Exiway DiCube

Catalogue 01/2019

Emergency lighting

Addressable emergency lighting system

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Endorsing eco-friendly products in the industry

Green Premium™

Green Premium is the only label that allows you to effectively develop and promote an environmental policy whilst preserving your business efficiency. This ecolabel guarantees compliance with up-to-date environmental regulations, but it does more than this.

Over 75% of Schneider Electric manufactured products have been awarded the Green Premium ecolabel

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Check your products!

Schneider Electric's Green Premium ecolabel is committed to offering transparency, by disclosing extensive and reliable information related to the environmental impact of its products:

RoHS

Schneider Electric products are subject to RoHS requirements at a worldwide level, even for the many products that are not required to comply with the terms of the regulation. Compliance certificates are available for products that fulfil the criteria of this European initiative, which aims to eliminate hazardous substances.

REACh

Schneider Electric applies the strict REACh regulation on its products at a worldwide level, and discloses extensive information concerning the presence of SVHC (Substances of Very High Concern) in all of these products.

PEP: Product Environmental Profile

Schneider Electric publishes complete set of environmental data, including carbon footprint and energy consumption data for each of the lifecycle phases on all of its products, in compliance with the ISO 14025 PEP ecopassport program. PEP is especially useful for monitoring, controlling, saving energy, and/or reducing carbon emissions.

EoLI: End of Life Instructions

Available at the click of a button, these instructions provide:
• Recyclability rates for Schneider Electric products.
• Guidance to mitigate personnel hazards during the dismantling of products and before recycling operations.
• Parts identification for recycling or for selective treatment, to mitigate environmental hazards/ incompatibility with standard recycling processes.

DiCube

General content

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Addressable emergency lighting system with advanced features

A

Monitor your installation with your PC or Smartphone.
Easy to use, it will reduce your maintenance cost and maximise your building safety.
DiCube is compatible with your BMS (Building Management System).

Why DiCube? - What is it for?

Keeping an emergency lighting installation efficient is a fundamental prerequisite in order to increase the safety in the case of a critical event. Periodic checks and relevant maintenance are the main activities to perform to ensure optimum upkeep of the safety installation and to meet the requirements of laws and regulations.

Communicates and interacts with the light

Light is not only safety. It is also a communication element: with DiCube the data of each device will be available for analysis in a simple and intuitive way thanks to advanced functions and current technological trends, such as VLDP (Visual Lighting Data Pulling) and laser.

Fully integrates

Thanks to the standard DALI protocol and advanced integration levels, DiCube system is ready for the integrated monitoring of the emergency lighting. Management is extensive and well-structured: BMS, web and cloud, with clear and effective transfer of the available data.

How does it work?

DiCube is an efficient system to carry out the periodic checks automatically and for reporting any anomalies. Safety is a primary value, and DiCube always keeps it at the highest levels by promptly communicating the information necessary to perform effective maintenance.

Helps you controlling your installation with the finger touch

Putting an installation with DiCube into operation is very simple, as well as flexible and functional. This is due to the different programming levels that the system offers. The user interface is based on the most up-to-date devices, whether classic via PC or with Apps for Smartphones. What's more, DiCube is very scalable and can be simply adapted to plants of all sizes.

What does it consist of?

The Control Unit automatically runs operational and autonomy tests on all connected devices. Increasing the number of controlled devices is extremely simple. All you have to do is to add a Line Controller module to double them.

Adapted to any design

DiCube meets any emergency lighting design need: open areas, escape routes, safety signalling in all possible installations and with lighting performance appropriate for every situation.
It is entirely controlled and managed optimally to ensure the maximum safety of people and objects.

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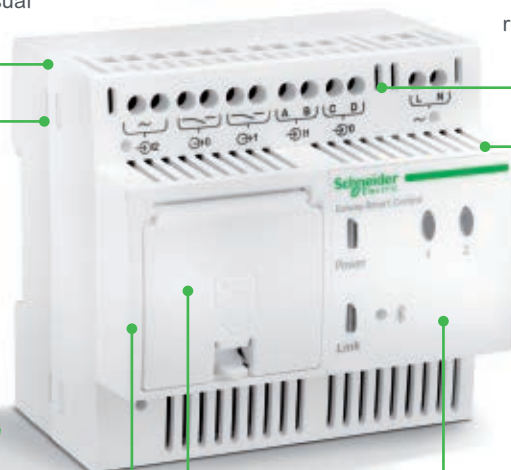
Intelligence that communicates and interacts with the light

Run a test with a simple laser pointer

The ray of light that activates the system

With Dicube, system and device activation is highly innovative thanks to a simple laser pointer and the photosensor available on each luminaire, the devices can be sequentially or custom numbered. Similarly, you can activate the tests of the single devices to optimise your maintenance.

The Smartphone and the system's display

With your Smartphone linked to the Control Unit via Bluetooth, you have what you need to completely manage the entire installation. Set-up, commissioning, checks and plant status are always at your disposal.

The specially designed Exiway Suite App ensures an optimum system management, also thanks to the user-friendly graphic interface.

Each luminaire communicates with your Smartphone + VLDP probe

All installation data brought to light

Every single device can communicate and transfer all information regarding the production date, maintenance, checks and repairs.

By adopting VLDP (Visual Lighting Data Pulling) - an innovative way to communicate with the single devices - all the data coming from the device will be available to be simply and intuitively analysed using a Smartphone. All you have to do is to equip the Smartphone with the reading sensor and it will no longer hold any secrets. With this system, it will also be very easy to learn the addresse stored in each luminaire.

Your Smartphone has talks with your installation

Smart-object: devices with memory

The luminaires store the information like: production date, battery type, address, status in their memories.

Using the VLDP device, these data can be read and displayed directly on the mobile device. New functions that simplify life and make this system truly smart.

Intelligence that helps you to control your installation with the touch of a finger

A

Simple and flexible programming

With DiCube, everyone can find his own personal programming level. The installation and commissioning of the system are simple and flexible thanks to the quick option, with fully automatic Plug&Play programming. If enhanced system customisation is required, sequential programming can be used, as well as "skipping" numbering.

Software for total installation control

The Exiway PC Suite software helps to configure and monitor the installation from the simplest to the most complex. With it, all connected systems are managed, configured and controlled. You can activate all the test functions from the single Control Unit and you can also manage groups of mixed devices with luminaires belonging to different Control Units. Testing and checking programming is extremely simple in every situation.
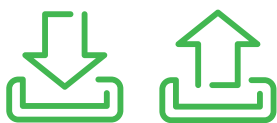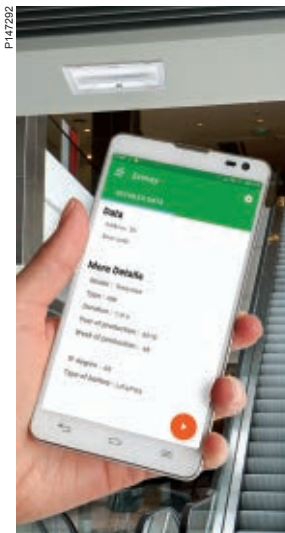
Management within reach

The user interface is based on the latest management systems. It is divided up over multiple levels:
- from a simple that can be used via Smartphone together with dedicated Apps,
- to a professional via PC with Exiway PC Suite.
The App is a free download and lets you execute the main functions for managing and programming of systems assembled with DiCube. The controls are simple and user-friendly, and in this way programming will become truly within everyone's reach.

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Intelligence that totally integrates

Integration in the building's lighting system

The new system does not forget its DNA. It ensures all the functions and key benefits for emergency lighting. It is in line with the latest trends and simply integrates with third party DALI Emergency Lighting control system; protocol used between the luminaires and the Control Unit.

Dynamic and virtually unlimited Ethernet interconnection, the basic system handles up to 256 devices connected with a single Control Unit. It offers a wide range of modularity possibilities.

The same Control Unit can be connected in an Ethernet network, allowing you to manage a virtually unlimited number of devices.

Interconnection of the Control Units is very simple. In this way you can build really large systems with a substantial advantage: the interface will always remain the simple and user-friendly one of the basic.

Total Cloud connection too

The DiCube system integrates in the BMS, web, KNX and cloud architectures. It gets effective management of all problems and constant control, even remotely. It minimises economic impact and optimises tests and maintenance. With the StruxureWare BMS system, all Schneider Electric solutions will become available. You benefit from the advantages this advanced Building Automation system offers.
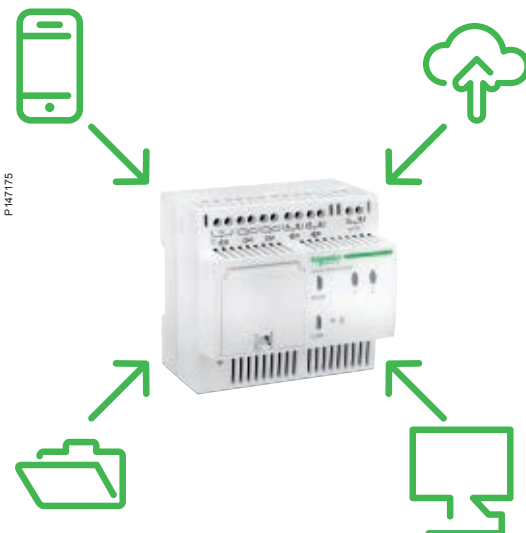
Intelligence adapted to any project

A

Integration in the building's lighting system

Exiway Smartexit DiCube is the new range of Schneider Electric safety signal devices that innovates the signalling concept. Thanks to the advanced and innovative project, Exiway Smartexit DiCube is ready for any application in any situation. It can be installed in all types of use (wall, ceiling, flag) without the need of any accessory.

Smartled DiCube: technology and attractive styling for all environments

The quality, technology and attractive styling of Smartled DiCube are completed with the new DiCube versions equipped with all system functions. Exiway Smartled DiCube is a flexible solution that fits all needs - both design and installation - with fluxes up to 1000 lumens in a single very compact size with dimensions that do not exceed 30 cm.

Exiway Smartled DiCube ensures the IP65 protection rating without a need for accessories. Simple accessories enable flush and hung installation and turning Smartled DiCube into a signalling device

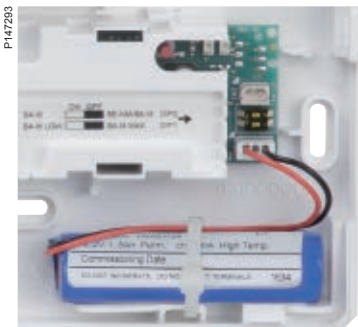**IP65**

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A

The Control Unit

One Control Unit connected to its Line Controller can control 128 luminaires.
If an optional Line Controller is added, up to 256 luminaires can be monitored.

LiFePO4 batteries for long-life performance

One of the most important and basic components of an emergency lighting device is its battery. For Exiway DiCube, the lithium technology with iron phosphate (LiFePO4) has been chosen. These batteries offer greater energy efficiency, low self-discharge and tolerance of the highest temperature. This makes them particularly recommended for emergency lighting applications. The LiFePO4 cells are more stable in overcharging or short-circuiting conditions and are able to withstand high temperatures without stability alterations. Thus, they offer much greater safety. LiFePO4 cells also boast an expected lifetime that can exceed 4 years requested from the regulation.

All solutions, only one system

All Dicube components offer the same innovative characteristics of interactivity. From laser pointer command to VLDP communication, all are supported by the DALI protocol. DALI is the absolute standard for the field bus in the lighting industry that ensures easy and immediate integration and connection.

DiCube system
Intelligent system
Technical specifications

P147295

B

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DiCube, the intelligent system

■ DiCube system is compliant with your BMS with Ethernet protocol
■ DALI protocol is used between the luminaires and the Control unit
■ No rotary switch numbering
■ No double address risk in the system
■ Automatic addressing to speed up installation
■ Laser pointer numbering to quickly customize the addressing, following the blueprint
■ Scalable system, from 128 luminaires for 1 Control Unit and Line Controller to as many luminaires as you want
■ Automatic periodic tests for checking the status of the safety installation
■ Automatic tests compliant with the IEC EN 62034 standard
■ Built-in web server with monitoring of the status of the installation and devices connected to the system; automatic notifications in case of anomalies
■ Programming and commissioning can be carried out using the dedicated "PC Suite" software:
□ a description for luminaires or Control Unit identification can be entered
□ event/fault register can be downloaded for searches and statistics
□ possibility to manage luminaires device group of even if they are controlled by different Control Units
■ The Bluetooth connection offers the possibility to use a specific App (Android) for several configuration and checking functions
■ Interconnection between Control Units over the Ethernet line
■ Control Unit and Line Controller can be installed in the electric panel on the DIN rail
■ IP backbone between Control Unit
■ Direct connection with Modbus via IP network
■ Possibility to have luminaires with different duration in the same group
■ Remote ON/OFF for maintained luminaires available
■ LiFePO4 battery for luminaires, environmental friendly, increased expected lifetime.

