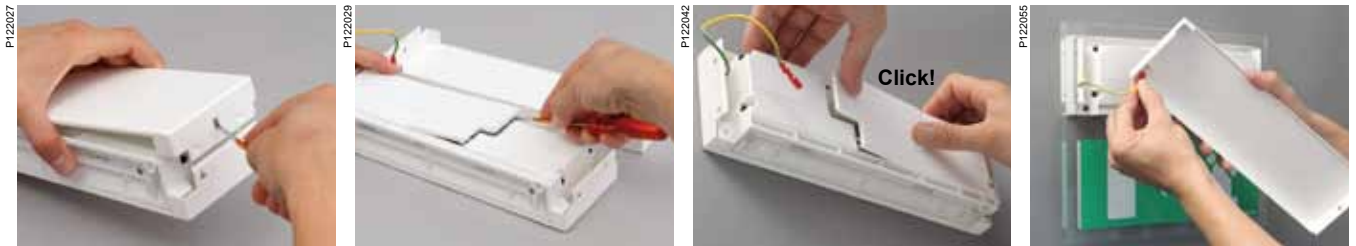
Lys

a flush screen

P122225

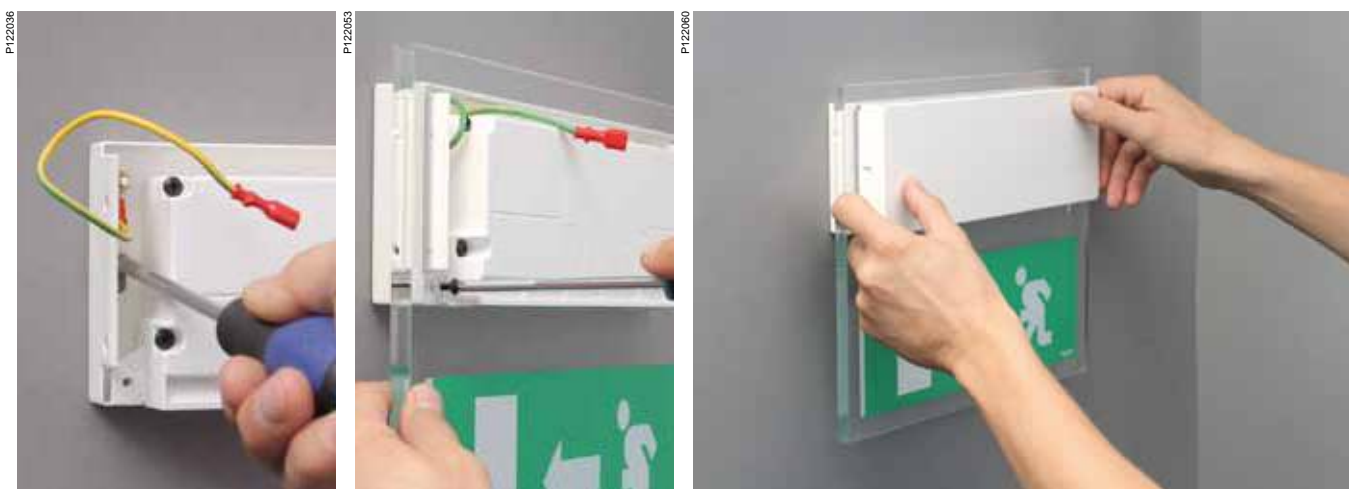


A metal base with no visible mounting screws



Fast clip-on opening and closing.

Comfortable, fast installation



The screen can be fitted after work completion to prevent any damage.

Refinement and sobriety for modern and classical atmospheres





Lys-W, wall mounted



Lys-FL, flag mounted



Lys-F, flush mounted



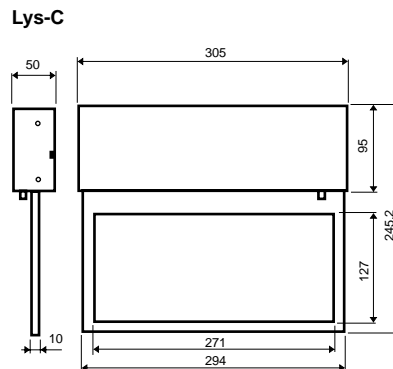
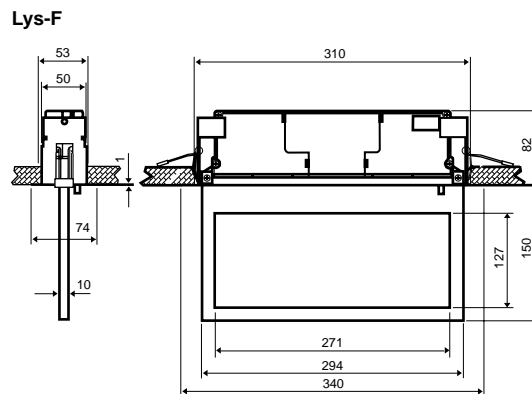
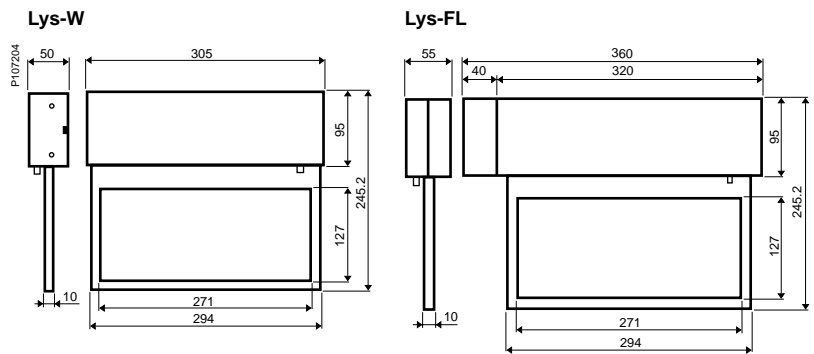
Lys-C, hanging







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 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.

Dimensions




Product catalogue numbers

Lys without screen		Visibility (m)	Autonomy (h)	Consumption		Ni-Cd battery		Weight (kg)	Cat. no.
				(VA)	(W)				
 P122225	Lys-W	25	Maintained / non-maintained (depending on the wiring)						
			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
 P122227	Lys-FL	25	Maintained / non-maintained (depending on the wiring)						
			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
 P122226	Lys-F	25	Maintained / non-maintained (depending on the wiring)						
			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
 P122228	Lys-C	25	Maintained / non-maintained (depending on the wiring)						
			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		Dimensions (mm) (H x W)	Cat. no.	
ISO for 1 side signalling				
 P122223		127 x 271	OVA53048	
 P122222		127 x 271	OVA53047	
 P122221		127 x 271	OVA53046	
ISO for 2 sides signalling				
	+		127 x 271	OVA53050
	+		127 x 271	OVA53049

Accessory catalogue numbers

		Compatibility	Dimensions (mm) height x width x depth	Cat. no.
 P83007	Teleur remote control	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



Esy-W, wall mounted
CE

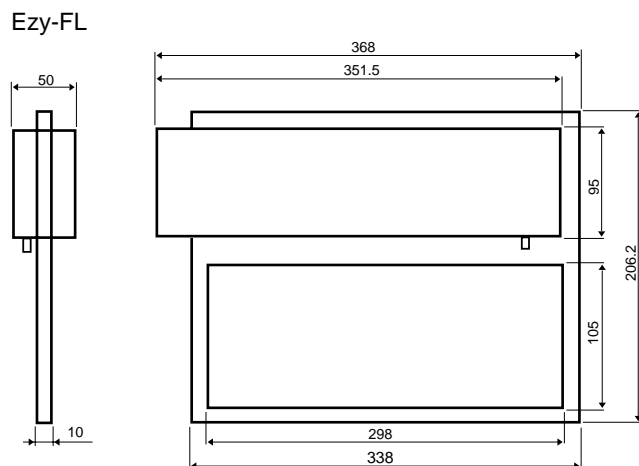
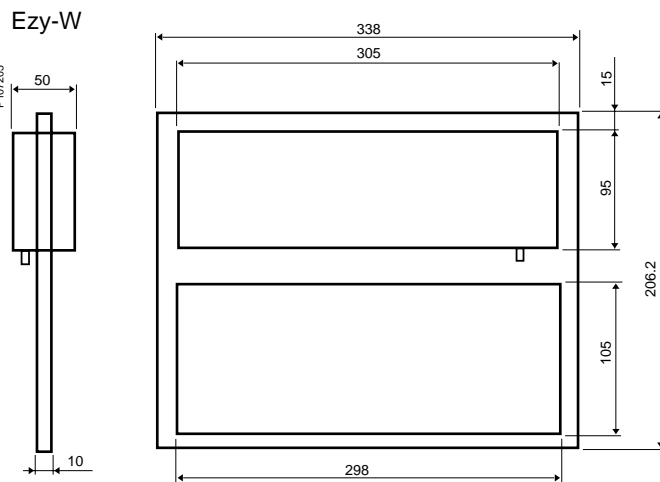


Esy-FL, flag mounted
CE









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
- Polymethacrylate (PMMA) screen
- Lamp body in epoxy powder coated steel
- Visibility distance of the sign in compliance with the new EN 1838 standard: 21 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 or flag mounted
- Single-faced and double-faced signalling screens.


Dimensions



Product catalogue numbers

Esy without screen		Visibility (m)	Autonomy (h)	Consumption (VA)	Ni-Cd battery		Weight (kg)	Cat. no.		
 P120608	Esy-W	Maintained / non-maintained (depending on the wiring)								
		21	1	10	4.8 V	1.5 Ah	1.2	OVA38087		
			3	10	4.8 V	2.2 Ah	1.2	OVA38088		
 P120607	Esy-FL	Maintained / non-maintained (depending on the wiring)								
		21	1	10	4.8 V	1.5 Ah	1.5	OVA38085		
			3	10	4.8 V	2.2 Ah	1.5	OVA38086		
Screens for all Esy versions								Cat. no.		
 P122075	For 1 side signalling									
	 P92689								OVA53053	
		 P92688								OVA53052
			 P92687							
	For 1 sides signalling									
								OVA53055		
							OVA53054			

Accessory catalogue numbers

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

Visible from quite a distance.

Used for 60 or 80 metre visibility distances.



P101290

P103016



1. High technology light source



P101296

Cold cathode light source.

2. Wall or ceiling mounting



P101291

Easy to adapt without the help of accessories.



3. Easy to adapt

P103277



P103017



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

P1030018



Protection grid.

Maxi Slim (cont.)