DiCube Printer

By connecting the DiCube Printer (optional device) directly to the Control Unit, it is possible to print a report on the state of the emergency lighting installation and on all the significant events that have occurred.

DiCube Control Unit
Advantages

Compact and simple to install Control Unit, occupies 9 modules. It can monitor up to 128 luminaires.

A simple 2-pole line without screen allows communication between the Control Unit and luminaires. The cable section depends on the length of the luminaire connection lines.

Plug&Play commissioning: just a simple action is needed to start up the installation. By pressing the specific buttons for about 10 seconds, the system will program itself on its own and store all connected luminaires.

Monitoring

Immediate and intuitive functions with the controls available.

The specific App to perform the main functions for managing and programming systems assembled with DiCube can be downloaded for free.

Complete software for the configuration and monitoring of all systems, from the simplest to the most complex.

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DiCube system
Intelligent system
Technical specifications
Product catalogue numbers

B

Control Unit

Technical data		
Power supply		230 V AC, 50/60 Hz
Consumption		8 VA
Insulation Class		II
Inputs		3 V, 0.2 mA
Contact outputs		230 V AC/150 V DC, 0.1 °
Auxiliary mains input		230 V, 2.5 mA
Internal battery		LiMnO2 CR2477, 3 V
Bluetooth V3.0	Frequency	2400-2483.5 Mhz
	Power in RF	1 mW (0 dbm)
Environmental characteristics		
Environmental cat:		C1
Operating temperature		0°C to +40°C
Relative Humidity		5-85 %
Degree of pollution		Class 2
Degree of protection		IP20
Dimensions		85 x 90 x 69.5 mm
Weight		0.243 kg
Compliances		
Directive RED 2014/53/UE, Directive RoHs 2011/65/UE, EN55022, EN55024, EN61000-3-2, EN61000-3-3, EN60950		

Line Controller

Technical data		
Power supply		220-240 V AC, 50/60 Hz
Consumption		86 mA max.
Insulation Class		II
Line A/B	Current (load) max	235 mA
	Current (load) min	5 mA
	Voltage	16 V +/- 0.6 V
	Max length	300 m per line
	Max luminaires	64 per line
Environmental characteristics		
Operating temperature		0°C to +50°C
Degree of protection		IP20
Dimensions		65 x 85 x 72 mm
Weight		0.171 kg
Compliances		
EN 61347-2-11, EN55022, EN55024, EN61000-3-2, EN61000-3-3, EN60950		

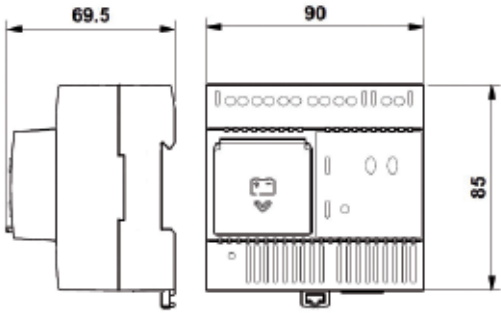| Product catalogue numbers	
Model	Cat. no.
DiCube Control Unit	
Control Unit + Line Controller (to manage 128 luminaires)	**OVA53167**
DiCube Line Controller	
Line Controller (to manage 128 luminaires)	**OVA53168**
Software PC Suite	
SW01 manage 1 Control Unit	**OVA53169**
SW30 manage up to 30 Control Units	**OVA53170**
SW99 manage an unlimited number of Control Units	**OVA53171**
DiCube Sensor VLDP (Visual Lighting Data Pulling)	
For Smartphone data reading via VLDP	**OVA53172**
DiCube Printer	
Printer module	**OVA52210**
Spare part	
Control Unit	**OVA53166**

Intelligent system
Dimensions

Control Unit

Line Controller

B

Intelligent system
Connection
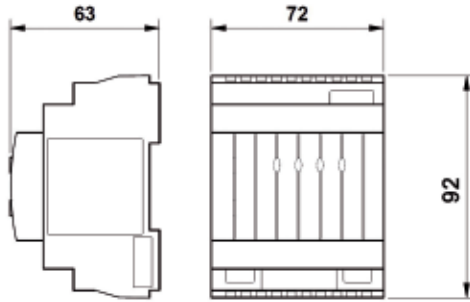
Connection of a Control Unit + 1 Line Controller

128 luminaires

230 V, 50/60 Hz
2 x 1.5 mm²

Control Unit   Line Controller 1

RS232

Line A2, 64 luminaires max.
2 x 1 to 2.5 mm²

230 V, 50/60 Hz
2 x 1 to 4 mm²

Line A1, 64 luminaires max.
2 x 1 to 2.5 mm²
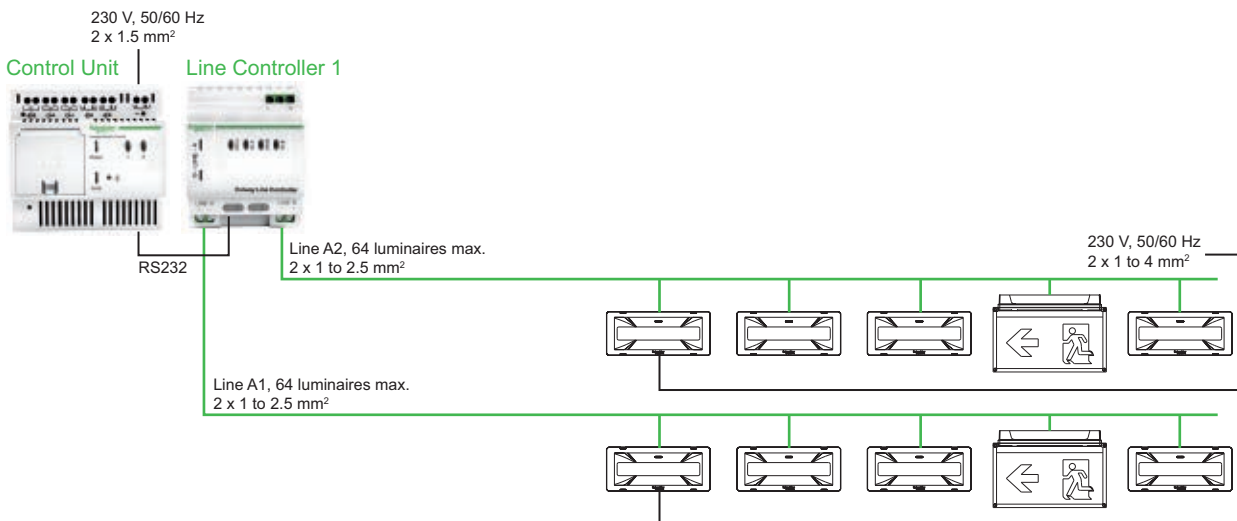
Connection of a Control Unit + 2 Line Controllers

256 luminaires

230 V, 50/60 Hz
2 x 1.5 mm²

Control Unit   Line Controller 1   Line Controller 2

+

RS232

Line B2, 64 luminaires max.
2 x 1 to 2.5 mm²

Line B1, 64 luminaires max.
2 x 1 to 2.5 mm²

Line A2, 64 luminaires max.
2 x 1 to 2.5 mm²

230 V, 50/60 Hz
2 x 1 to 4 mm²

Line A1, 64 luminaires max.
2 x 1 to 2.5 mm²

B
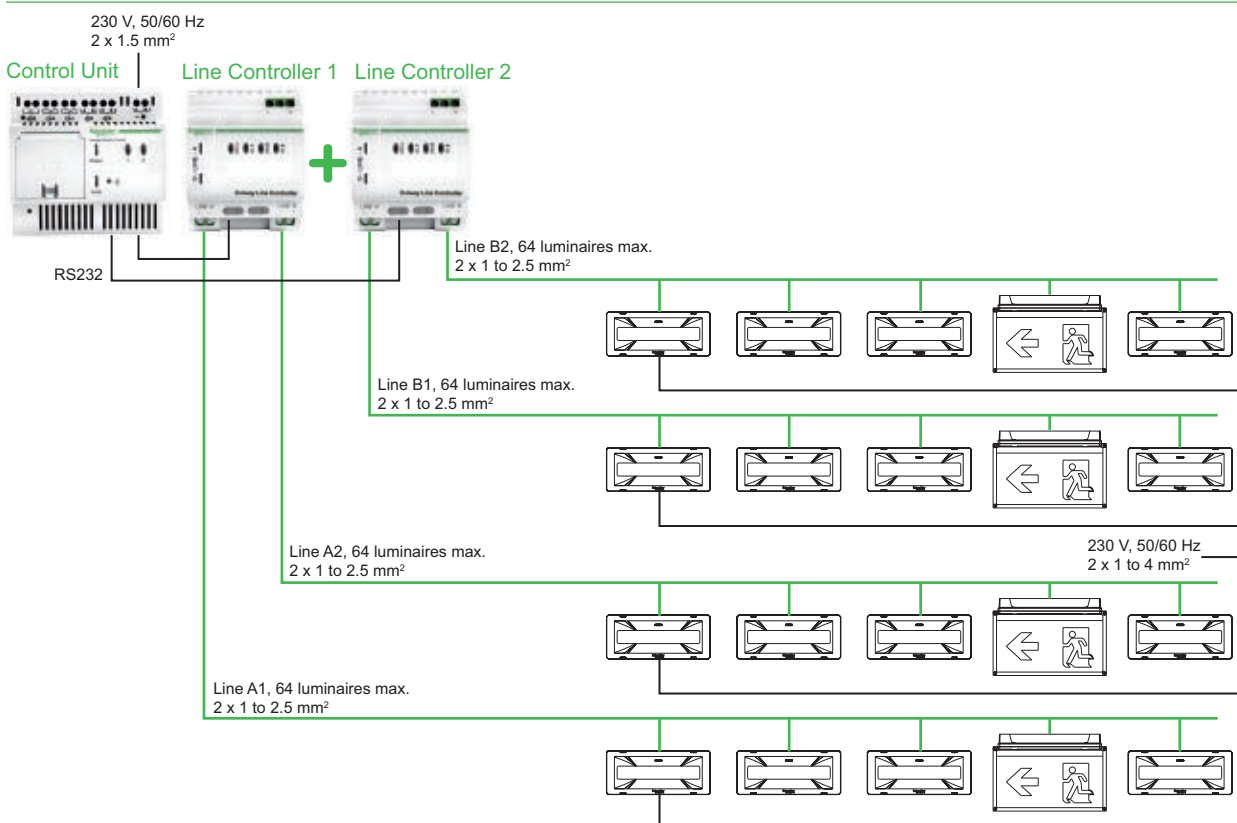
Emergency light fittings
Exiway Smartled DiCube
Presentation

High performance

120 to 1000 lumens in only
1 product size.

More universal with less product
and accessory references.

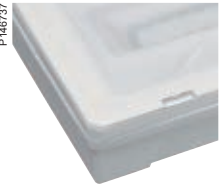IP65 degree of protection without
a need for accessories.

Thickness

Only a few millimeters below the
ceiling.

Very compact size with dimensions
that do not exceed 30 cm.

Aesthetic

With or without the provided frame.
Just a question of choice.

Discreet and aesthetic product.

C

Product delivered
non-assembled.

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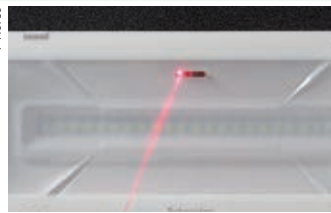
1. Best for maintenance

Product installed at a height?
Laser beam to launch the test. Result on led and sent to the TBS.

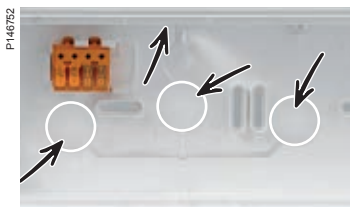Test button. Direct result on the test leds.

2. Customised

The aesthetic frame is used to customise the product shape. Provided with each product.

"Running man" pictogram displayed with aesthetic devices.

3. Fast, secure cabling

4 bi-material cable glands for Ø 16 mm and Ø 20 mm tubes and for cables.

Screwless connector 2 x 2.5 mm² per input.

False ceiling kit for numerous types and thicknesses of ceiling plates. Very thin product.

4. Easy to fasten and align
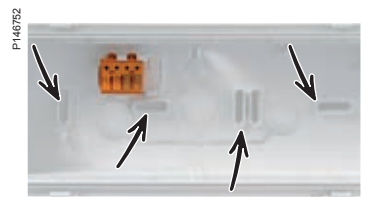
Several easy ways of fastening the light fitting. Easy to replace most of the existing products of the market.

5. Fast installation

The body can be pre-installed. Just insert the cable through the cable gland, insert the wires into the screwless connector and just click the reflector into place.