Standard version IP40, 60/80 m visibility

P18689

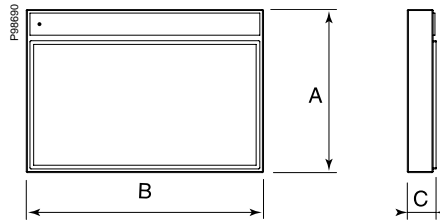


CE

Technical specifications

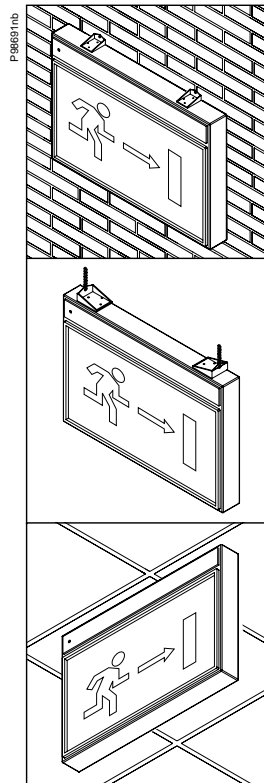
- Visibility distance of the sign in compliance with the new EN 1838 standard: 60 m for M60 and 80 m for M80.
- Cold cathode light source (working life of 40,000 h)
- Ni-Cd battery for high efficiency applications
- Compliant with EN 60598-2-22 standard
- Emergency exit sign operating in maintained mode
- 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



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

Installation methods




Wall
(installation without accessories)











Hanging
(chain not included)

Ceiling
(installation without accessories)



Emergency exit sign catalogue numbers

Maxi Slim screens not included		Model	Visibility (m)	Autonomy (h)	Consumption (VA)	Ni-Cd battery		Weight (kg)	Cat. no.
	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	M80		
For 1 side signalling					
	+		OVA53000E	OVA53005E	
		+		OVA53001E	OVA53006E
		+			OVA53002E
For 2 sides signalling					
	+		OVA53003E	OVA53008E	
	+		OVA53004E	OVA53009E	

Accessory catalogue numbers

		Compatibility	Dimensions (mm) height x width x depth	Cat. no.
Protective grids 	M60		550 x 680 x 100	OVA53010E
	M80		630 x 840 x 100	OVA53011E
Teleur remote control 	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 	6.5 W		OVA38072E, OVA38073E	OVA51034E
	7.5 W		OVA38074E, OVA38075E	OVA51035E
Ni-Cd batteries 	6.0 V, 1.5 Ah		OVA38072E, OVA38073E	OVA51019E
	6.0 V, 4.0 Ah		OVA38074E, OVA38075E	OVA51039E

Conversion kits



Presentation

Convert ordinary fluorescent tubes into self-contained emergency luminaries

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

2 mains benefits for buildings' occupants

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

P101573-35



Office, corridor, clean room, etc.

P101314-35



Workshop, factory, etc.

P00841-40



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.



P101288-23



P101289-20



Range overview

	Evx Ferro	Evx Power
		
Technical specifications		
Suitable for fluorescent tubes up to	58 W	70 W
Duration	1 h minimum	3 h minimum
Compatibility with ballast	electromagnetic	■
	electronic	■
Can be inhibited with rest mode via remote control	■	■
Page	60	62

Warning: trained personnel must be used to install these products

Evx Ferro

Standard version

PF03022



CE

Technical specifications

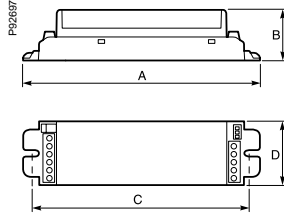
- Warning: Trained personnel must be used to install these products
- Suitable for fluorescent tubes up to 58 W
- Compatible only with electromagnetic ballasts
- Screw terminals
- Compliant with EN 61347-2-7 standard
- Can be inhibited with rest mode via remote control
- Fire behaviour (EN 60695-2-10), 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

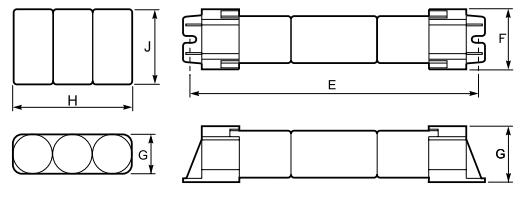
(1) In emergency mode, the luminaire powered by the kit provides a percentage of its nominal flux (typically around 10 %).

Dimensions

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				
	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 in line 2 Ah	OVA43102E, OVA43105E
		side by side	OVA43101E
	3.6 V in line 4 Ah	OVA43104E, OVA43106E	OVA51028E
		side by side	OVA43103E
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)	OVA50325E
		All models (for 500 luminaires)	OVA50326E

P83023



CE

P83024



Quick-disconnect terminal strips.

Technical specifications

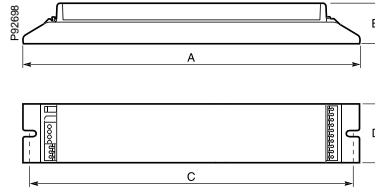
- Warning: Trained personnel must be used to install these products
- Suitable for fluorescent tubes up to 70 W
- Fully compatible with both electromagnetic and electronic ballasts
- Quick-connect terminal strips
- Compliant with EN 61347-2-7 standard
- Can be inhibited with rest mode via remote control
- Fire behaviour (EN 60695-2-10), incandescent wire: 850°C
- Class II
- Power supply: 230/240 V, 50/60 Hz ± 10%
- Mains presence indicator (LED)
- Ni-Cd battery, in line
- Complete recharge in 24 h

Tubes		% emergency flux ⁽¹⁾ and duration according to the conversion kit			
Socket	Lamp	OVA43107E	OVA43108E	OVA43109E	
G5	8 W	10% / 6 h	-	-	
	14 W	FHE T5	10.7% / 4 h	12.1% / 5 h	10% / 6 h
		T5 GE	-	12% / 5 h	-
	21 W	FHE T5	12.3% / 3 h	13.8% / 3 h 30	14.7% / 4 h
		T5 GE	11.4% / 3 h	-	-
	24 W	FHO T5	5.8% / 4 h	7% / 4 h	7% / 5 h
	28 W	FHE T5	-	-	15% / 3 h
		T5 GE	-	-	16% / 3 h
39 W	FHO T5	-	6.9% / 3 h	6.6% / 4 h	
54 W	FHO T5	-	-	6.6% / 3 h	
G13	18 W	-	6.1% / 4 h	6.6% / 4 h	
	Philips		6% / 4 h	-	
	36 W		5% / 3 h	6.9% / 3 h	
	58 W		-	5.1% / 3 h	
70 W		-	-	5.6% / 3 h	
G10q	22 W		5% / 4 h	5.5% / 4 h 30	
	32 W		4.8% / 3 h	5.8% / 4 h	
	40 W		-	6.3% / 3 h	
2GX13	22 W	Philips	6% / 3 h 30	-	
	40 W		-	8% / 4 h	
GR10q	10 W		11% / 4 h 30	13% / 5 h	
	16 W		11% / 4 h	13.7% / 4 h	
	28 W		6.7% / 3 h	7.1% / 4 h	8.9% / 4 h
		GE	5.8% / 3 h 30	-	-
	38 W		-	5% / 3 h 30	7% / 4 h
		GE	-	5.3% / 3 h 30	-
	55 W		-	3% / 3 h	4% / 3 h 30
G24q	10 W		9% / 5 h	12% / 6 h	
	13 W		10.7% / 4 h	14.6% / 5 h	
	18 W		7.7% / 4 h	9.4% / 4 h	
	26 W		6.5% / 3 h 30	8% / 4 h	
Gx24q	18 W		7.7% / 4 h	9.4% / 4 h	
	26 W		5.7% / 3 h	-	
	32 W		5.6% / 3 h	7.8% / 3 h 30	
	42 W		-	7.4% / 3 h	
2G7	7 W		12.4% / 6 h 30	-	
	9 W		10.5% / 5 h	13.3% / 6 h	
	11 W		13% / 4 h	16.4% / 5 h	
2G10	18 W		4.4% / 4 h	-	
	24 W		4.5% / 4 h	5.8% / 4 h	
	36 W		4.4% / 3 h	4.7% / 4 h	
2G11	18 W		4% / 4 h	-	
	24 W		5.8% / 4 h	6.3% / 4 h	
	36 W		5% / 3 h	5.3% / 3 h 30	
		Philips	4.2% / 3 h	-	
	40 W		-	7% / 3 h	
		Philips	-	6.1% / 3 h	
	GE	-	4.3% / 3 h		
55 W		-	4.9% / 3 h		

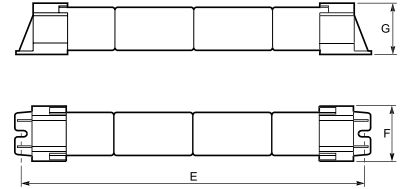
(1) In emergency mode, the luminaire powered by the kit provides a percentage of its nominal flux (typically around 10 %).

Dimensions

Circuit



Batteries



Model	Dimensions (mm)						
	Circuit			Battery			
	A	B	C	D	E	F	G
OVA43107E	230	28	220	40	210	39	35
OVA43108E	230	28	220	40	275	39	35
OVA43109E	230	28	220	40	332	39	35

Conversion kits

Evx Power	Mains load (VA)	Ni-Cd battery in line		Weight (kg)	Cat. no.
		Maintained	non-maintained		
	5.5	3.6 V	4.5 Ah	0.63	OVA43107E
	6	4.8 V	4.5 Ah	0.76	OVA43108E
	6.5	6.0 V	4.5 Ah	0.85	OVA43109E

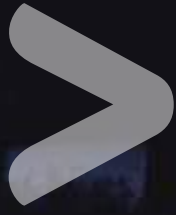
Spare parts catalogue numbers

		Compatibility	Cat. no.
Ni-Cd batteries 	P101284	3.6 V - 4.5 Ah	OVA43107E OVA51030E
		4.8 V - 4.5 Ah	OVA43108E OVA51031E
		6.0 V - 4.5 Ah	OVA43109E OVA51032E
LED 	P101301	All models	OVA51033E

Accessory catalogue numbers

		Compatibility	Dimensions (mm) height x width x depth	Cat. no.
Teleur remote control 	P83007	All models (for 100 luminaires)	102 x 77 x 81 4.5 mod. of 18 mm	OVA50325E
		All models (for 500 luminaires)	90 x 71 x 60 4 mod. of 18 mm	OVA50326E

Portable emergency lamps



Presentation

More than a simple portable lamp!

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

P101310-22



Guarding, security applications, etc.

P101309-15



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

P101308-40



Police, fire fighters, etc.

Emergency solution

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

User-friendliness

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

P101312-20



Revolving light function

P101311-15



Lantern function

P101312-20



Emergency lighting function

Range overview

	Top 4	Toplux	Jodiolux	
	 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 1300 lux at 2 m
	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 4 lux at 1 m
Consumption	10 VA	10 VA	6.5 VA	
Battery	Pb	Pb	Ni-Cd	
Page	68	69	70	

High quality lamps.

1. Automatic lighting

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

2. Direct recharging from the mains

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

3. Optional charger

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

Jodiolux

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



Top 4

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



4. Double indication



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

5. Ergonomic



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

6. Directable



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

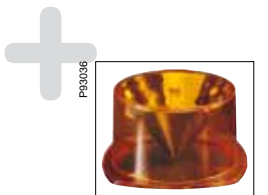
7. Variety of tones



Different coloured filters included with each model.

Toplux

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



Anti-fog diffuser (Toplux and Top 4)





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Lamp and 4 colour filters (included).