Emergency light fittings
Exiway Smartled DiCube
Technical specifications
Product catalogue numbers

Technical specifications

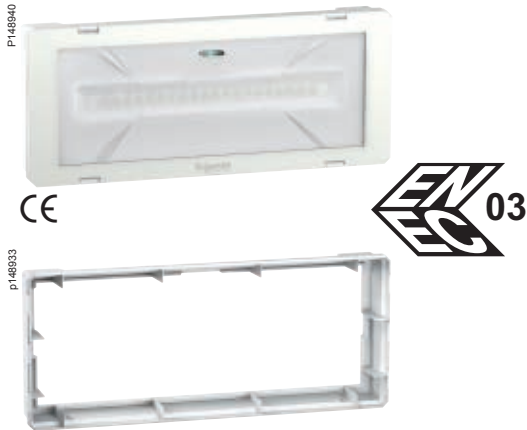■ Available for maintained and non-maintained operation: the maintained product can be used in non-maintained mode. The selection is made on the connector or via software and App. Maintained function can be selected from software and App.
■ Installation: quick fixing plate-body
■ Compliant with IEC/EN 60598-1 , IEC/EN 60598-2-22, IEC/EN 62034, IEC/ EN 62471 - group 0 standards
■ ENEC certification
■ Self-diagnosis, adressable versions: automatic addressing through Control Unit
■ Protection rating: IP65, IK07
■ Insulation class: II ▣
■ Installation even on flammable surfaces
■ Fire behaviour (IEC 60695-2-10), incandescent wire: 850°C
■ Operating temperature: 0…40°C
■ Case of self-extinguishing polycarbonate 94V-2 (UL 94)
■ Long-lasting LED light source (> 10 years expected in typical environment temperature* condition)
■ Power supply: 220/230 V, 50/60 Hz
■ Complete recharge:
□ in 12 h for model with 1 h and 2 h autonomy
□ in 24 h for model with 3 h autonomy (12 h for 2 h autonomy)
■ Battery: LiFePO4 technology with longer lifetime.

Products are delivered with an additional removable aesthetic frame.

Retrofitting compatibility with existing Dardo system.

(*) Typical environment temperature: 25°C.

Products

Exiway Smartled DiCube	Protection rating IP, IK	Autonomy (h)	Average flux (lm) in emergency condition (N.M)	maintained mode (M)	Consumption in recharge N.M/M (VA)	Consumption in maintenance N.M/M (W)	Battery (V)	(Ah)	Cat. no.	It	Be	Others
Non-maintained												
	IP65, IK07	1	210	-	3.1	0.3	3.2	1.5	**OVA48504**	■		■
			210	-	3.1	0.3	3.2	1.5	**OVA48514**		■	
			300	-	4.1	0.3	6.4	1.5	**OVA48507**	■		■
			450	-	3.9	0.3	6.4	1.5	**OVA48516**		■	
			650	-	3.9	0.3	6.4	1.5	**OVA48510**	■		■
			650	-	3.9	0.3	6.4	1.5	**OVA48517**		■	
			820	-	4.9	0.3	9.6	1.5	**OVA48512**	■		■
			1000	-	4.9	0.6	6.4	3.2	**OVA48521**	■	■	■
		2	120	-	3.1	0.3	3.2	1.5	**OVA48500**	■		■
			235	-	4.1	0.3	6.4	1.5	**OVA48506**	■		■
			550	-	4.9	0.3	9.6	1.5	**OVA48508**	■		■
			800	-	4.9	0.6	6.4	3.2	**OVA48520**	■	■	■
		3	180	-	4.1	0.3	6.4	1.5	**OVA48502**	■		■
			180	-	4.1	0.3	6.4	1.5	**OVA48513**		■	
Maintained												
	IP65, IK07	1	210	180	3.3/7.5	0.3/3.7	3.2	1.5	**OVA48505**	■		■
			210	180	3.1/7.5	0.3/3.7	3.2	1.5	**OVA48515**		■	
			650	300	4.3/8.8	0.4/4.0	6.4	1.5	**OVA48511**	■		■
			650	300	4.3/8.8	0.4/4.0	6.4	1.5	**OVA48518**		■	
		2	120	180	3.3/7.5	0.3/3.7	3.2	1.5	**OVA48501**	■		■
			550	300	5.2/9.4	0.6/4.1	9.6	1.5	**OVA48509**	■		■
		3	180	180	4.1/7.6	0.3/3.7	6.4	1.5	**OVA48503**	■		■

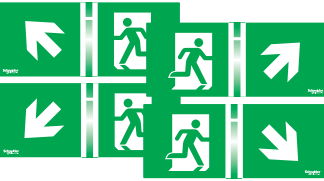Note: The maintained product can be used in Non-maintained mode. The selection is made on the connector.
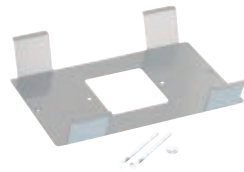
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Accessories

			Compatibility	Dimensions (mm) height x width x depth	Cat. no.	It	Be	Others
Picto Screen + 3 pictograms Visibility: 24 m With **1 set of 3 removable pictograms: Left/Right/Down**	ISO	P148935	All	127 x 304 x 30.5	OVA53158	■	■	■
Pictogram for Picto Screen Visibility: 24 m Removable **1 set of 4:** 45° Up Left/ 45° Up Right/ 45° Down Left//45° Down Right	ISO	P122463-P122464-P122465-P122466	All	121 x 297 x 0.5	OVA53165	■	■	■
Flush mounting box	White	P148934	All	123 x 296 x 47	OVA53157	■	■	■
False ceiling kit with 4 screws: 2 long and 2 short ones		P146734	All	-	OVA59823	■	■	■
Kit tube - connector **IP65** kit cable gland + metallic nut + rubber washer		P122454	All	Ø 20, M20	OVA53163	■	■	■
Protective grid **IK10**		P148937	All	178 x 356 x 73	OVA53160	■	■	■
Vetrosignal + 5 pictograms Visibility: 30 m With **1 set of 5 removable pictograms: Left/Right/Up/ Down/Opaline**	ISO	P148936	All	188 x 330 x 10	OVA53159	■	■	■
45 °pictograms for Vetrosignal Visibility: 30 m Removable **1 set of 4:** 45° Up Left/ 45° Up Right/ 45° Down Left//45° Down Right	ISO	P122468-P122469	OVA53159	187 x 330 x 0.5	OVA53164	■	■	■

Exiway Smartled DiCube
Spare parts
Dimensions

Spare parts

	Description	Compatibility	Cat. no.	It	Be	Others
Batteries (LiFePO4)	3.2 V, 1.5 Ah	OVA48500, OVA48501, OVA48504, OVA48505, OVA48514, OVA48515	**OVA51154**	■	■	■
	6.4 V, 1.5 Ah	OVA48502, OVA48503, OVA48506, OVA48507, OVA48510, OVA48511, OVA48513, OVA48516, OVA48517, OVA48518	**OVA51155**	■	■	■
	6.4 V, 3.2 Ah	OVA48520, OVA48521	**OVA51165**	■	■	■
	9.6 V, 1.5 Ah	OVA48508, OVA48509, OVA48512	**OVA51156**	■		■

Mounting dimensions

Base alone
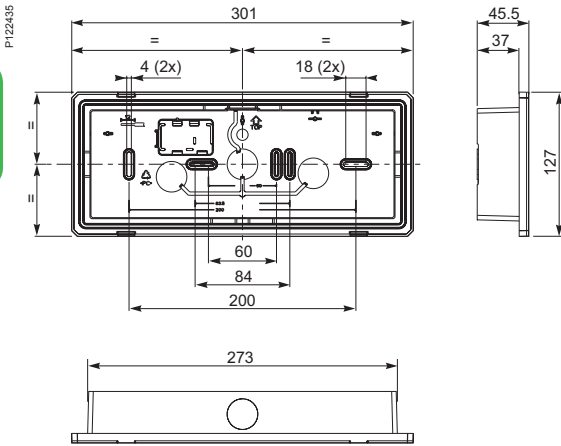
Front | Back
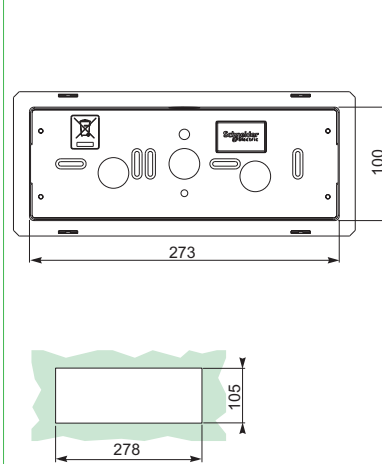
Base with aesthetic frame | **Base with Picto Screen**
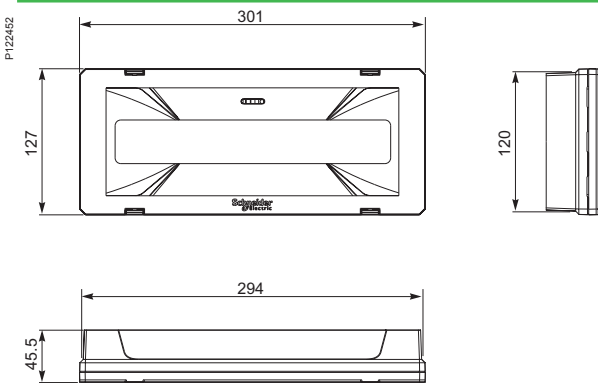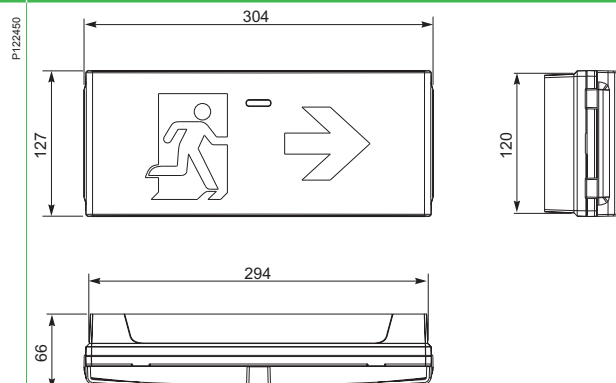
Emergency light fittings
Exiway Smartled DiCube
Dimensions

Mounting dimensions (cont.)

Base with Vetrosignal

P122451

301 · 45.5 · 127 · 10

224 · 188 · 150 · 310 · 330

Mounting box alone

P122449

296 · 47 · 284

= · = · 123 · 200 · 113 · 46 · 114 · 285

Base with False ceiling kit

P122476

65 · 70

210 · 196 · 170 · 3 · 61.5 · (4x) 40 · 37 · 273 · 301 · 100 · 127

C
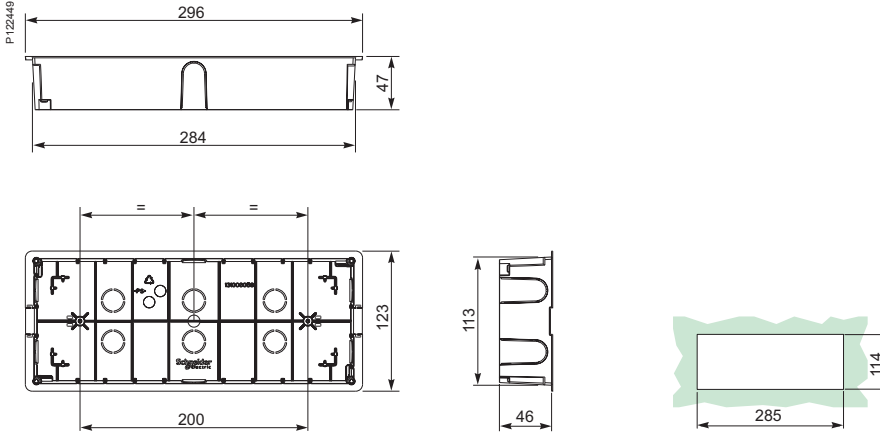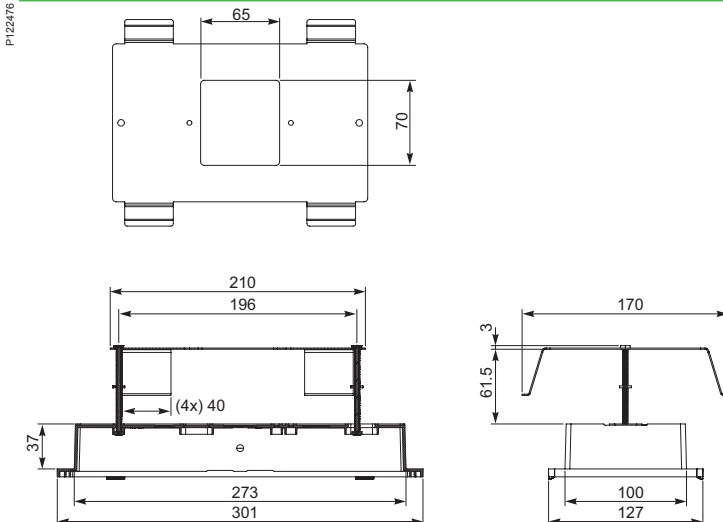
Emergency light fittings
Exiway One DiCube -25°C
Technical specifications
Product catalogue numbers
Accessories

Technical specifications
■ Available for maintained and non-maintained operation: the maintained product can be used in non-maintained mode. The selection is made on the connector or via software and App. Maintained function can be selected from software and App.
■ Installation: quick fixing plate-body
■ Compliant with IEC/EN 60598-1 , IEC/EN 60598-2-22, IEC/EN 62034, IEC/ EN 62471 - group 0 standards
■ ENEC certification
■ Self-diagnosis, adressable versions: automatic addressing through Control Unit
■ Protection rating: IP65, IK07
■ Insulation class: II ▣
■ Installation even on flammable surfaces
■ Fire behaviour (IEC 60695-2-10), incandescent wire: 850°C
■ Operating temperature: -25…40°C
■ Case of self-extinguishing polycarbonate 94V-2 (UL 94)
■ Long-lasting LED light source (> 10 years)
■ Power supply: 220/230 V, 50/60 Hz
■ Complete recharge in 12 h
■ Battery: Ni-Mh technology with longer lifetime.
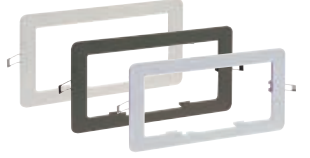
Retrofitting compatibility with existing Dardo system.