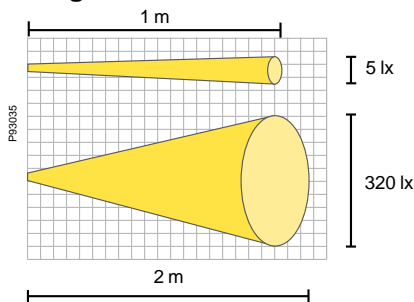
Presentation

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

Technical Specifications

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




Diagram






Product catalogue numbers

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

Accessory catalogue numbers

	Cat. no.
Lamp supports P38163  <p>These accessories are made of painted steel and are useful for fixing the portable lamps to the wall, on motor vehicles, boats, etc., to place units in a handy position.</p>	OVA50360E
Diffuser signaller P39306  <p>Manufactured to solve the problem of circular signalling, this diffuser is used with Top 4 flashing lamps. It is suitable for use in case of fog, danger, etc. and can be used where 360° lighting is needed. Ideal for fire brigades, construction yards, police, boats, rescue applications, etc.</p>	OVA50315E
Charger P39159  <p>This is used to recharge the portable emergency lamps from 12/24 V DC. Maximum output power: 10 VA (excluding capacitive loads). Output voltage: 220 V, 50 Hz. Dimensions: 65 x 95 x 100 mm.</p>	OVA50358E

Spare parts catalogue numbers

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

Toplux IP55

P93001



CE

P93002



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

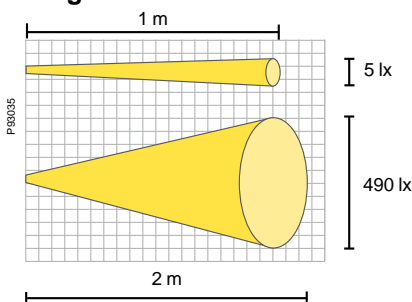
Presentation

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

Technical Specifications

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

Diagram






Product catalogue numbers

Rated power, type and autonomy		Consumption (VA)	Battery		Weight (kg)	Cat. no.
main lamp	auxiliary lamp					
10 W - halogen - 1 h 30	1.5 W - incandescent - 15 h	10	Pb 6 V	4 Ah	2.0	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		
	6 V - 4 Ah - Pb	OVA51023E
	6 V - 7 Ah - Ni-Cd	OVA51036E
Lamps		
	halogen - 6 V - 10 W	OVA51002E
	6 V - 1.5 W	OVA51000E

Accessory catalogue numbers

		Cat. no.
Lamp supports	 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	 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	 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

P930033



CE

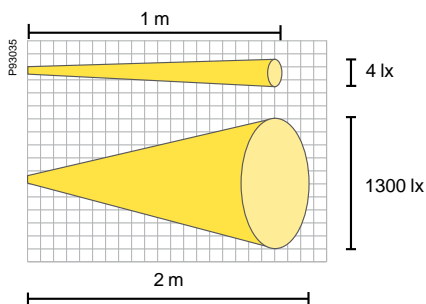
Presentation

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

Technical Specifications

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



Diagram



Product catalogue numbers

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



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



Presentation

Small gesture, big benefits!

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

Never a simple remote control has brought so many benefits.



Gymnasium, auditorium, etc.



Shop, office, etc.



School, etc.

➤ Maximum autonomy

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

Longer service life

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

Safe

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

Teleur

PS3007



Teleur



PS3008



Teleur 500



Presentation

The remote control is used mainly to inhibit emergency operation. The emergency lights and escape route fittings can be switched off when the mains power is off (e.g. when the building is not occupied). It is also used during maintenance operations to switch the emergency light devices on or off.

When the mains power is restored, the emergency lights and escape route fittings are automatically reset. They are ready to operate in the event of another black-out. Safety conditions are fully complied with in the building.

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	90
	width	71
	depth	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



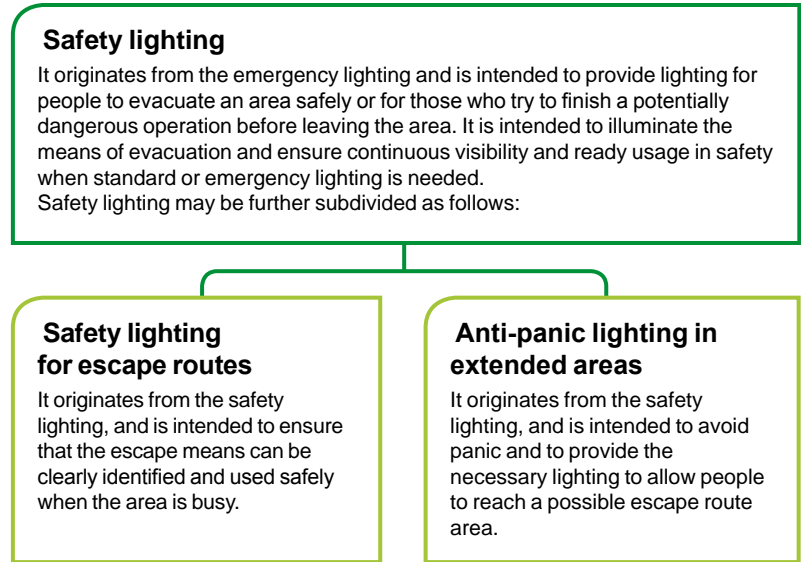
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Emergency lighting and other systems

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

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



Safety lighting

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

Safety lighting may be further subdivided as follows:

Safety lighting for escape routes

It originates from the safety lighting, and is intended to ensure that the escape means 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.

Design

Presentation, standards

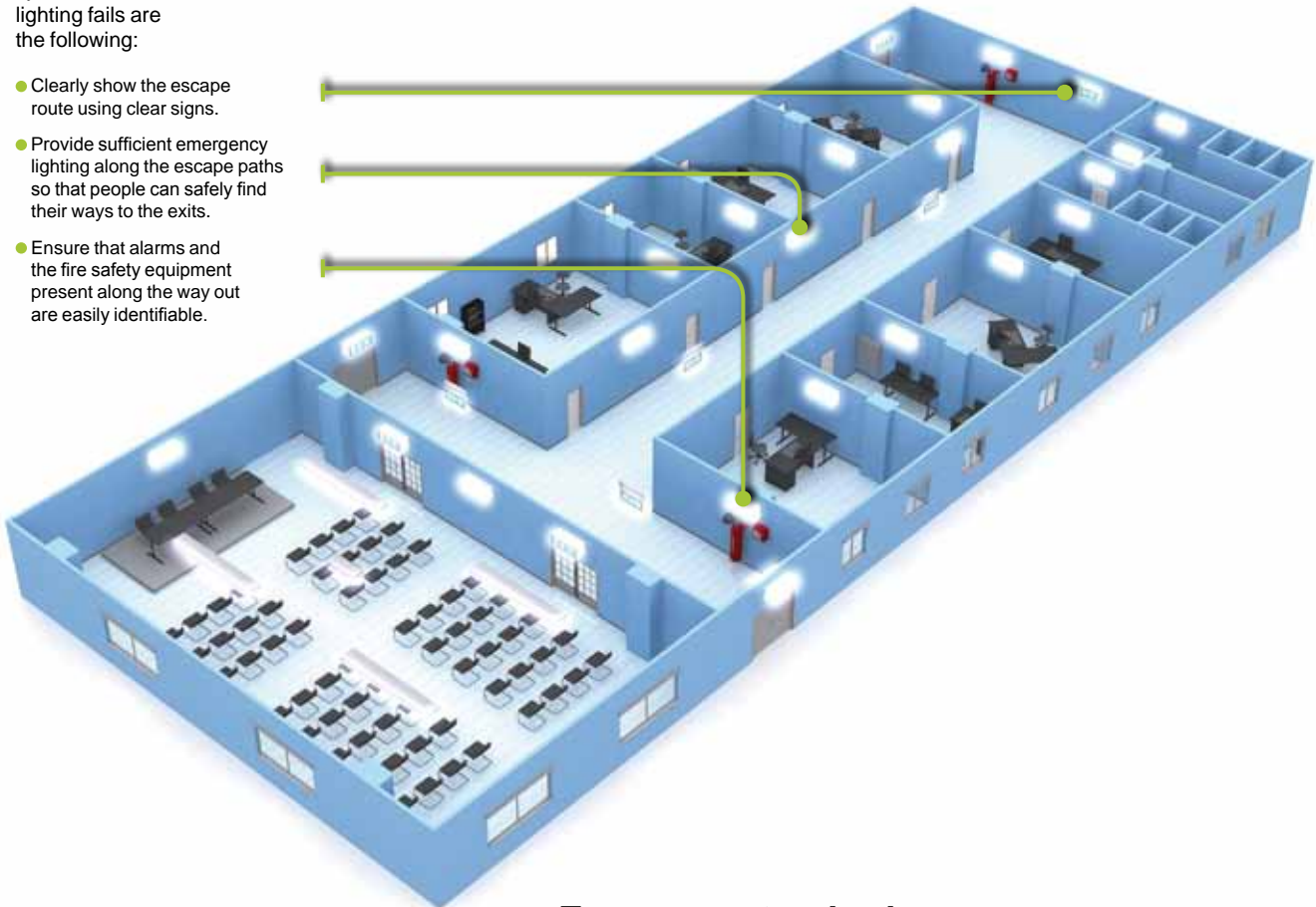
Introduction

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

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

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

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



P30161

European standards

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

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

EN 1838

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

CEN and CENELEC standards

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

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

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

The lighting design

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

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

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

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

Design stages

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

> Stage 1

Install the luminaires and the safety signs where necessary

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



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



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



Near and immediately outside each exit.



Near the stairs so that each step receives direct light.



At each point where there is a change of direction.



Near every first-aid zone.



Near every change in floor level.



At every corridor intersection.



Near every fire safety device and call point.

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P92088



P92089



The most common format.

> Stage 2

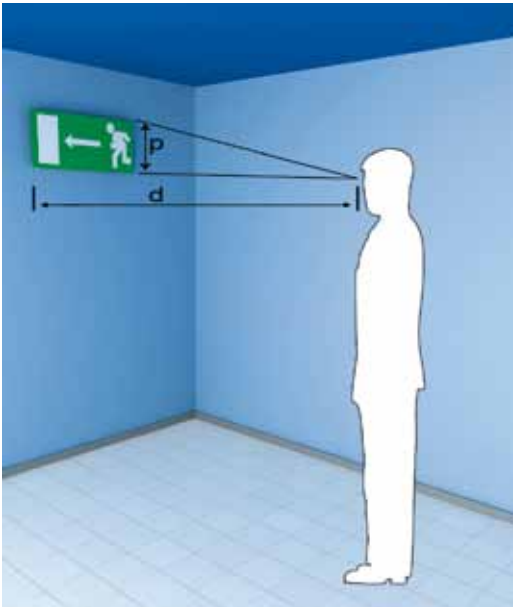
Safety signs for escape routes

- 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").

Maximum viewing distance

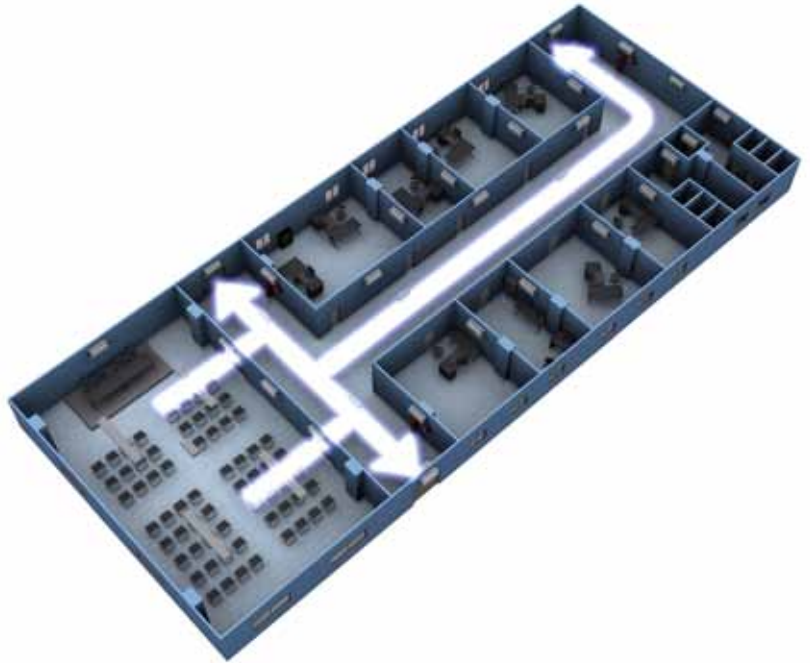
- It is important to ensure that the signs which mark the escape routes are visible from all sides. This depends on the size of the sign as well as its position.
- To this end, the regulations provide the following formula: $d = s \times p$, where:
 - "d" is the maximum viewing distance
 - "p" is the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

P93166



Typical example of measuring position.

P93162

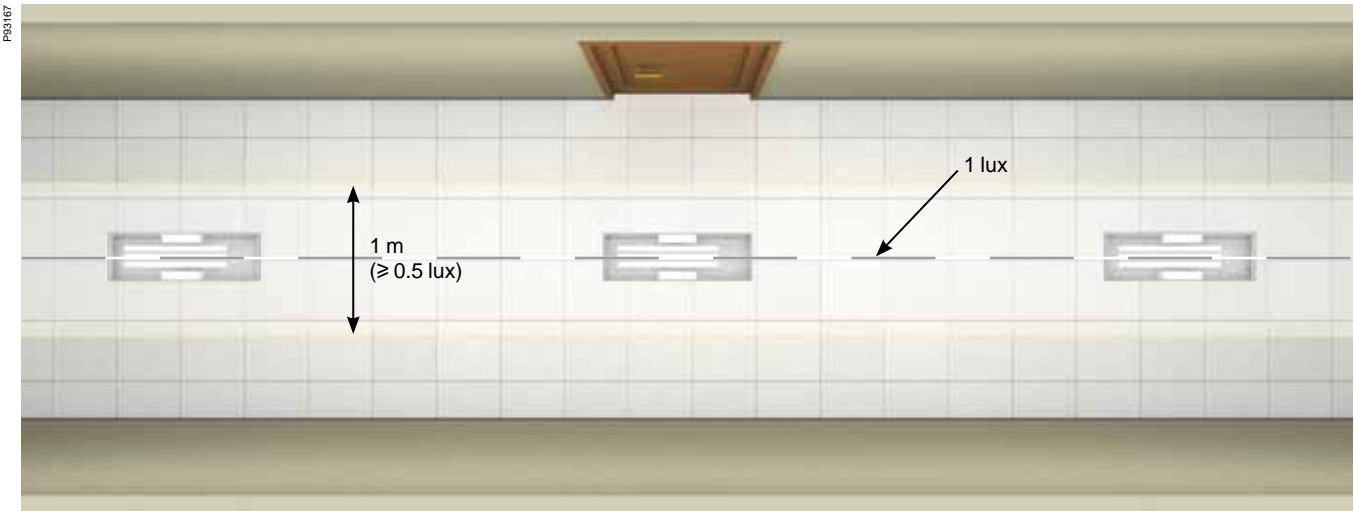


> Stage 3

Safety lighting for escape routes

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

Example: 2 m wide corridor.



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

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

> Stage 4

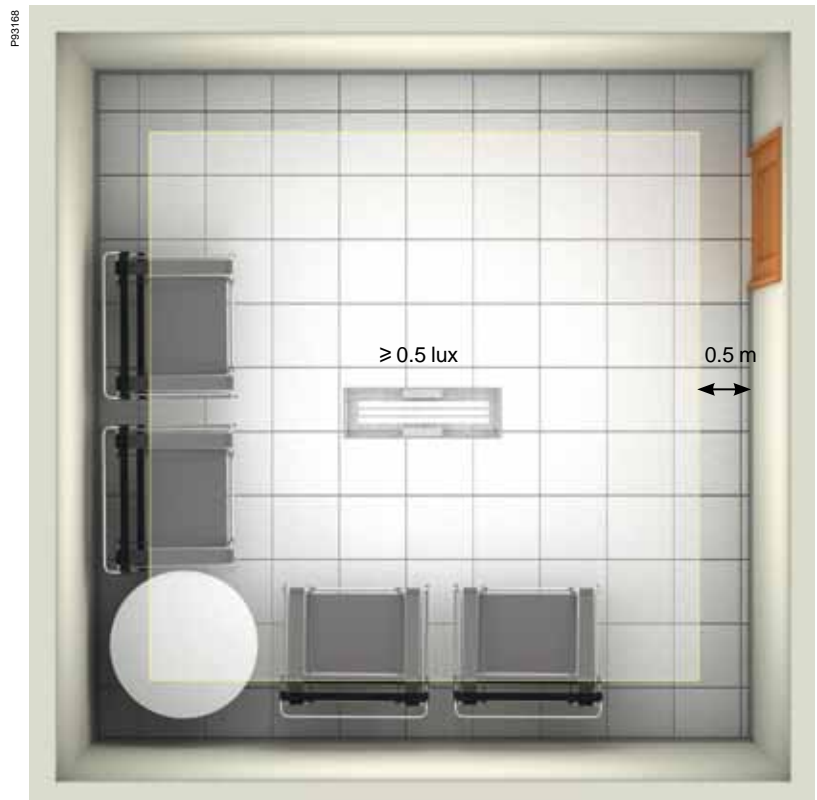
Anti-panic area lighting

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

> Stage 5

Place the luminaires in the important locations in the building

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



Light in anti-panic areas.

Information concerning emergency lighting system types

Standard self-contained luminaire system

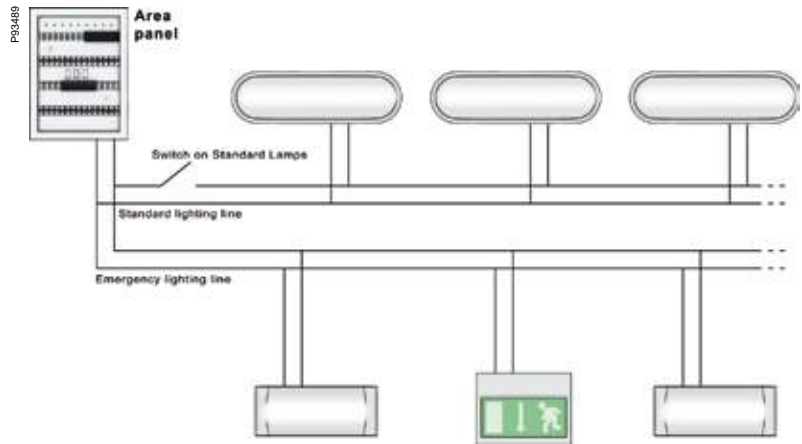
luminaire system

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

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

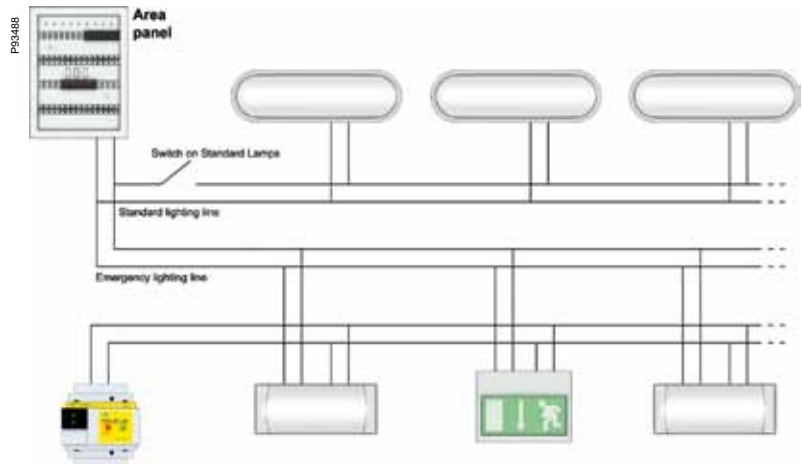
Self-contained luminaire systems

- 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.



Typical connection diagram

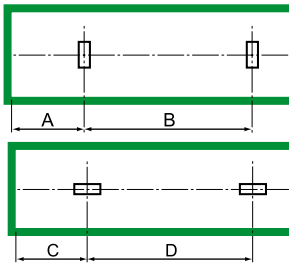
Connection must be made to an uninterrupted supply line taken from the electrical power supply local circuit.



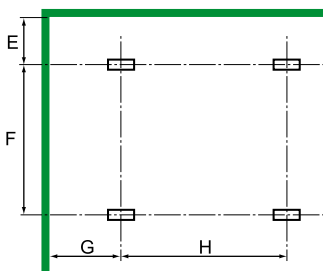
Connection diagram with emergency inhibition.