Products

Exiway One DiCube -25°C	Protection rating IP, IK	Autonomy (h)	Average flux (lm) in		Consumption in recharge N.M/M (VA)	Consumption in maintenance N.M/M (W)	Battery		Cat. no.	It	Be	Others
			emergency condition (N.M)	maintained mode (M)			(V)	(Ah)				
Maintained												
	IP65, IK07	1	270	270	13.5/21.8	3.4/5.9	4.8	2.0	**OVA48519**	■	■	■

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

Accessories

			Compatibility	Dimensions (mm) height x width x depth	Cat. no.	It	Be	Others
Pictogram stickers (set of 3) Left/Right/Down Visibility: 22 m	ISO		OVA48519	114 x 280 x 0.1	**OVA53058**	■	■	■
False ceiling kit*	White		OVA48519	190 x 350 x 32	**OVA53071**	■	■	■
	Black		OVA48519	190 x 350 x 32	**OVA53072**	■	■	■
	Aluminium		OVA48519	190 x 350 x 32	**OVA53073**	■	■	■
Frame for flush mounting box	White		OVA48519	194 x 364 x 35	**OVA53101**	■	■	■
	Black		OVA48519	194 x 364 x 35	**OVA53102**	■	■	■
	Aluminium		OVA48519	194 x 364 x 35	**OVA53103**	■	■	■
Flush mounting box			OVA48519	183 x 353 x 71	**OVA53083**	■	■	■
Protective grid			OVA48519	191 x 347 x 93	**OVA53098**	■	■	■

(*) Use these accessories only on sturdy material, like wood, metal or plaster plates (no glass wool plates).
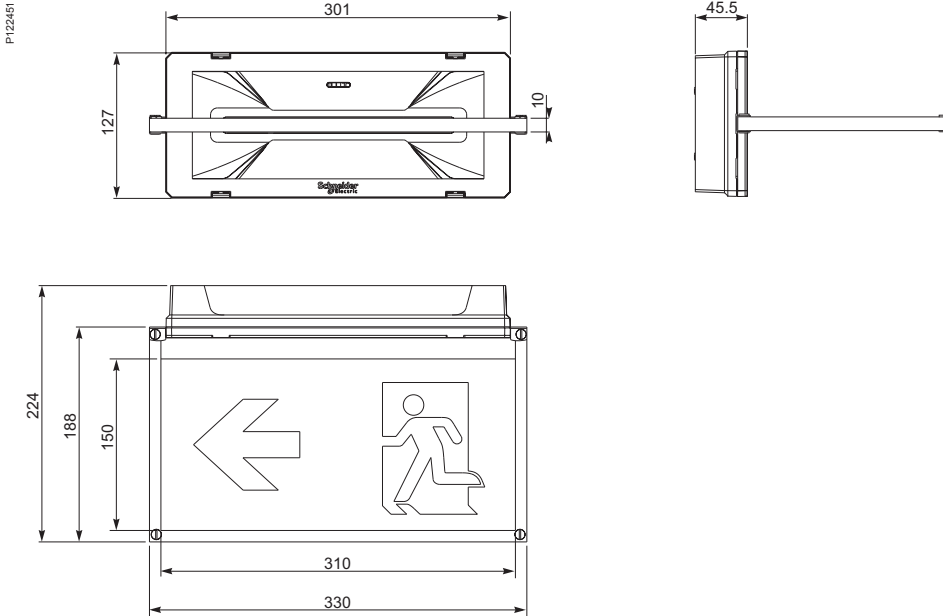
Life Is On | Schneider Electric

Emergency light fittings
Exiway One DiCube -25°C
Spare parts
Dimensions

Spare parts catalogue numbers

	Description	Compatibility	Cat. no.	It	Be	Others
Batteries (Ni-Mh) With battery heater	4.8 V, 2 Ah	OVA48519	**OVA51163**	■	■	■

P118929

Mounting dimensions

Base alone

P148140

300
146
ø 4
18
3
12
58
77
50
192
62

Mounting box alone

P106834

69
344
174
183
353
71

Dimensions in installation

False ceiling with false ceiling kit

P148143

350
56
190
6
10 - 35
321
156

False ceiling with flush mounting box and frame

P148142

364
69
194
174
4
10 - 35
344
344
174

Recessed with flush mounting box and frame

P148141

364
69
194
174
4
344

C

Emergency light fittings
Exiway Smartbeam DiCube
Technical specifications
Dimensions

P147581

Recessed version

CE

ENEC 17

P147334

Surface version

C

P147331

Recessed version with Vetrosignal kit accessory
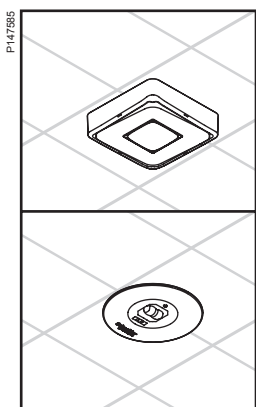
Technical specifications

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

Accessories

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

Dimensions(mm)
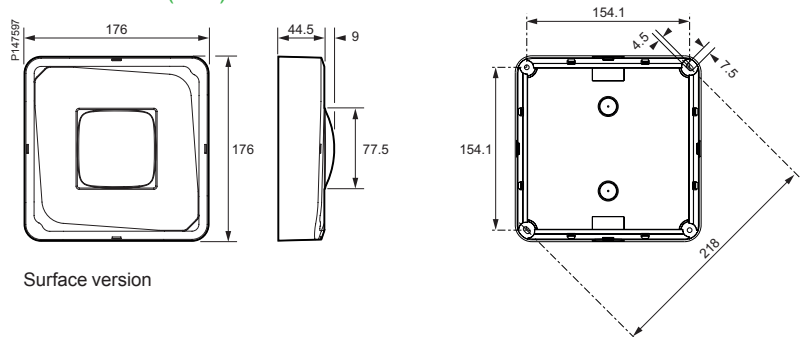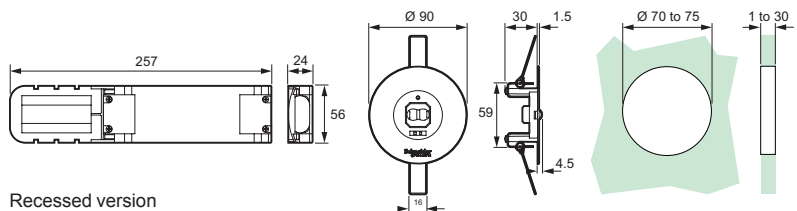
P147597

176   44.5   9
176   77.5

154.1   4.5   7.5
154.1   218

Surface version

Installation methods

P147585

Surface mounting
(installation without accessories)

False ceiling
(installation without accessories)

257   24   56

Ø 90   30   1.5
59   16   4.5

Ø 70 to 75   1 to 30

Recessed version

P147597

115.3   100
200
210

145
4

Recessed version with Vetrosignal kit accessory

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Emergency light fittings
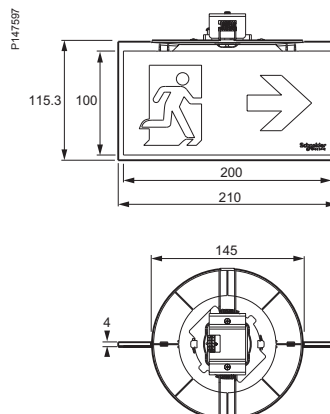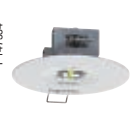
Exiway Smartbeam DiCube
Product catalogue numbers
Accessories
Spare parts

Products

Exiway Smartbeam DiCube	Protection rating	Autonomy (h)	Average flux (lm)		Consumption N.M/M		LiFePO4 battery		Weight (kg)	Cat. no.
			emergency condition	maintained mode	(VA)	(W)	(V)	(Ah)		
False ceiling	**Escape route**									
	IP42 IK04	1.5	200	200	3.9/8.3	0.43/3.5	3.2	1.5	0.292	**OVA48940**
		3	200	200	4.6/8.7	0.52/3.5	6.4	1.5	0.335	**OVA48944**
	Open area									
	IP42 IK04	1.5	220	220	3.9/8.3	0.43/3.5	3.2	1.5	0.292	**OVA48941**
		3	220	220	4.6/8.7	0.52/3.5	6.4	1.5	0.335	**OVA48945**
	5 lux									
	IP42 IK04	3	210	210	4.6/8.7	0.52/3.5	6.4	1.5	0.305	**OVA48948**
Surface	**Escape route**									
	IP65 IK07	1.5	190	190	3.9/8.3	0.43/3.5	3.2	1.5	0.479	**OVA48942**
		3	190	190	4.6/8.7	0.52/3.5	6.4	1.5	0.524	**OVA48946**
	Open area									
	IP65 IK07	1.5	220	220	3.9/8.3	0.43/3.5	3.2	1.5	0.479	**OVA48943**
		3	220	220	4.6/8.7	0.52/3.5	6.4	1.5	0.524	**OVA48947**
	High ceiling - Escape route									
	IP65 IK07	3	390	390	5.5/13.1	0.54/5.75	6.4	3.2	0.620	**OVA48950**
	High ceiling - Open area									
	IP65 IK07	3	390	390	5.5/13.1	0.54/5.75	6.4	3.2	0.620	**OVA48949**
	5 lux									
	IP65 IK07	3	200	200	4.6/8.7	0.52/3.5	6.4	1.5	0.525	**OVA48951**

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

Spare parts

	Description	Compatibility	Cat. no.
Batteries (LiFePO4)	3.2 V, 1.5 Ah	OVA48940 OVA48941 OVA48942 OVA48943	**OVA51154**
	6.4 V, 1.5 Ah	OVA48944 OVA48945 OVA48946 OVA48947 OVA48948 OVA48951	**OVA51157**
	6.4 V, 3.2 Ah	OVA48949 OVA48950	**OVA51158**

Accessories

		Compatibility	Dimensions (mm) height x width x depth	Cat. no.
Vetrosignal kit Visibility 20 m		False ceiling (escape route only)	115 x 210	**OVA53180**
with ISO pictograms (set of 5) right, left, down, up, opaline				
Pictogram screen kit 45°		False ceiling	115 x 210	**OVA53183**
Adaptator ring		False ceiling	Ø 140	**OVA53181**

Emergency light fittings
Exiway Smartduo Dicube
Presentation

Security guard in large spaces.

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

C

6. LED lighting

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

Leds are cooled for a longuer life span.

7. Adjustable beams

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

8. Batteries

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

9 Stand by light

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

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1. Reliable installation
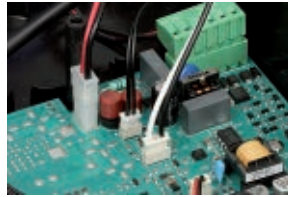
Easy to connect and fit.

2. Easy to maintain

Easy to maintain and replace parts.

3. Extremely robust to provide a high level of protection

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

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

4. Push button

Push button available for manual test or fix the address in professional addressing with Dicube.
The 2 red and green LED indicators display the product status.

5. Laser function

Laser function maintenance thanks to laser receiver on the product.

Emergency light fittings
Exiway Smartduo Dicube
Technical specifications
Dimensions

Technical specifications
- 2 headlights with LED light source providing 1200 lm each
- The searchlights rotate on their axis from 90° to 45° for pointing in any direction
- Non-maintained emergency luminaires
- Compliant with IEC/EN 60598-1, IEC/EN 60598-2-22, IEC/EN 62034, IEC/ EN 62471 - group 2 standards
- ENEC certification
- Self-diagnosis, adressable versions: automatic addressing through Control Unit
- Protection rating: IP65
- Insulation class: II ▣
- Operating temperature: 0…40°C
- Fire behaviour (EN 60695-2-10), incandescent wire: 850°C
- Long-lasting LED light source 6 LEDS x 3 W each headlight
(> 10 years expected in typical ambient temperature* condition)
- Power supply: 230 V, 50/60 Hz
- Complete recharge in 12 h
- Battery: LiFePO4 technology with longer lifetime.