P106443

Escape routes



Open (Anti-Panic) areas



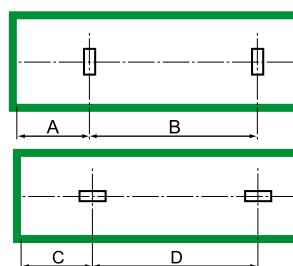
A and E: Transversal spacing to wall
 B and F: Transversal spacing between luminaires
 C and G: Axial spacing to wall
 D and H: Axial spacing between luminaires

Rilux

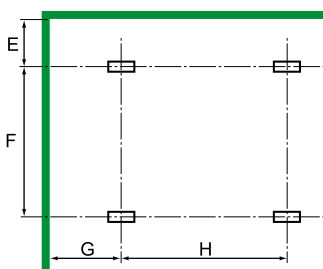
Catalog number	Installation height for ceiling mounting (m)	Lux level directly under luminaires (lux)	Escape routes 1 Lux min. Along centre line				Open (Anti-Panic) areas 0.5 Lux min. Luminaires arranged in a regular array			
			A (m)	B (m)	C (m)	D (m)	E (m)	F (m)	G (m)	H (m)
OVA37066E	2	5.1	2.36	6.04	2.18	5.74	2.70	6.36	2.53	5.87
	2.5	3.31	2.46	6.49	2.21	6.07	2.90	6.98	2.66	6.49
	3	2.30	2.34	6.81	2.12	6.24	2.97	7.64	2.74	7.13
	3.5	1.69	2.08	6.91	1.90	6.25	2.97	8.18	2.76	7.58
	4	1.29	1.60	6.80	1.48	6.14	2.88	8.62	2.70	7.87
OVA37067E	2	6.80	2.51	6.56	2.45	6.25	2.82	6.08	2.75	5.78
	2.5	4.35	2.66	6.98	2.54	6.73	3.01	7.36	2.90	7.04
	3	3.02	2.70	7.35	2.52	7.03	3.19	7.88	3.00	7.63
	3.5	2.22	2.54	7.61	2.41	7.15	3.25	8.35	3.10	8.17
	4	1.70	2.29	7.66	2.19	7.17	3.26	8.93	3.15	8.60
	5	1.09	1.04	7.27	1.09	6.81	2.94	9.81	3.05	9.29
OVA37068E	2	13.23	3.20	8.26	3.17	7.81	3.45	4.93	3.42	4.77
	2.5	8.47	3.38	8.93	3.41	8.53	3.67	5.50	3.70	5.40
	3	5.88	3.51	9.47	3.58	9.11	3.90	5.76	3.96	5.60
	3.5	4.32	3.62	9.96	3.69	9.59	4.10	6.12	4.17	5.96
	4	3.31	3.67	10.25	3.73	9.97	4.25	6.70	4.32	6.54
	5	2.12	3.50	10.78	3.60	10.45	4.44	7.85	4.55	7.82
	6	1.47	2.89	10.87	3.12	10.57	4.40	8.99	4.71	9.05
OVA37069E	2	13.23	3.20	8.26	3.17	7.81	3.45	4.93	3.42	4.77
	2.5	8.47	3.38	8.93	3.41	8.53	3.67	5.50	3.70	5.40
	3	5.88	3.51	9.47	3.58	9.11	3.90	5.76	3.96	5.60
	3.5	4.32	3.62	9.96	3.69	9.59	4.10	6.12	4.17	5.96
	4	3.31	3.67	10.25	3.73	9.97	4.25	6.70	4.32	6.54
OVA37070E	2	20.18	3.65	9.09	3.57	8.53	3.71	7.58	3.64	7.18
	2.5	12.92	3.96	9.98	3.85	9.46	4.02	9.77	3.92	9.32
	3	8.97	4.17	10.66	4.09	10.14	4.28	8.78	4.21	8.39
	3.5	6.59	4.28	11.26	4.25	10.73	4.48	9.32	4.44	8.92
	4	5.05	4.40	11.64	4.37	11.17	4.67	9.84	4.64	9.54
	5	3.23	4.50	12.30	4.46	11.87	4.96	12.45	4.93	12.00
	6	2.24	4.36	12.81	4.32	12.32	5.15	13.22	5.11	12.88
	7	1.65	3.84	12.89	3.88	12.39	5.13	15.02	5.18	14.79
OVA37071E	2	5.73	2.36	6.13	2.28	5.90	2.67	6.28	2.60	5.98
	2.5	3.67	2.48	6.55	2.31	6.29	2.88	6.94	2.72	6.64
	3	2.55	2.43	6.87	2.26	6.49	3.00	7.52	2.83	7.28
	3.5	1.87	2.19	7.03	2.08	6.58	3.03	8.05	2.91	7.74
	4	1.43	1.82	6.99	1.74	6.48	2.97	8.56	2.86	8.16
OVA37072E	2	5.73	2.36	6.13	2.28	5.90	2.67	6.28	2.60	5.98
	2.5	3.67	2.48	6.55	2.31	6.29	2.88	6.94	2.72	6.64
	3	2.55	2.43	6.87	2.26	6.49	3.00	7.52	2.83	7.28
	3.5	1.87	2.19	7.03	2.08	6.58	3.03	8.05	2.91	7.74
	4	1.43	1.82	6.99	1.74	6.48	2.97	8.56	2.86	8.16

P106443

Escape routes



Open (Anti-Panic) areas



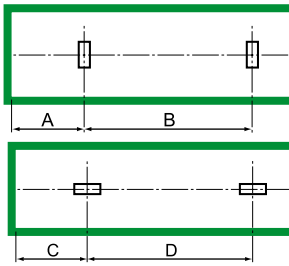
A and E: Transversal spacing to wall
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Primalum

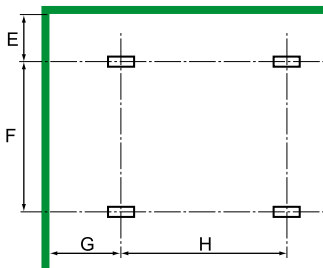
Catalog number	Installation height for ceiling mounting (m)	Lux level directly under luminaires (lux)	Escape routes 1 Lux min. Along centre line				Open (Anti-Panic) areas 0.5 Lux min. Luminaires arranged in a regular array			
			A (m)	B (m)	C (m)	D (m)	E (m)	F (m)	G (m)	H (m)
OVA37037E	2	3.83	2.28	6.66	1.74	4.56	2.86	8.45	2.30	5.31
	2.5	2.45	2.17	6.55	1.70	4.83	2.89	8.83	2.37	5.74
	3	1.70	1.91	6.41	1.53	4.92	2.84	8.79	2.37	6
	3.5	1.25	1.27	6.19	1.12	4.83	2.65	8.70	2.39	6.34
OVA37039E	2	9.85	3.68	9.37	2.47	6.10	4.23	10.80	3	7.04
	2.5	6.30	3.89	10.03	2.66	6.64	4.42	11.63	3.18	7.60
	3	4.38	3.98	10.55	2.75	7.03	4.57	12.44	3.31	8.19
	3.5	3.22	3.85	10.88	2.81	7.31	4.54	13.10	3.44	8.73
	4	2.46	3.70	11.06	2.75	7.56	4.57	13.63	3.53	9.04
	5	1.58	3.06	10.77	2.38	7.78	4.38	14.65	3.52	9.92
OVA37074E	2	5.31	2.75	7.77	2	5.12	3.25	9.40	2.50	5.90
	2.5	3.40	2.66	7.77	2.06	5.48	3.27	10.06	2.65	6.40
	3	2.36	2.54	7.68	2	5.69	3.31	10.26	2.72	6.70
	3.5	1.73	2.27	7.54	1.80	5.80	3.29	10.36	2.71	7.09
OVA37075E	4	1.33	1.74	7.36	1.46	5.73	3.12	10.32	2.69	7.40
	2	6.78	3.14	8.58	2.20	5.53	3.61	10.32	2.68	6.43
	2.50	4.34	3.06	8.84	2.31	5.96	3.60	11.04	2.84	6.98
	3	3.02	2.97	8.81	2.32	6.27	3.67	11.48	2.97	7.32
	3.50	2.22	2.83	8.64	2.23	6.47	3.69	11.67	3.01	7.75
OVA37076E	4	1.70	2.55	8.54	2.02	6.57	3.64	11.70	2.98	8.10
	5	1.09	0.95	8.03	0.95	6.25	3.05	11.55	3.05	8.62
	2	5.31	2.75	7.77	2	5.12	3.25	9.40	2.50	5.90
	2.50	3.40	2.66	7.77	2.06	5.48	3.27	10.06	2.65	6.40
	3	2.36	2.54	7.68	2	5.69	3.31	10.26	2.72	6.70
OVA37077E	3.50	1.73	2.27	7.54	1.80	5.80	3.29	10.36	2.71	7.09
	4	1.33	1.74	7.36	1.46	5.73	3.12	10.32	2.69	7.40
	2	13.54	4.10	10.35	2.75	6.73	4.61	11.79	3.26	7.69
	2.50	8.66	4.37	11.16	2.98	7.35	4.93	12.86	3.52	8.40
	3	6.02	4.58	11.78	3.13	7.82	5.16	13.73	3.69	9.04
	3.50	4.42	4.64	12.31	3.24	8.20	5.23	14.46	3.80	9.54
	4	3.38	4.56	12.74	3.27	8.54	5.23	15.20	3.89	10.11
OVA37078E	5	2.17	4.23	12.98	3.15	8.97	5.28	16.38	4.06	11.06
	6	1.50	3.46	12.59	2.70	9.09	5.03	17.18	4.03	11.67
	7	1.11	1.62	12.01	1.58	8.79	4.17	17.33	4.09	11.97
	2	19.69	4.66	11.79	3.11	7.53	5.20	11.42	3.64	7.61
	2.50	12.60	5.01	12.69	3.38	8.24	5.57	14.36	3.91	9.33
	3	8.75	5.30	13.48	3.58	8.81	5.83	15.46	4.10	10.13
	3.50	6.43	5.49	14.12	3.72	9.29	6.07	16.44	4.27	10.78
	4	4.92	5.61	14.66	3.86	9.71	6.21	17.10	4.43	11.32
5	3.15	5.41	15.40	3.98	10.40	6.20	18.49	4.69	12.36	
6	2.19	5.12	15.71	3.82	10.81	6.23	19.65	4.78	13.15	
7	1.61	4.42	15.28	3.41	10.99	6.04	20.59	4.78	13.84	
8	1.23	2.83	14.73	2.56	10.79	5.31	20.80	4.84	14.23	

P106443

Escape routes



Open (Anti-Panic) areas

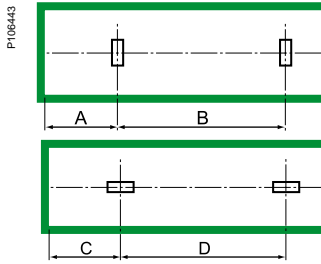


A and E: Transversal spacing to wall
 B and F: Transversal spacing between luminaires
 C and G: Axial spacing to wall
 D and H: Axial spacing between luminaires

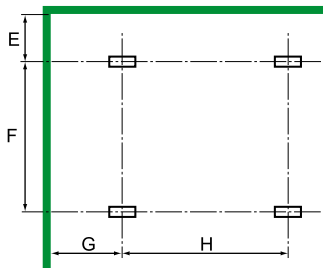
Luxa

Catalog number	Installation height for ceiling mounting (m)	Lux level directly under luminaires (lux)	Escape routes 1 Lux min. Along centre line				Open (Anti-Panic) areas 0.5 Lux min. Luminaires arranged in a regular array				
			A (m)	B (m)	C (m)	D (m)	E (m)	F (m)	G (m)	H (m)	
OVA37093E	2	6.14	2.94	7.89	2.11	5.48	3.43	5.01	2.60	3.33	
	2.5	3.93	3.01	8.20	2.15	5.85	3.57	5.42	2.70	3.61	
	3	2.73	2.95	8.41	2.14	6.08	3.64	5.64	2.78	3.85	
	3.5	2.00	2.73	8.53	2.00	6.14	3.64	6.47	2.80	4.50	
	4	1.53	2.45	8.47	1.72	6.14	3.66	7.69	2.72	5.42	
OVA37094E	2	5.52	2.80	7.56	2.02	5.28	3.31	4.89	2.52	3.23	
	2.5	3.53	2.83	7.85	2.04	5.63	3.42	5.18	2.61	3.47	
	3	2.45	2.75	8.04	2.00	5.79	3.49	5.36	2.68	3.67	
	3.5	1.80	2.50	8.09	1.82	5.82	3.48	6.47	2.67	4.56	
	4	1.38	2.15	7.93	1.46	5.76	3.48	8.11	2.52	5.74	
OVA37095E	2	22.70	4.89	12.50	3.36	8.16	5.29	7.73	3.79	4.79	
	2.5	14.53	5.24	13.56	3.60	9.07	5.66	8.31	4.05	5.32	
	3	10.09	5.41	14.31	3.84	9.74	5.87	8.84	4.31	5.85	
	3.5	7.41	5.55	14.93	3.99	10.23	6.02	9.36	4.47	6.21	
	4	5.68	5.66	15.29	4.11	10.66	6.16	9.78	4.61	6.62	
	5	3.63	5.75	15.85	4.16	11.35	6.40	10.48	4.76	7.11	
	6	2.52	5.60	16.29	4.05	11.74	6.56	10.97	4.88	7.68	
	7	1.85	5.09	16.39	3.72	11.85	6.56	12.62	4.93	8.98	
	8	1.42	4.48	16.14	3.07	11.73	6.55	15.87	4.64	11.41	
9	1.12	2.45	15.37	1.71	11.36	6.27	18.22	4.52	12.95		
OVA37096E	2	6.14	2.94	7.89	2.11	5.48	3.43	5.01	2.60	3.33	
	2.5	3.93	3.01	8.20	2.15	5.85	3.57	5.42	2.70	3.61	
	3	2.73	2.95	8.41	2.14	6.08	3.64	5.64	2.78	3.85	
	3.5	2.00	2.73	8.53	2.00	6.14	3.64	6.47	2.80	4.50	
	4	1.53	2.45	8.47	1.72	6.14	3.66	7.69	2.72	5.42	
OVA37097E	2	5.52	2.80	7.56	2.02	5.28	3.31	4.89	2.52	3.23	
	2.5	3.53	2.83	7.85	2.04	5.63	3.42	5.18	2.61	3.47	
	3	2.45	2.75	8.04	2.00	5.79	3.49	5.36	2.68	3.67	
	3.5	1.80	2.50	8.09	1.82	5.82	3.48	6.47	2.67	4.56	
	4	1.38	2.15	7.93	1.46	5.76	3.48	8.11	2.52	5.74	
OVA37098E	2	6.14	2.94	7.89	2.11	5.48	3.43	5.01	2.60	3.33	
	2.5	3.93	3.01	8.20	2.15	5.85	3.57	5.42	2.70	3.61	
	3	2.73	2.95	8.41	2.14	6.08	3.64	5.64	2.78	3.85	
	3.5	2.00	2.73	8.53	2.00	6.14	3.64	6.47	2.80	4.50	
	4	1.53	2.45	8.47	1.72	6.14	3.66	7.69	2.72	5.42	
OVA37099E	2	6.14	2.94	7.89	2.11	5.48	3.43	5.01	2.60	3.33	
	2.5	3.93	3.01	8.20	2.15	5.85	3.57	5.42	2.70	3.61	
	3	2.73	2.95	8.41	2.14	6.08	3.64	5.64	2.78	3.85	
	3.5	2.00	2.73	8.53	2.00	6.14	3.64	6.47	2.80	4.50	
	4	1.53	2.45	8.47	1.72	6.14	3.66	7.69	2.72	5.42	
	OVA37100E	2	12.88	4.01	10.42	2.78	6.96	4.42	6.44	3.22	4.14
		2.5	8.25	4.16	11.04	2.95	7.59	4.63	6.96	3.43	4.55
3		5.73	4.28	11.53	3.08	8.04	4.76	7.43	3.56	4.94	
3.5		4.21	4.32	11.82	3.12	8.42	4.91	7.77	3.69	5.24	
4		3.22	4.33	12.03	3.13	8.69	5.00	8.02	3.75	5.46	
5		2.06	4.01	12.35	2.92	8.93	5.07	9.17	3.82	6.41	
6		1.43	3.39	12.16	2.33	8.88	5.07	11.77	3.64	8.36	
7	1.05	1.20	11.44	0.55	8.45	5.47	14.32	2.78	10.25		
OVA37101E	2	12.88	4.01	10.42	2.78	6.96	4.42	6.44	3.22	4.14	
	2.5	8.25	4.16	11.04	2.95	7.59	4.63	6.96	3.43	4.55	
	3	5.73	4.28	11.53	3.08	8.04	4.76	7.43	3.56	4.94	
	3.5	4.21	4.32	11.82	3.12	8.42	4.91	7.77	3.69	5.24	
	4	3.22	4.33	12.03	3.13	8.69	5.00	8.02	3.75	5.46	
	5	2.06	4.01	12.35	2.92	8.93	5.07	9.17	3.82	6.41	
	6	1.43	3.39	12.16	2.33	8.88	5.07	11.77	3.64	8.36	
7	1.05	1.20	11.44	0.55	8.45	5.47	14.32	2.78	10.25		

Escape routes



Open (Anti-Panic) areas



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

Luxa (cont.)

Catalog number	Installation height for ceiling mounting (m)	Lux level directly under luminaires (lux)	Escape routes 1 Lux min. Along centre line				Open (Anti-Panic) areas 0.5 Lux min. Luminaires arranged in a regular array			
			A (m)	B (m)	C (m)	D (m)	E (m)	F (m)	G (m)	H (m)
OVA37102E	2	22.70	4.89	12.50	3.36	8.16	5.29	7.73	3.79	4.79
	2.5	14.53	5.24	13.56	3.60	9.07	5.66	8.31	4.05	5.32
	3	10.09	5.41	14.31	3.84	9.74	5.87	8.84	4.31	5.85
	3.5	7.41	5.55	14.93	3.99	10.23	6.02	9.36	4.47	6.21
	4	5.68	5.66	15.29	4.11	10.66	6.16	9.78	4.61	6.62
	5	3.63	5.75	15.85	4.16	11.35	6.40	10.48	4.76	7.11
	6	2.52	5.60	16.29	4.05	11.74	6.56	10.97	4.88	7.68
	7	1.85	5.09	16.39	3.72	11.85	6.56	12.62	4.93	8.98
	8	1.42	4.48	16.14	3.07	11.73	6.55	15.87	4.64	11.41
9	1.12	2.45	15.37	1.71	11.36	6.27	18.22	4.52	12.95	
OVA37191E	2	3.68	2.26	6.22	1.74	4.68	2.79	4.15	2.26	2.89
	2.5	2.36	2.17	6.40	1.69	4.87	2.85	4.64	2.33	3.43
	3	1.64	1.95	6.41	1.48	4.90	2.85	5.98	2.28	4.46
OVA37192E	3.5	1.20	1.31	6.17	0.99	4.77	2.78	7.08	2.22	5.34
	2	10.69	3.72	9.60	2.65	6.79	4.07	6.07	3.05	4.00
	2.5	6.84	3.92	10.25	2.80	7.38	4.33	6.51	3.23	4.41
	3	4.75	4.05	10.71	2.85	7.79	4.59	6.90	3.37	4.75
	3.5	3.49	4.13	11.20	2.83	8.05	4.82	7.18	3.46	4.99
	4	2.67	4.14	11.53	2.77	8.21	4.99	7.44	3.51	5.21
5	1.71	3.80	11.81	2.44	8.25	5.13	8.55	3.47	6.00	
6	1.19	2.86	11.69	1.55	7.94	5.29	11.10	3.10	7.69	
OVA37193E	2	3.68	2.26	6.22	1.74	4.68	2.79	4.15	2.26	2.89
	2.5	2.36	2.17	6.40	1.69	4.87	2.85	4.64	2.33	3.43
	3	1.64	1.95	6.41	1.48	4.90	2.85	5.98	2.28	4.46
	3.5	1.20	1.31	6.17	0.99	4.77	2.78	7.08	2.22	5.34
OVA37194E	2	6.83	3.14	8.20	2.24	5.90	3.56	5.21	2.69	3.51
	2.5	4.37	3.26	8.66	2.27	6.29	3.81	5.62	2.81	3.82
	3	3.03	3.30	9.07	2.24	6.49	4.01	5.82	2.88	4.07
	3.5	2.23	3.26	9.33	2.14	6.62	4.14	6.06	2.89	4.26
	4	1.71	3.04	9.45	1.95	6.60	4.21	6.84	2.88	4.78
5	1.09	1.94	9.28	0.88	6.22	4.49	9.67	2.31	6.64	
OVA37195E	2	3.68	2.26	6.22	1.74	4.68	2.79	4.15	2.26	2.89
	2.5	2.36	2.17	6.40	1.69	4.87	2.85	4.64	2.33	3.43
	3	1.64	1.95	6.41	1.48	4.90	2.85	5.98	2.28	4.46
	3.5	1.20	1.31	6.17	0.99	4.77	2.78	7.08	2.22	5.34
OVA37196E	2	10.69	3.72	9.60	2.65	6.79	4.07	6.07	3.05	4.00
	2.5	6.84	3.92	10.25	2.80	7.38	4.33	6.51	3.23	4.41
	3	4.75	4.05	10.71	2.85	7.79	4.59	6.90	3.37	4.75
	3.5	3.49	4.13	11.20	2.83	8.05	4.82	7.18	3.46	4.99
	4	2.67	4.14	11.53	2.77	8.21	4.99	7.44	3.51	5.21
	5	1.71	3.80	11.81	2.44	8.25	5.13	8.55	3.47	6.00
6	1.19	2.86	11.69	1.55	7.94	5.29	11.10	3.10	7.69	
OVA37197E	2	3.68	2.26	6.22	1.74	4.68	2.79	4.15	2.26	2.89
	2.5	2.36	2.17	6.40	1.69	4.87	2.85	4.64	2.33	3.43
	3	1.64	1.95	6.41	1.48	4.90	2.85	5.98	2.28	4.46
	3.5	1.20	1.31	6.17	0.99	4.77	2.78	7.08	2.22	5.34
OVA37198E	2	6.83	3.14	8.20	2.24	5.90	3.56	5.21	2.69	3.51
	2.5	4.37	3.26	8.66	2.27	6.29	3.81	5.62	2.81	3.82
	3	3.03	3.30	9.07	2.24	6.49	4.01	5.82	2.88	4.07
	3.5	2.23	3.26	9.33	2.14	6.62	4.14	6.06	2.89	4.26
	4	1.71	3.04	9.45	1.95	6.60	4.21	6.84	2.88	4.78
5	1.09	1.94	9.28	0.88	6.22	4.49	9.67	2.31	6.64	

Design (cont.)

Emergency light fittings spacing table (cont.)

Approximate area (in m²) covered by each unit for different ceiling heights to obtain more than 1 lux on the ground.