Fixing bracket and cable gland included in the product.

Retrofitting compatibility with existing Dardo system.

(*) Typical environment temperature: 25°C.
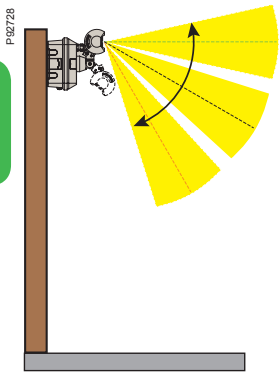
Possible installation with vertical and horizontal regulation.

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

Mounting dimensions

Exiway Smartled DiCube
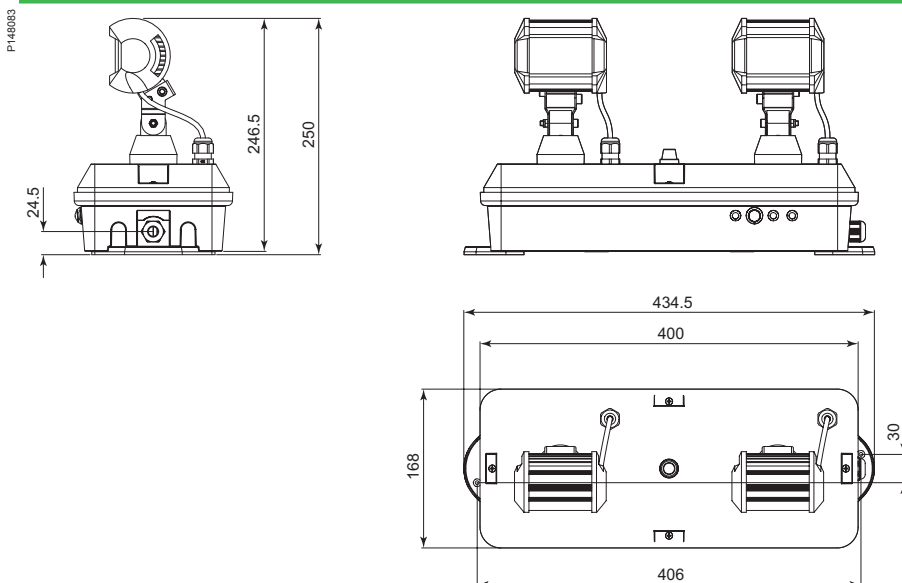
Exiway Smartduo DiCube
Product catalogue numbers
Spare parts

Products

Exiway Smartduo Dicube	Protection rating IP/IK	Autonomy (h)	Average flux (lm) in		Consumption in recharge N.M (VA)	Consumption in maintenance N.M (W)	Battery		Cat. no.	It	Be	Others
			emergency condition (N.M)	maintained mode (M)			(V)	(Ah)				
Non-maintained												
	IP65, IK07	1	2400	-	11	1.5	12.8	6.4	**OVA48060**	■	■	■

Spare parts

	Description	Compatibility	Dimensions (mm) height x width x depth	Cat. no.	It	Be	Others
Batteries (LiFePO4)	12.8 V, 6.4 Ah	OVA48060	-	**OVA51169**	■	■	■

Emergency exit signs
Exiway Smartexit DiCube
Presentation

Wall

Safety signals

The new line of Exiway Smartexit DiCube safety signalling devices is the modern answer to the demand for simplicity and functionality, without having to forego fine styling.

Thanks to its advanced and innovative design, Smartexit DiCube is ready for any application, in any situation.

Ceiling

Installation accessory-free

Exiway Smartexit DiCube can be installed in all types of use without the need of any accessory: wall, ceiling, and even flag.

The innovative Flexi system lets you direct the signalling screen 90° to the body and offers the availability of vertical signalling along the corridor. It simplifies installation in an amazing way, with a high-level result in terms of style.

Flag

Performance abreast with the times

The visibility distance of 26 and 32 metres ensures optimum signal visibility, both in medium-size rooms and in larger areas. The most commonly used pictograms are supplied, but arrow up and 45° signals are also available. All the Exiway Smartexit DiCube pictograms are interchangeable and compliant with the ISO7010 and UNI EN 1838 standards.

D

Emergency exit signs
Exiway Smartexit DiCube
Technical specifications
Product catalogue numbers

CE

Wall installation, 26 meters version

CE

Ceiling installation (here with large screen), 32 meters version

Technical specifications

- Available for maintained and non-maintained operation: the product can be used in non-maintained mode. The selection is made on the connector or via software and App. Maintained function can be selected from software and App.
- Compliant with IEC/EN 60598-1 , IEC/EN 60598-2-22, IEC/EN 62034, IEC/ EN 62471 - group 0 standards
- ENEC certification
- Self-diagnosis, adressable versions: automatic addressing through Control Unit
- Protection rating: IP40, IK04
- Insulation class: II
- Installation even on flammable surfaces
- Fire behaviour (IEC 60695-2-10), incandescent wire: 850°C
- Operating temperature: 0…40°C
- Case of self-extinguishing polycarbonate 94V-2 (UL 94)
- Long-lasting LED light source 18 x 0.1 W (> 10 years expected in typical environment temperature* condition)
- Power supply: 220/230 V, 50/60 Hz
- Complete recharge:
  □ in 12 h for model with 1.5 h autonomy
  □ in 24 h for model with 3 h autonomy (12 h for 2 h autonomy)
- Battery: LiFePO4
- Can be installed in false ceiling (with kit not included)
- Exit sign screens easy to install in precise position
- Delivered with 6 pictograms: Right, Left, Up, Down, Vertical up and White
- Wall and vertical Flag installation available without accessories.

Retrofitting compatibility with existing Dardo system.

(*) Typical environment temperature: 25°C.

Products

Exiway Smartexit DiCube	Protection rating IP, IK	Autonomy (h)	Visibility distance (m)	Consumption in recharge N.M/M (VA)	Consumption in maintenance N.M/M (W)	Battery (V)	(Ah)	Cat. no.
Delivered with 6 pictograms	**Maintained**							
	IP40, IK04	1.5	26	3.1	0.4	3.2	1.5	**OVA48604**
			32	3.1	0.4	3.2	1.5	**OVA48606**
		3	26	3.1	0.4	3.2	1.5	**OVA48605**
			32	3.1	0.4	3.2	1.5	**OVA48607**

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

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Emergency exit signs
Exiway Smartexit DiCube
Accessories
Spare parts

Accessories

		Compatibility	Dimensions (mm) height x width x depth	Cat. no.
Pictogram for Picto Screen Visibility: 26 m Removable **Set of 7:** **2: 45° Up Left / Right** **2: 45° Down Left / Right** **1: Vertical Down** **2: Vertival Left / Right**	ISO	All	140 x 260 x 0.3	**OVA53173**
Pictogram for Picto Screen Visibility: 32 m Removable **Set of 7:** **2: 45° Up Left / Right** **2: 45° Down Left / Right** **1: Vertical Down** **2: Vertival Left / Right**	ISO	All	168 x 308 x 0.3	**OVA53174**
Hanging kit Allows to separate the pictogram screen from the body, up to 1 meter below		All		**OVA53175**
Protective grid **IK10**		26 m versions	254.5 x 312 x 72	**OVA53176**
		32 m versions	292.5 x 388 x 72	**OVA53177**

Spare parts

	Description	Compatibility	Cat. no.
Batteries (LiFePO4)	3.2 V, 1.5 Ah	OVA48604, OVA48605, OVA48606, OVA48607	**OVA51154**

Mounting dimensions

26 m model

Wall mounting	Ceiling mounting

P122435

260
45
190

P122450

260
95
190
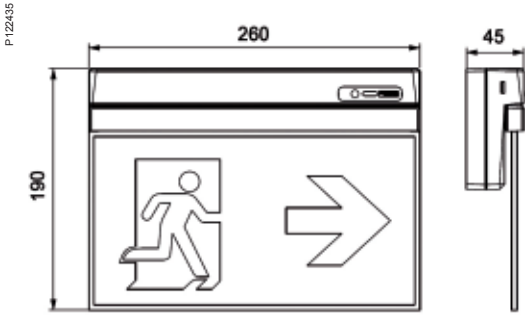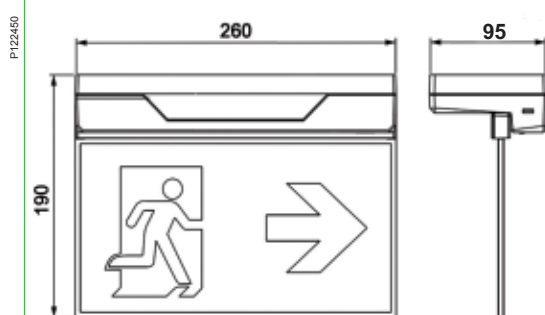
32 m model

Wall mounting	Ceiling mounting
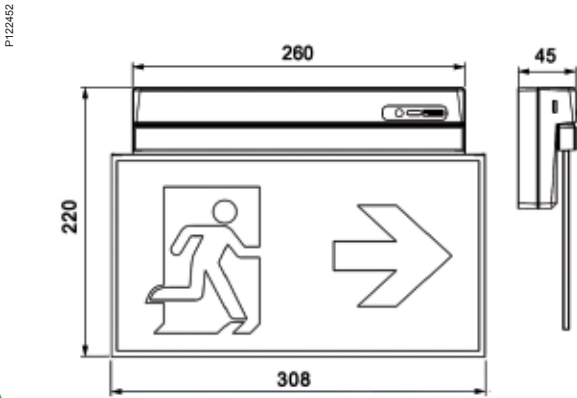
P122452

260
45
220
308

P122450

260
95
220
308

D

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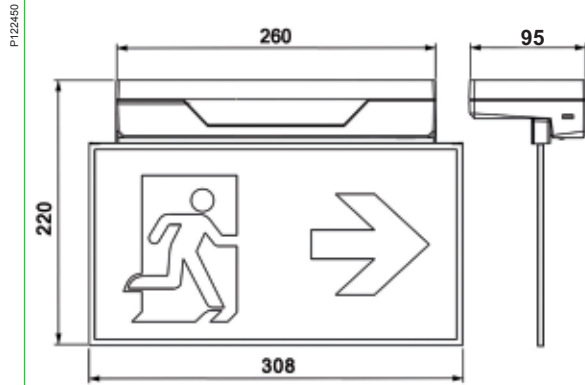
Emergency lighting and other systems

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

E

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.

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.
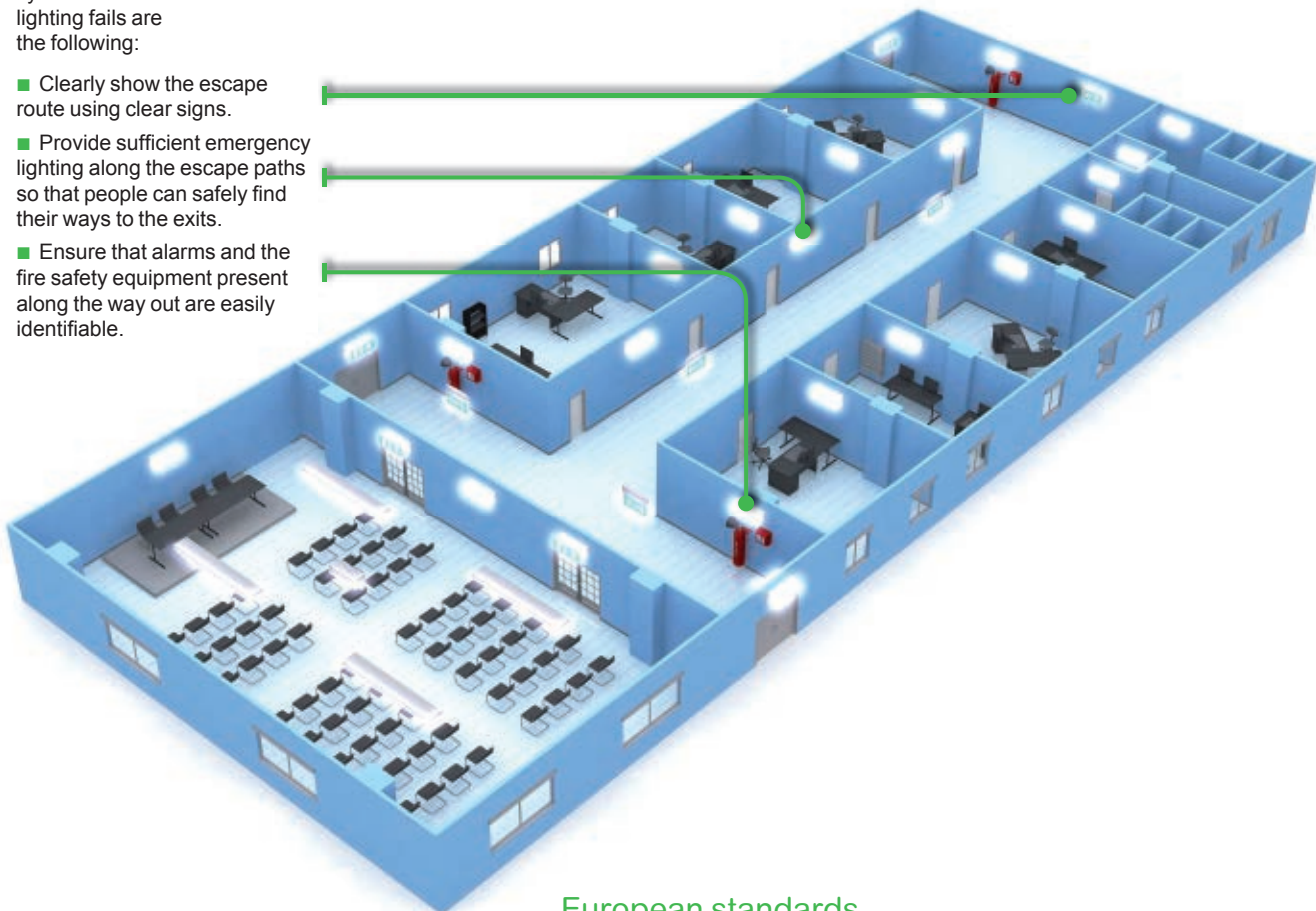
European standards

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".