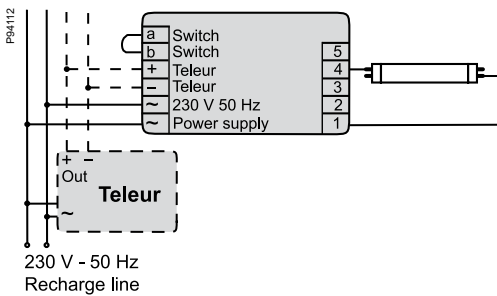
Catalog number	Area with 1 Lux min. at the floor level (m ²)										
Installation height for ceiling mounting (m)	2	2.5	3	3.5	4	5	6	7	8	9	10
Rilux											
OVA37066E	15.47	16.74	16.07	10.93	4.76	0.0	0.0	0.0	0.0	0.0	0.0
OVA37067E	19.04	22.78	21.42	18.22	14.28	7.44	0.0	0.0	0.0	0.0	0.0
OVA37068E	19.04	22.78	21.42	18.22	14.28	7.44	0.0	0.0	0.0	0.0	0.0
OVA37069E	34.21	39.05	41.50	47.38	42.84	44.63	32.13	14.58	0.0	0.0	0.0
OVA37070E	41.06	47.42	54.22	56.49	61.88	59.50	56.23	43.74	19.04	0.0	0.0
OVA37071E	17.26	18.13	16.74	14.58	14.28	0.0	0.0	0.0	0.0	0.0	0.0
OVA37072E	17.26	18.13	16.74	14.58	14.28	0.0	0.0	0.0	0.0	0.0	0.0
Primalum											
OVA37037E	13.09	11.16	9.37	3.64	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OVA37039E	33.92	37.19	36.15	39.18	29.75	22.31	10.71	0.0	0.0	0.0	0.0
OVA37074E	19.64	20.45	16.07	12.76	7.14	0.0	0.0	0.0	0.0	0.0	0.0
OVA37075E	24.10	20.92	24.10	19.13	16.66	5.58	0.0	0.0	0.0	0.0	0.0
OVA37076E	19.64	20.45	16.07	12.76	7.14	0.0	0.0	0.0	0.0	0.0	0.0
OVA37077E	39.87	45.56	51.55	49.20	52.36	39.05	26.78	14.58	0.0	0.0	0.0
OVA37078E	53.85	60.43	66.27	73.80	72.60	78.10	58.91	43.74	19.04	0.0	0.0
Luxa											
OVA37093E	19.64	19.52	20.75	18.22	14.28	0.0	0.0	0.0	0.0	0.0	0.0
OVA37094E	17.85	18.60	14.73	14.58	9.52	0.0	0.0	0.0	0.0	0.0	0.0
OVA37095E	52.66	58.57	65.60	71.07	71.41	74.38	61.59	61.96	38.08	24.10	0.0
OVA37096E	19.64	19.52	20.75	18.22	14.28	0.0	0.0	0.0	0.0	0.0	0.0
OVA37097E	17.85	18.60	14.73	14.58	9.52	0.0	0.0	0.0	0.0	0.0	0.0
OVA37098E	19.64	19.52	20.75	18.22	14.28	0.0	0.0	0.0	0.0	0.0	0.0
OVA37099E	19.64	19.52	20.75	18.22	14.28	0.0	0.0	0.0	0.0	0.0	0.0
OVA37100E	35.70	37.19	41.50	41.91	45.22	37.19	21.42	0.0	0.0	0.0	0.0
OVA37101E	35.70	37.19	41.50	41.91	45.22	37.19	21.42	0.0	0.0	0.0	0.0
OVA37102E	52.66	58.57	65.60	71.07	71.41	74.38	61.59	61.96	38.08	24.10	0.0
OVA37191E	11.90	10.23	8.03	3.64	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OVA37192E	31.54	35.80	38.16	37.36	39.27	29.75	16.07	0.0	0.0	0.0	0.0
OVA37193E	11.90	10.23	8.03	3.64	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OVA37194E	22.90	25.10	25.44	20.05	19.04	7.44	0.0	0.0	0.0	0.0	0.0
OVA37195E	11.90	10.23	8.03	3.64	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OVA37196E	31.54	35.80	38.16	37.36	39.27	29.75	16.07	0.0	0.0	0.0	0.0
OVA37197E	11.90	10.23	8.03	3.64	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OVA37198E	22.90	25.10	25.44	20.05	19.04	7.44	0.0	0.0	0.0	0.0	0.0

Evx Ferro

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

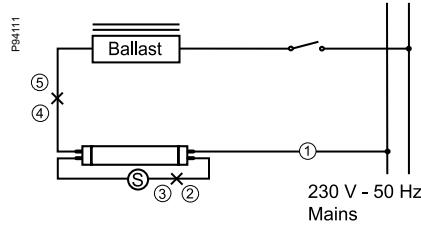
Before: internal diagram of the luminaire.
 After: diagram with Evx Ferro connected.

Non-maintained mode

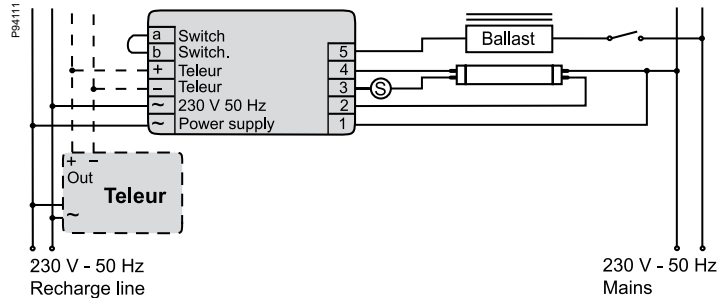


Single tube, electromagnetic ballast

Before (in maintained mode)

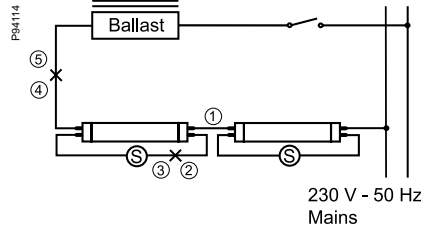


After, in maintained mode

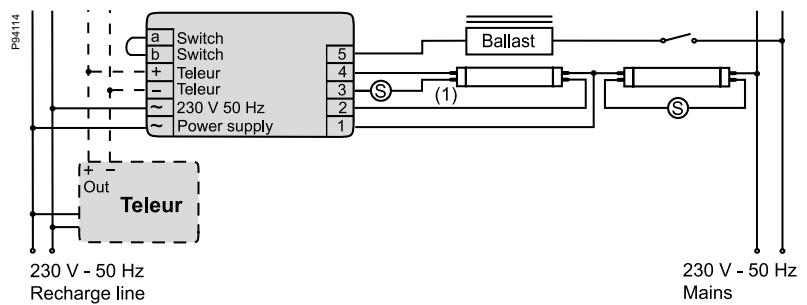


Double tube, electromagnetic ballast

Before (in maintained mode)



After, in maintained mode



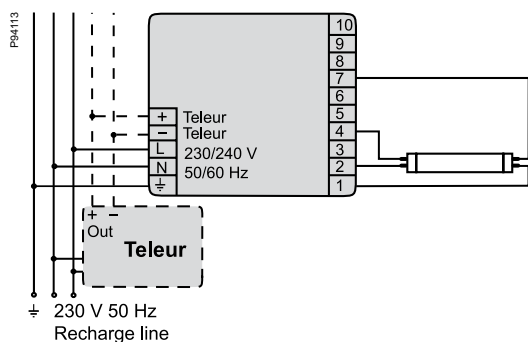
(1) Only one lamp in emergency mode

Evx Power

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

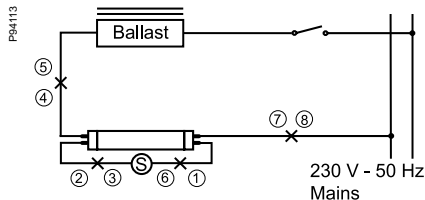
Before: internal diagram of the luminaire.
After: diagram with Evx connected.

Non-maintained mode

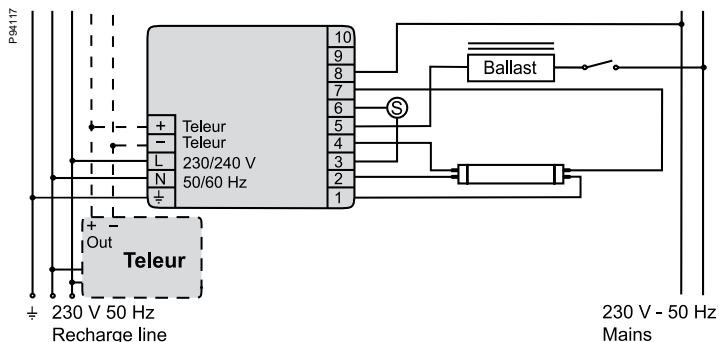


Single tube, electromagnetic ballast

Before (in maintained mode)

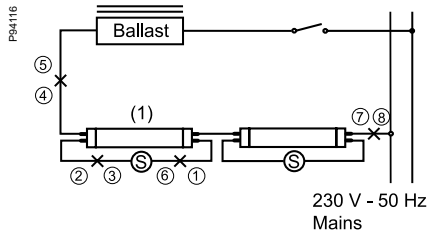


After, in maintained mode

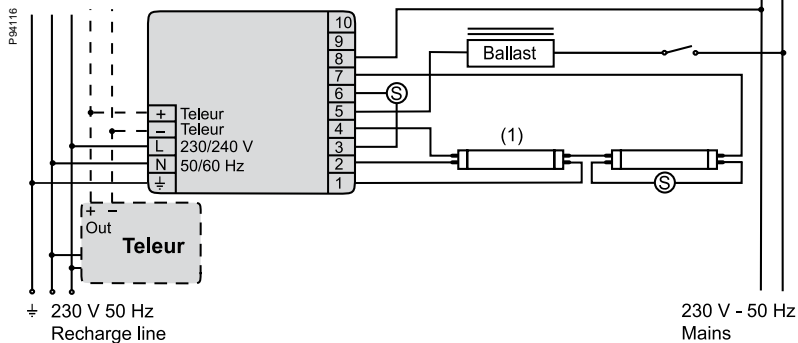


Double tube, electromagnetic ballast

Before (in maintained mode)



After, in maintained mode



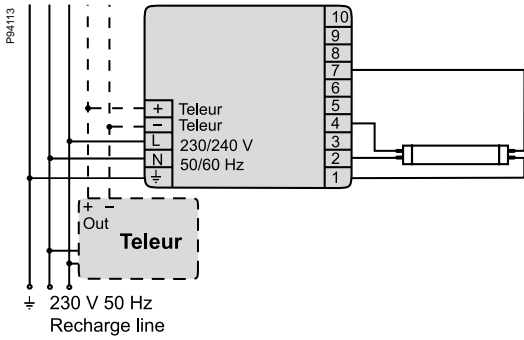
(1) Only one lamp in emergency mode

Evx Power (cont.)

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

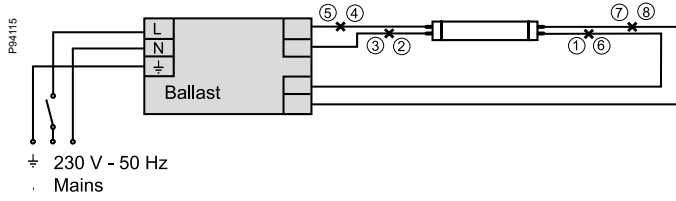
Before: internal diagram of the luminaire.
After: diagram with Evx connected.