E

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The lighting design

Certain fundamental elements must be considered for the initial stage of the design job. One of the more important is the plan of the area which is used to determine:
■ The areas to light. It is also important to consider the position of the fire safety points on the plan to project the area properly.
■ The exit paths to see if they are escape routes or open spaces.
■ Areas outside the exit paths such as lifts, toilets and plant rooms.
■ Outside areas, to determine the lighting necessary outside the exit.
■ Luminaire operating mode, maintained or non-maintained.
■ During operation, 1 hour or 3 hours according to the applicable standards.

In order to identify these areas, it is very important to apply certain principles based on safety logic, taking points from the EN 1838 standard.
In addition, the standard is fundamental to decide where and how to install the luminaires for the emergency lighting. The national laws should be used to decide the lighting parameters for the different areas.

Design stages

The following diagram can be used to simplify the various steps taken to perform design:
▶ Stage 1
Install the luminaires and the safety signs where necessary
■ Standard 1838, section 4.1, requires the luminaires to be installed at least 2 metres from the floor. This is so that they can be seen if the area needs to be evacuated; the same paragraph explains where and how to install the emergency system luminaires.
■ Installation of the luminaire signs and safety lighting according to EN 1838.
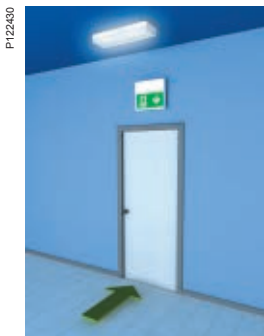
At every exit door planned to be used in an emergency.

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

Near and immediately each outside exit.
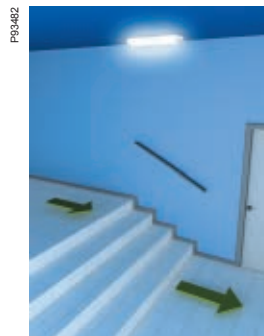
Near the stairs so that each step receives direct light.

At each point where there is a change of direction.

Near every first-aid zone.

Near every change in floor level.

At every corridor intersection.

Near every fire safety device and call point.
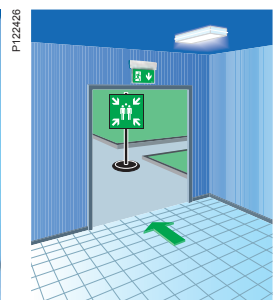
Near to each final exit and outside the building to a place of safety.

E
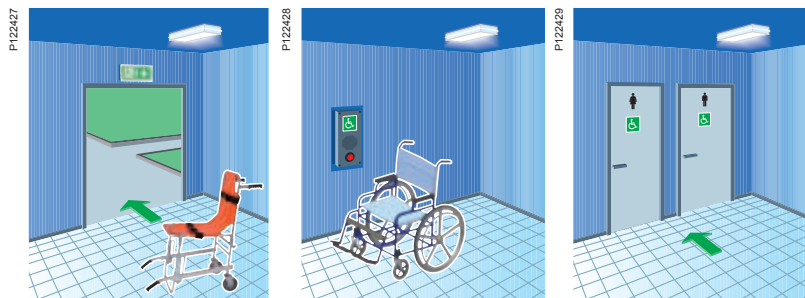
Near escape equipment provided for the disabled.

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

The most common format.

▶ Stage 2

Safety signs for escape routes

■ It is very important for the best escape route be very clearly marked, allowing fast and safe evacuation of the areas and the buildings.

■ The effectiveness of the sign basically depends on the size, the colour, the placing and how well the sign can be seen.

■ European standards have established that word formats, for example "EXIT", should now be considered obsolete, and have decided in favour of pictograms which show a design in white with a green background (the so-called "running man in door").

Maximum viewing distance

■ It is important to ensure that the signs which mark the escape routes are visible from all sides. This depends on the size of the sign as well as its position.

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

□ "l" is the maximum viewing distance

□ "h" is the height of the pictogram

□ "z" = 100 for externally lighted signs
= 200 for internally lighted signs.
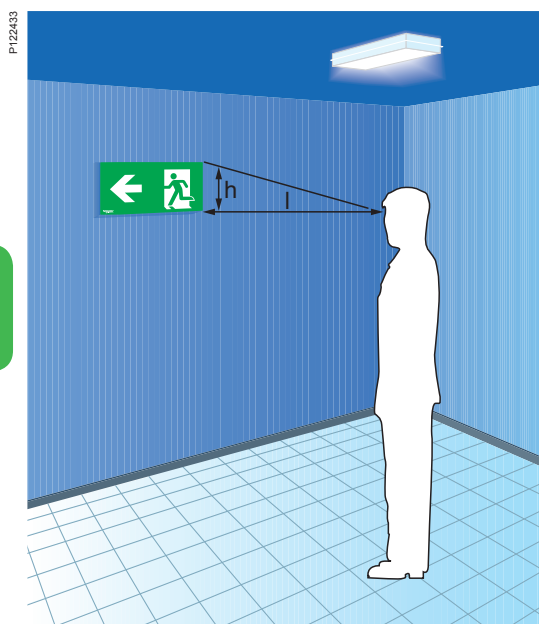
Typical example of measuring position.
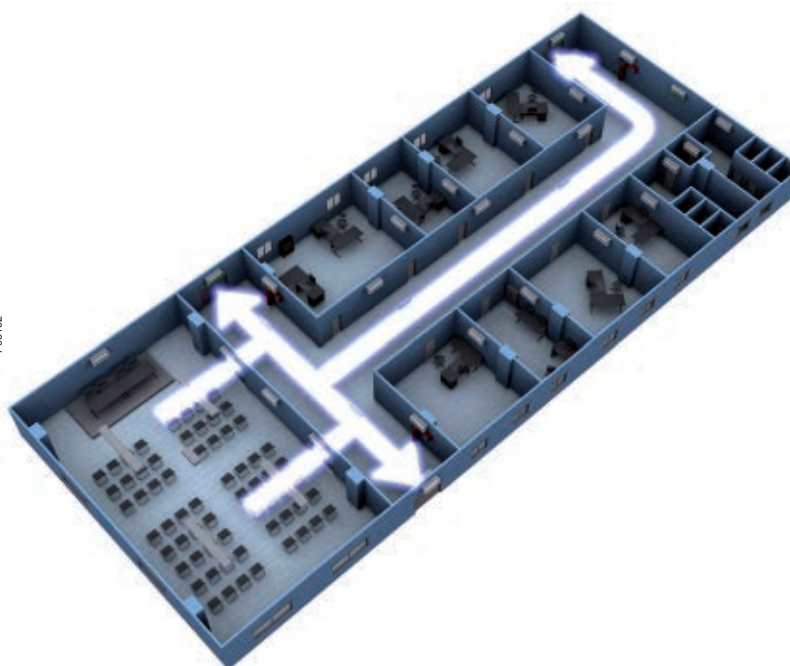
► **Stage 3**

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

Example: 2 m wide corridor.
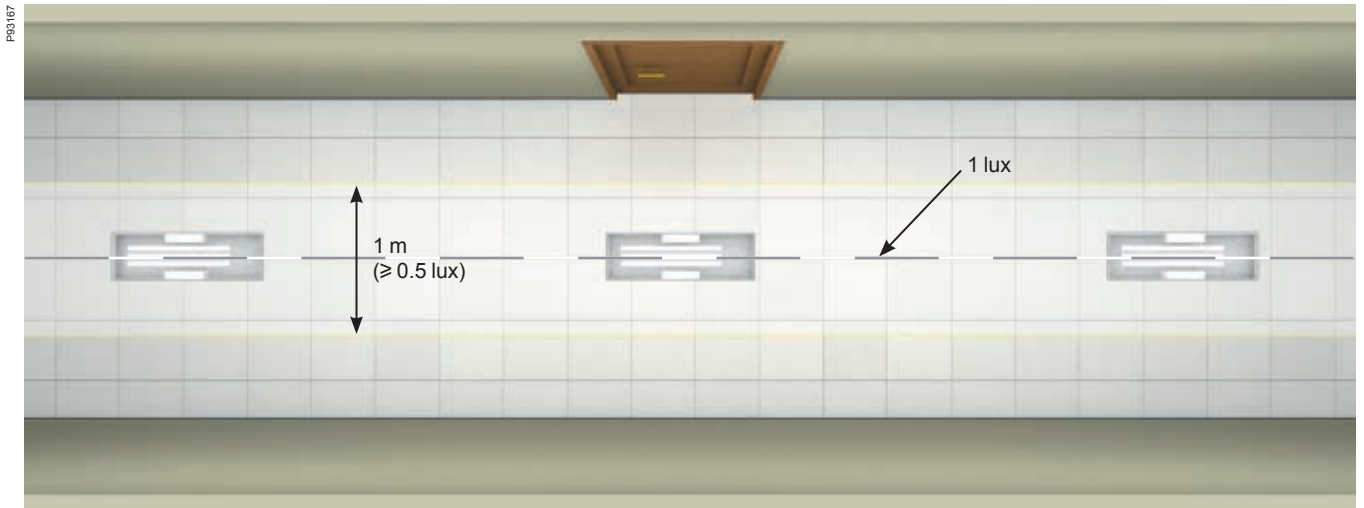
In some countries there are country-specific divergences that replace the European standard regulations.

■ We should note two comment notes from EN 1838 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.
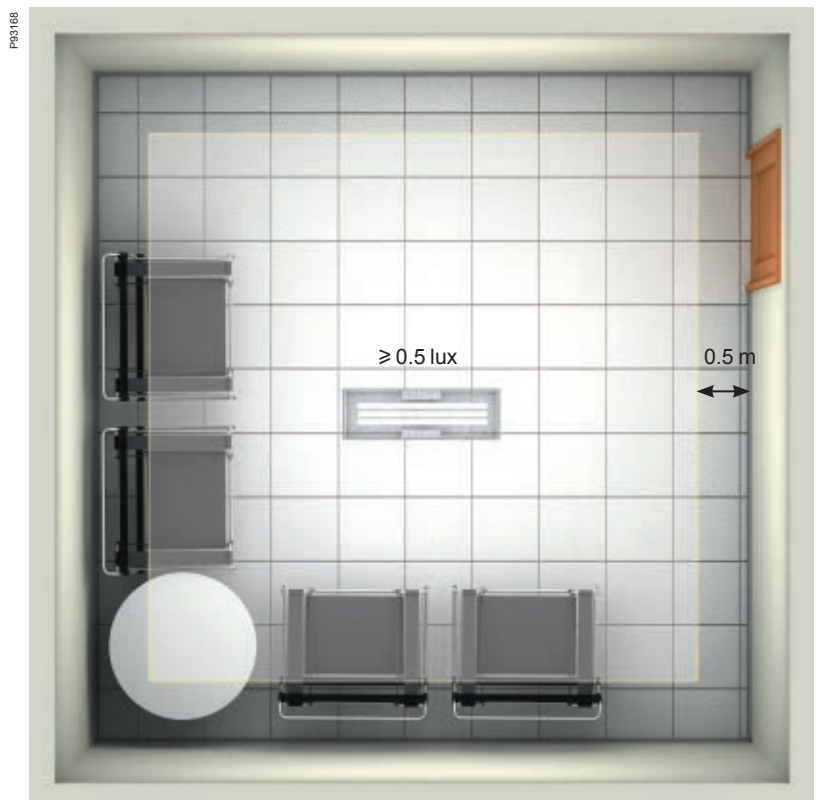
Light in anti-panic areas.