Non-maintained mode

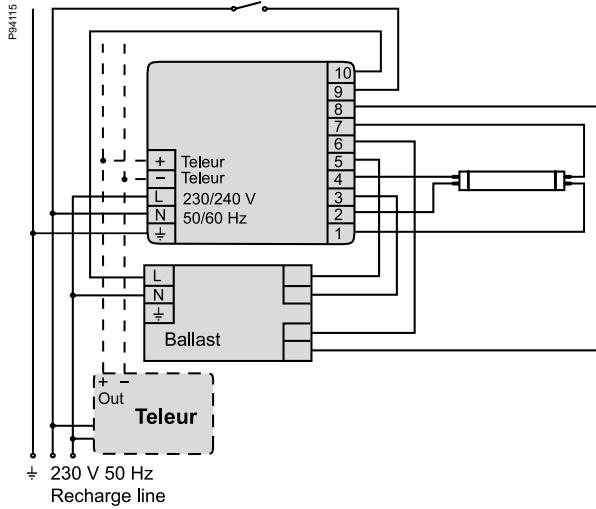


Single tube, electronic ballast

Before (in maintained mode)

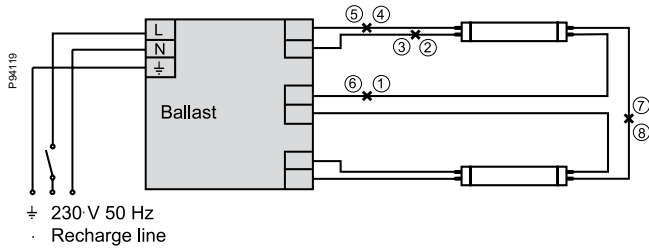


After, in maintained mode

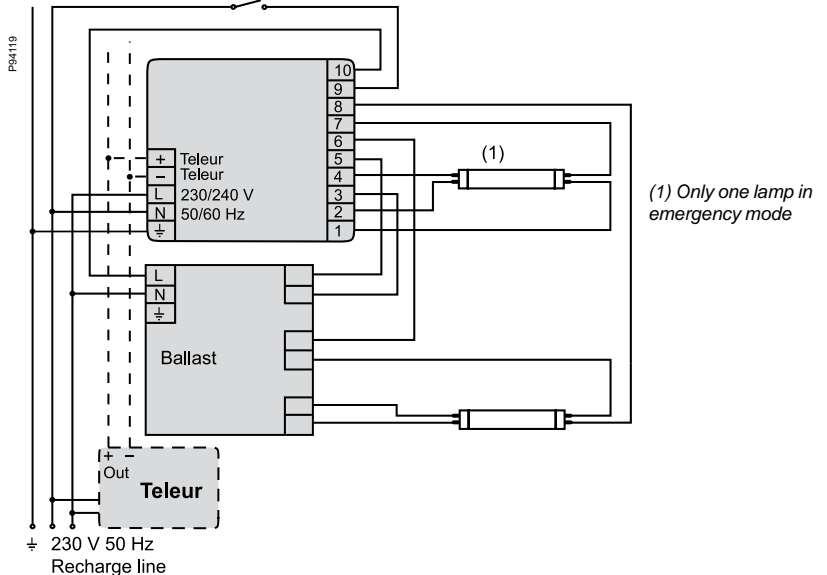


Double tube (6 contacts) , electronic ballast

Before (in maintained mode)



After, in maintained mode



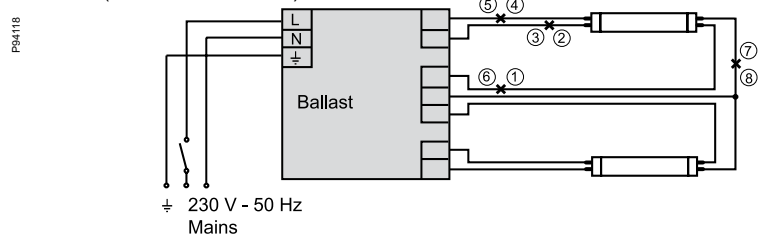
Evx Power (cont.)

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

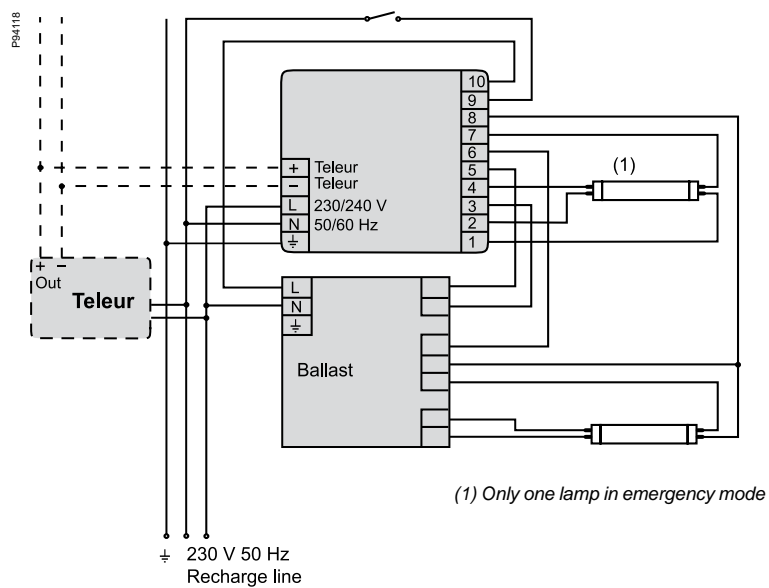
Before: internal diagram of the luminaire.
After: diagram with Evx connected.

Double tube (7 contacts), electronic ballast

Before (in maintained mode)

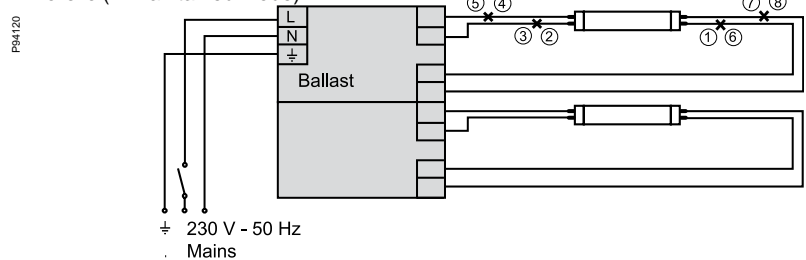


After, in maintained mode

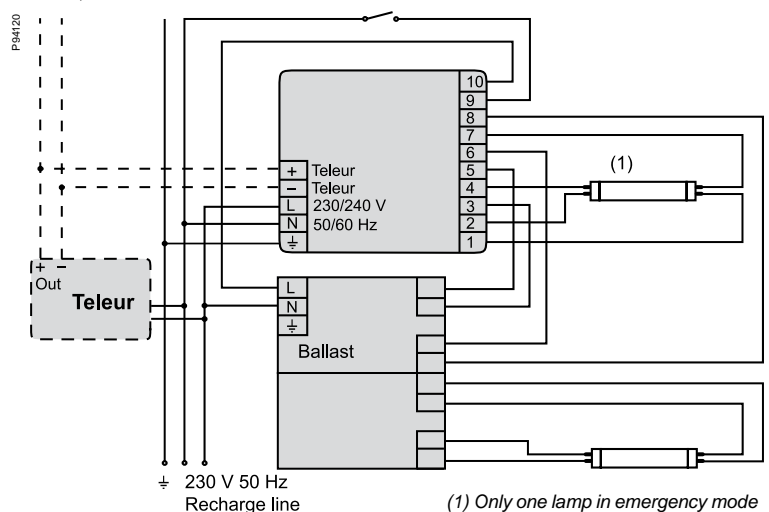


Double tube (8 contacts), electronic ballast

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.

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

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

Self-contained luminaire systems with self-diagnosis

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

The functional tests are carried out automatically every 7 days and the duration tests every 12 weeks. Any defects are indicated by a single multi-coloured LED 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.

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 m² area (for example: 1 lux means 1 lumen measured on a 1 m² area).

M

Maintained emergency luminaire

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

Maximum overcharge rate

Maximum continuous charge rate that may be applied

to a fully charged battery.

N

Non-maintained emergency luminaire

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

Normal mode

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

Normal supply failure

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

O

Open Area (or Anti-Panic Area) Lighting

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

R

Rated duration of emergency operation

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

Remote inhibiting facility

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

Remote inhibiting mode

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

Rest mode

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

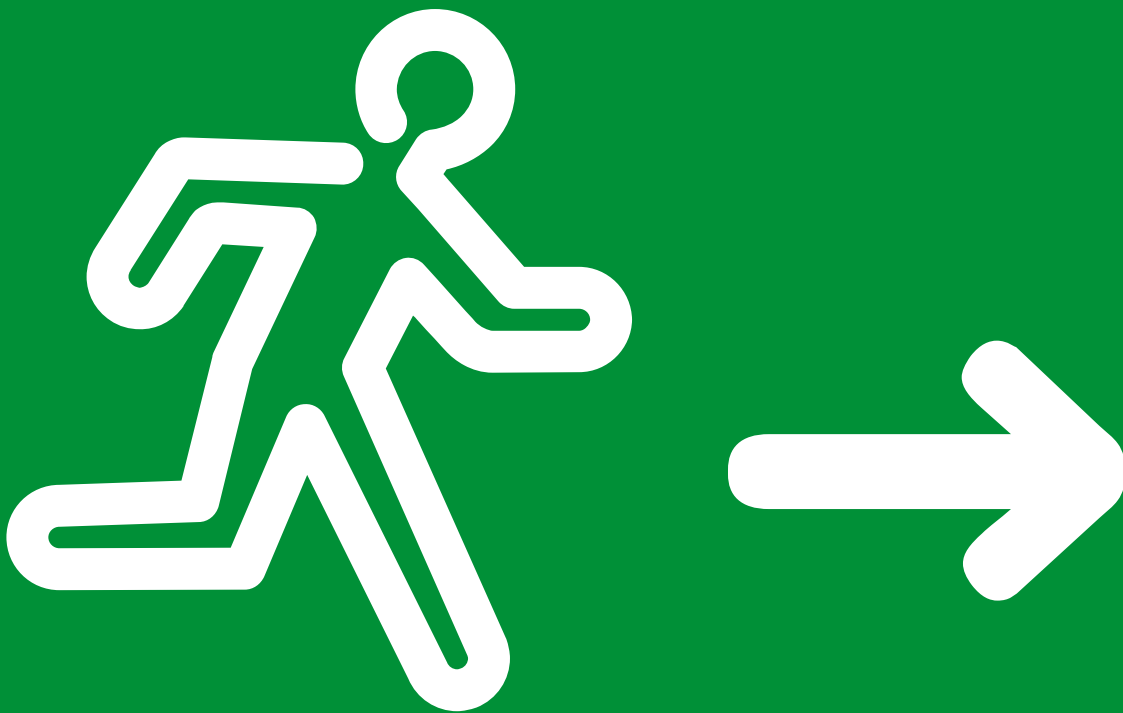
S

Safety sign

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

Self contained emergency luminaire

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



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