E

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

Open (Anti-Panic) areas

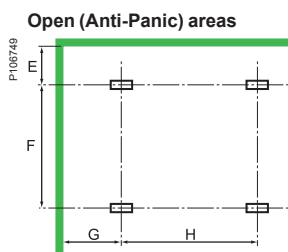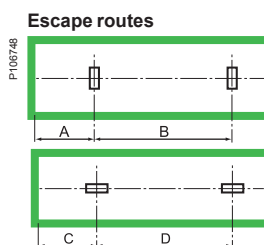| Catalogue number	Installation height for ceiling mounting	Lux level directly under luminaires	Escape routes 1 Lux min. Along centreline				Area covered to obtain more than 1 Lux on the ground	Open (Anti-Panic) areas 0.5 Lux min. Luminaires arranged in a regular array				Area covered to obtain 0.5 Lux on the ground
			A	B	C	D		E	F	G	H	
	(m)	(lux)	(m)				(m²)	(m)				(m²)
OVA48500	2.00	12.06	2.80	8.38	2.73	6.72	23.21	2.98	4.71	2.92	4.00	41.06
OVA48501	2.50	7.72	3.06	7.55	2.95	7.34	26.03	3.24	5.42	3.15	4.41	44.63
	2.80	6.15	3.16	7.96	3.03	7.71	30.32	3.36	6.20	3.24	5.21	45.49
	3.00	5.36	3.22	8.22	3.08	7.89	29.45	3.43	6.75	3.30	5.95	48.87
	3.50	3.94	3.26	8.76	3.10	8.34	29.16	3.55	8.84	3.40	8.49	52.85
	4.00	3.02	3.24	9.08	3.07	8.58	28.56	3.67	9.31	3.50	8.96	61.88
	5.00	1.93	3.03	9.33	2.86	8.77	26.03	3.78	10.26	3.59	9.81	59.50
	6.00	1.34	2.33	9.21	2.15	8.64	10.71	3.76	11.03	3.51	10.46	64.26
	7.00	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OVA48502	2.00	18.09	3.23	9.38	3.08	7.60	33.32	3.25	8.50	3.12	7.70	51.77
OVA48503	2.50	11.58	3.44	10.30	3.38	8.32	35.33	3.56	5.89	3.50	4.97	61.36
OVA48513	2.80	9.23	3.62	8.96	3.52	8.71	39.65	3.74	6.29	3.66	5.22	66.48
	3.00	8.04	3.70	9.20	3.61	8.90	40.17	3.84	6.58	3.75	5.37	65.60
	3.50	5.91	3.92	9.86	3.72	9.55	47.38	4.06	7.30	3.88	6.23	69.25
	4.00	4.52	4.00	10.43	3.80	9.97	42.84	4.18	9.40	3.99	8.86	80.93
	5.00	2.89	3.98	11.20	3.77	10.54	44.63	4.39	11.47	4.19	11.16	94.83
	6.00	2.01	3.75	11.44	3.53	10.71	42.84	4.54	12.03	4.30	11.61	85.69
	7.00	1.48	3.15	11.39	2.94	10.65	21.87	4.50	13.32	4.23	12.54	87.47
	8.00	1.13	1.96	11.00	1.85	10.39	19.04	4.35	14.01	4.13	13.19	76.17
	9.00	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OVA48504	2.00	21.10	3.57	9.61	3.23	7.94	38.08	3.51	8.59	3.22	7.87	55.93
OVA48505	2.50	13.51	3.60	10.93	3.54	8.66	39.98	3.65	8.54	3.60	7.40	66.48
OVA48514	2.80	10.77	3.78	9.71	3.68	9.05	42.57	3.87	6.52	3.78	5.46	75.81
OVA48515	3.00	9.38	3.91	9.70	3.81	9.33	45.52	3.97	6.82	3.88	5.66	77.65
	3.50	6.89	4.13	10.23	3.96	10.00	47.38	4.25	7.34	4.09	6.02	78.36
	4.00	5.28	4.25	10.86	4.07	10.52	52.36	4.37	9.35	4.20	8.36	86.88
	5.00	3.38	4.31	11.87	4.09	11.20	59.50	4.60	12.00	4.39	11.67	96.69
	6.00	2.35	4.20	12.27	3.97	11.59	42.84	4.78	12.96	4.55	12.51	107.11
	7.00	1.72	3.80	12.33	3.57	11.54	43.74	4.86	13.91	4.59	13.21	116.63
	8.00	1.32	3.03	12.17	2.79	11.41	19.04	4.81	14.56	4.48	13.84	114.25
	9.00	1.04	1.39	11.69	1.26	10.92	0.00	4.65	15.36	4.29	14.48	96.40
OVA48506	2.00	23.62	3.84	9.85	3.33	8.20	40.46	3.98	5.21	3.51	4.79	57.72
	2.50	15.12	3.74	11.31	3.67	8.93	42.77	3.75	10.23	3.69	9.09	75.31
	2.80	12.05	3.93	11.73	3.82	9.41	45.49	3.98	6.60	3.88	5.64	80.47
	3.00	10.50	4.02	10.30	3.95	9.70	48.87	4.06	6.90	4.00	5.85	85.69
	3.50	7.71	4.28	10.58	4.13	10.28	51.02	4.34	7.59	4.21	6.21	87.47
	4.00	5.90	4.48	11.22	4.25	10.91	61.88	4.57	8.38	4.36	7.16	90.45
	5.00	3.78	4.58	12.35	4.35	11.71	59.50	4.78	12.37	4.56	12.04	102.27
	6.00	2.62	4.52	12.93	4.28	12.21	64.26	5.01	13.23	4.77	12.89	117.82
	7.00	1.93	4.25	13.06	4.00	12.28	51.02	5.09	14.27	4.82	13.67	116.63
	8.00	1.48	3.60	13.02	3.35	12.17	28.56	5.07	15.29	4.76	14.40	114.25
	9.00	1.17	2.50	12.66	2.29	11.91	24.10	4.98	15.93	4.60	15.02	96.40
OVA48507	2.00	30.15	4.34	10.24	3.57	8.78	48.20	4.47	5.35	3.77	5.11	67.83
	2.50	19.30	4.20	11.87	3.92	9.60	55.79	4.05	10.71	3.81	9.72	83.68
	2.80	15.38	4.23	12.67	4.11	10.10	55.98	4.16	11.52	4.06	10.24	94.47
	3.00	13.40	4.32	13.12	4.24	10.39	57.57	4.28	9.52	4.21	8.26	95.73
	3.50	9.84	4.60	11.54	4.48	11.09	61.96	4.63	7.95	4.52	6.70	109.34
	4.00	7.54	4.85	11.97	4.68	11.64	65.45	4.89	8.68	4.74	7.04	107.11
	5.00	4.82	5.13	13.27	4.87	12.80	81.82	5.23	10.97	4.99	10.15	126.45
	6.00	3.35	5.17	14.24	4.90	13.44	85.69	5.42	14.35	5.17	13.99	139.24
	7.00	2.46	5.04	14.63	4.77	13.76	65.60	5.63	15.16	5.35	14.66	160.36
	8.00	1.88	4.76	14.79	4.48	13.91	57.12	5.70	16.23	5.39	15.57	152.33
	9.00	1.49	4.10	14.71	3.82	13.81	48.20	5.69	17.08	5.34	16.25	144.60
	10.00	1.21	3.06	14.33	2.82	13.49	29.75	5.60	17.85	5.20	16.84	133.88
OVA48508	2.00	51.68	4.60	10.87	4.44	10.43	67.54	4.84	6.34	5.00	5.73	90.74
OVA48509	2.50	33.08	5.36	12.65	4.91	11.57	82.28	5.33	7.06	5.78	6.69	117.15
	2.80	26.37	5.74	13.73	5.16	12.15	89.22	5.50	7.39	6.07	7.20	132.96
	3.00	22.97	6.02	14.35	5.30	12.58	93.05	5.29	7.61	5.93	7.52	139.91
	3.50	16.88	6.58	15.96	5.66	13.60	103.87	4.93	13.95	5.65	14.22	163.10
	4.00	12.92	5.66	17.40	5.93	14.37	102.35	5.77	10.08	5.53	10.55	182.08
	5.00	8.27	6.12	17.00	6.34	15.70	119.01	6.31	9.71	6.11	10.72	210.12
	6.00	5.74	6.55	16.53	6.61	16.75	136.56	6.59	10.51	6.53	12.03	219.57
	7.00	4.22	6.70	17.77	6.82	17.52	127.56	6.89	12.71	6.78	14.91	240.55
	8.00	3.23	6.71	18.58	6.77	18.25	147.57	7.09	13.86	7.04	13.32	247.54
	9.00	2.55	6.60	19.14	6.60	18.64	144.60	7.21	15.67	7.21	14.94	283.17
	10.00	2.07	6.31	19.32	6.37	18.90	119.01	7.30	17.98	7.24	17.45	245.45
	11.00	1.71	5.91	19.38	5.91	18.96	108.00	7.26	20.59	7.26	20.33	288.00
	12.00	1.44	5.28	19.26	5.16	18.75	53.55	7.17	22.31	7.33	22.22	278.48
	13.00	1.22	4.16	19.07	4.10	18.38	50.28	7.13	23.36	7.23	23.26	289.12
	14.00	1.05	2.34	18.45	2.28	17.75	0.00	6.90	24.04	7.08	23.72	233.26

E

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Emergency light fittings spacing tables

Smartled

Escape routes

Open (Anti-Panic) areas

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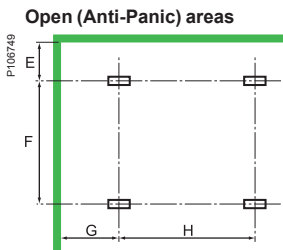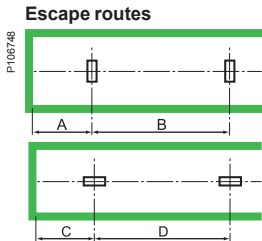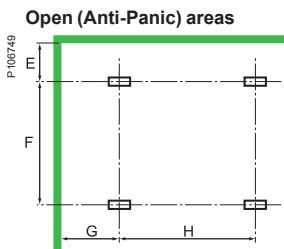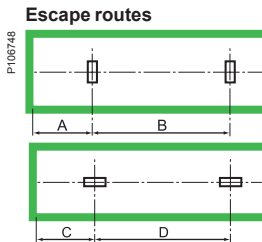D and H: Axial spacing between luminaires

Catalogue number	Installation height for ceiling mounting	Lux level directly under luminaires	Escape routes 1 Lux min. Along centreline				Area covered to obtain more than 1 Lux on the ground	Open (Anti-Panic) areas 0.5 Lux min. Luminaires arranged in a regular array				Area covered to obtain 0.5 Lux on the ground
			A	B	C	D		E	F	G	H	
	(m)	(lux)	(m)				(m²)	(m)				(m²)
OVA48510	2.00	61.08	4.71	11.09	4.66	10.85	71.41	5.08	5.98	5.03	6.65	98.18
OVA48511	2.50	39.09	5.49	12.98	5.13	12.08	88.79	5.96	6.87	5.60	7.37	128.77
OVA48517	2.80	31.16	5.94	14.07	5.44	12.73	102.63	6.33	7.39	5.84	7.81	142.29
OVA48518	3.00	27.15	6.22	14.80	5.58	13.17	104.43	6.55	7.71	5.93	8.03	153.97
	3.50	19.94	6.80	16.43	5.94	14.20	117.54	5.90	14.86	5.22	14.76	175.85
	4.00	15.27	7.29	18.02	6.28	15.05	119.01	6.20	15.70	5.41	15.41	207.07
	5.00	9.77	6.34	17.79	6.70	16.57	135.74	6.34	10.97	6.66	10.15	238.02
	6.00	6.79	6.90	19.50	7.03	17.71	144.60	6.85	12.44	6.97	11.07	249.02
	7.00	4.99	7.19	18.59	7.31	18.58	167.65	7.19	14.39	7.31	12.48	269.70
	8.00	3.82	7.33	19.68	7.40	19.41	152.33	7.46	16.21	7.52	13.86	280.86
	9.00	3.02	7.29	20.44	7.35	19.91	180.74	7.66	14.60	7.73	15.47	313.29
	10.00	2.44	7.13	20.81	7.13	20.36	163.64	7.82	16.47	7.82	17.29	334.71
	11.00	2.02	6.81	21.06	6.87	20.52	144.00	7.85	18.75	7.92	19.33	288.00
	12.00	1.70	6.38	21.05	6.38	20.59	128.53	7.88	21.37	7.88	21.65	342.74
	13.00	1.45	5.79	21.06	5.65	20.41	87.99	7.90	24.40	7.72	24.51	326.83
	14.00	1.25	4.68	20.72	4.62	20.07	58.31	7.81	25.08	7.71	25.42	349.88
	15.00	1.09	3.05	20.33	3.05	19.58	50.21	7.59	25.62	7.59	25.74	267.77
OVA48512	2,00	77,06	4,89	11,56	4,95	11,63	81,52	5,24	6,25	5,30	7,11	108,89
	2,50	49,32	5,68	13,41	5,49	12,86	103,67	6,12	7,16	5,92	7,83	139,46
	2,80	39,31	6,14	14,54	5,74	13,53	111,96	6,61	7,69	6,21	8,27	161,53
	3,00	34,25	6,43	15,27	5,95	13,97	121,83	6,90	8,02	6,42	8,61	171,37
	3,50	25,16	7,18	17,05	6,38	15,02	136,67	7,40	8,89	6,64	9,14	205,92
	4,00	19,26	7,77	18,68	6,72	16,05	151,14	6,57	16,59	5,75	16,70	226,12
	5,00	12,33	6,82	21,50	7,28	17,68	156,20	6,67	11,36	7,08	10,87	275,21
	6,00	8,56	7,41	20,61	7,68	19,12	179,41	7,30	12,87	7,55	11,80	305,26
	7,00	6,29	7,84	19,82	7,98	20,09	189,52	7,77	14,35	7,90	12,66	309,79
	8,00	4,82	8,14	21,06	8,21	21,05	214,21	8,11	16,11	8,18	13,85	347,50
	9,00	3,81	8,25	22,14	8,32	21,74	192,79	8,32	18,03	8,39	15,43	355,46
	10,00	3,08	8,17	22,91	8,24	22,31	223,14	8,53	16,26	8,60	17,25	386,78
	11,00	2,55	8,07	23,29	8,07	22,79	216,00	8,70	18,09	8,70	19,00	423,00
	12,00	2,14	7,79	23,59	7,79	22,98	171,37	8,77	20,61	8,77	21,26	396,30
	13,00	1,82	7,43	23,62	7,43	23,11	150,84	8,78	23,22	8,78	23,53	402,25
	14,00	1,57	6,90	23,60	6,83	22,98	174,94	8,85	24,14	8,76	24,46	451,93
	15,00	1,37	6,14	23,44	5,98	22,81	66,94	8,82	27,68	8,61	27,83	401,65
	16,00	1,20	4,89	23,15	4,82	22,41	76,17	8,71	28,47	8,58	28,62	380,83
	17,00	1,07	3,07	22,61	3,00	21,77	0,00	8,56	28,91	8,36	29,06	343,93
OVA48516	2.00	45.22	4.66	10.79	4.06	9.66	56.53	4.82	5.65	4.26	5.63	81.52
	2.50	28.94	5.36	12.71	4.42	10.85	69.73	5.40	6.69	4.54	6.33	104.60
	2.80	23.07	5.32	13.70	4.61	11.36	76.97	5.25	7.83	4.62	7.24	113.13
	3.00	20.10	5.20	14.42	4.75	11.65	80.33	4.89	12.79	4.52	11.77	124.51
	3.50	14.77	5.19	15.75	5.09	12.50	80.18	5.01	14.30	4.92	12.59	147.61
	4.00	11.31	5.51	16.22	5.36	13.18	90.45	5.37	9.31	5.24	8.01	157.09
	5.00	7.24	6.01	14.83	5.75	14.41	96.69	5.91	10.72	5.67	8.74	163.64
	6.00	5.02	6.27	16.15	5.95	15.50	117.82	6.22	14.44	5.93	13.11	192.79
	7.00	3.69	6.30	17.14	5.98	16.25	116.63	6.45	17.20	6.14	16.79	189.52
	8.00	2.83	6.25	17.77	5.92	16.71	114.25	6.67	18.31	6.35	17.71	228.50
	9.00	2.23	6.07	18.00	5.79	16.93	96.40	6.79	19.12	6.50	18.51	204.84
	10.00	1.81	5.72	18.09	5.37	16.93	89.26	6.89	20.18	6.51	19.20	238.02
	11.00	1.50	5.07	17.98	4.67	16.88	90.00	6.88	20.79	6.37	19.80	216.00
	12.00	1.26	4.07	17.68	3.78	16.65	42.84	6.71	21.81	6.27	20.60	257.06
	13.00	1.07	2.41	17.21	2.35	16.09	0.00	6.43	22.25	6.28	21.02	201.12
OVA48520	2.00	75.18	4.89	11.49	4.89	11.46	80.93	5.27	6.25	5.27	7.11	107.70
	2.50	48.11	5.68	13.41	5.42	12.78	100.88	6.15	7.06	5.89	7.83	138.07
	2.80	38.36	6.14	14.54	5.74	13.53	110.80	6.61	7.69	6.21	8.27	159.20
	3.00	33.41	6.43	15.18	5.89	13.97	119.16	6.84	8.02	6.30	8.49	169.36
	4.00	18.79	7.68	18.55	6.66	15.88	147.57	6.56	16.58	5.75	16.48	224.93
	5.00	12.03	6.76	21.37	7.21	17.59	154.34	6.67	11.36	7.08	10.75	273.35
	6.00	8.35	7.34	20.61	7.61	18.94	174.05	7.30	12.87	7.55	11.68	302.58
	7.00	6.14	7.84	19.64	7.91	20.00	189.52	7.74	14.19	7.80	12.53	302.50
	8.00	4.70	8.07	20.87	8.14	20.86	209.45	8.04	16.18	8.11	13.91	337.98
	9.00	3.71	8.10	21.95	8.25	21.55	192.79	8.22	17.93	8.36	15.19	355.46
	10.00	3.01	8.10	22.71	8.10	22.12	223.14	8.49	16.05	8.49	17.01	386.78
	11.00	2.49	7.99	23.09	7.92	22.59	207.00	8.66	17.77	8.59	18.67	414.00
	12.00	2.09	7.64	23.18	7.72	22.78	171.37	8.65	20.09	8.73	20.72	364.17
	13.00	1.78	7.21	23.41	7.28	22.80	150.84	8.66	22.49	8.75	22.79	402.25
	14.00	1.53	6.75	23.29	6.60	22.78	174.94	8.75	25.50	8.57	25.62	437.36
	15.00	1.34	5.83	23.23	5.68	22.51	66.94	8.74	27.15	8.53	27.29	401.65
	16.00	1.17	4.51	22.83	4.51	21.99	76.17	8.50	28.14	8.50	28.28	342.74
	17.00	1.04	2.46	22.19	2.31	21.35	0.00	8.55	28.61	8.06	29.02	343.93

E

Spacing tables
Emergency light fittings spacing tables

Exiway Smartled

Escape routes

Open (Anti-Panic) areas

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

Catalogue number	Installation height for ceiling mounting (m)	Lux level directly under luminaires (lux)	Escape routes 1 Lux min. Along centreline				Area covered to obtain more than 1 Lux on the ground (m²)	Open (Anti-Panic) areas 0.5 Lux min. Luminaires arranged in a regular array				Area covered to obtain 0.5 Lux on the ground (m²)
			A (m)	B	C	D		E (m)	F	G	H	
OVA48521	2.00	93.97	5.08	11.90	5.21	12.24	87.47	5.37	6.54	5.50	7.50	117.52
	2.50	60.14	5.89	13.86	5.75	13.56	111.11	6.26	7.36	6.12	8.34	152.94
	2.80	47.94	6.36	15.02	6.07	14.31	126.54	6.83	7.91	6.54	8.78	173.19
	3.00	41.77	6.66	15.67	6.29	14.76	130.54	7.11	8.36	6.75	9.00	190.12
	4.00	23.49	8.02	19.25	7.14	16.97	168.99	7.89	10.15	7.08	10.32	254.68
	5.00	15.04	9.11	22.26	7.77	18.81	184.09	7.65	19.77	6.60	19.20	312.40
	6.00	10.44	7.75	21.86	8.26	20.28	203.50	7.61	13.32	8.08	12.48	356.13
	7.00	7.67	8.34	23.47	8.57	21.46	215.03	8.24	14.84	8.45	13.35	368.11
	8.00	5.87	8.81	22.14	8.88	22.44	247.54	8.62	16.05	8.69	14.19	390.35
	9.00	4.64	9.00	23.48	9.08	23.36	259.07	8.91	18.90	8.98	16.28	427.76
	10.00	3.76	9.08	24.60	9.16	24.16	238.02	9.19	19.28	9.27	16.35	438.84
	11.00	3.11	9.07	25.32	9.15	24.76	270.00	9.41	16.92	9.49	17.96	468.00
	12.00	2.61	8.96	25.74	8.96	25.07	257.06	9.60	18.31	9.60	19.42	524.83
	13.00	2.22	8.69	26.00	8.69	25.33	201.12	9.61	22.13	9.61	23.04	502.81
	14.00	1.92	8.33	26.11	8.41	25.44	218.68	9.61	24.38	9.70	24.94	466.51
	15.00	1.67	7.89	26.08	7.89	25.51	200.83	9.64	26.98	9.64	27.36	535.54
	16.00	1.47	7.29	26.03	7.12	25.34	209.45	9.69	30.20	9.47	30.37	495.07
	17.00	1.30	6.27	25.86	6.10	25.05	85.98	9.68	30.63	9.43	31.07	515.90
	18.00	1.16	4.91	25.45	4.91	24.51	96.40	9.41	31.48	9.41	31.66	409.69
	19.00	1.04	2.75	24.80	2.67	23.86	0.00	9.36	31.98	9.09	32.45	429.62

Exiway Smartbeam

Catalogue number	Installation height for ceiling mounting (m)	Lux level directly under luminaires (lux)	Escape routes 1 Lux min. Along centreline				Area covered to obtain more than 1 Lux on the ground (m²)	Open (Anti-Panic) areas 0.5 Lux min. Luminaires arranged in a regular array				Area covered to obtain 0.5 Lux on the ground (m²)
			A (m)	B	C	D		E (m)	F	G	H	
OVA48940 OVA48944	2.50	7.28	7.69	19.88	2.63	7.24	48.35	5.57	12.97	2.24	5.25	83.21
	3.00	5.06	7.62	21.10	2.56	7.41	48.87	6.08	14.50	2.38	5.69	90.37
	3.50	3.72	6.80	21.71	2.50	7.41	49.20	6.13	16.14	2.57	6.09	96.58
	4.00	2.84	6.28	21.83	2.40	7.27	46.41	6.25	17.71	2.70	6.36	94.02
	5.00	1.82	5.55	18.81	2.02	6.97	29.75	6.62	20.35	2.73	6.87	96.69
	6.00	1.26	4.52	17.22	1.39	6.45	26.78	7.04	22.07	2.50	7.32	91.04
OVA48941 OVA48945	2.50	8.11	3.78	9.97	3.78	9.87	40.91	4.01	11.19	4.01	10.95	76.24
	3.00	5.63	3.84	10.39	3.84	10.34	45.52	4.17	11.74	4.17	11.64	80.33
	3.50	4.14	3.82	10.68	3.82	10.63	47.38	4.27	12.32	4.27	12.22	87.47
	4.00	3.17	3.73	10.81	3.73	10.76	38.08	4.36	12.75	4.36	12.52	91.64
	5.00	2.03	3.28	10.82	3.31	10.77	29.75	4.31	13.65	4.34	13.55	96.69
	6.00	1.41	2.33	10.34	2.39	10.29	10.71	4.11	14.18	4.20	14.08	85.69
	7.00	1.03	0.67	9.44	0.80	9.35	0.00	3.55	14.44	4.11	14.34	58.31
OVA48942 OVA48946	2.50	7.74	7.26	18.18	2.78	7.48	43.70	5.08	10.62	2.25	4.46	81.35
	3.00	5.38	7.33	19.63	2.75	7.75	45.52	5.47	11.81	2.36	4.84	89.03
	3.50	3.95	6.58	20.48	2.64	7.91	44.65	5.55	12.84	2.52	5.14	89.29
	4.00	3.02	5.99	20.32	2.57	7.93	41.65	5.65	13.75	2.71	5.41	94.02
	5.00	1.94	5.22	17.69	2.23	7.64	37.19	5.89	18.44	2.80	6.95	89.26
	6.00	1.34	4.60	16.37	1.64	7.28	24.10	6.41	20.27	2.60	7.50	85.69
OVA48943 OVA48947	2.50	8.89	3.81	9.76	3.74	9.92	45.09	4.00	10.78	3.94	10.41	76.70
	3.00	6.17	3.91	10.29	3.87	10.45	48.87	4.15	11.51	4.12	11.41	83.01
	3.50	4.53	3.96	10.68	3.92	10.84	47.38	4.29	12.17	4.26	12.07	92.03
	4.00	3.47	3.86	10.96	3.86	11.01	49.98	4.36	12.64	4.36	12.54	97.59
	5.00	2.22	3.57	11.20	3.57	11.26	44.63	4.39	13.54	4.39	13.18	96.69
	6.00	1.54	2.80	10.85	2.83	11.00	32.13	4.30	14.18	4.34	13.95	85.69
	7.00	1.13	1.39	10.22	1.33	10.27	10.93	4.15	14.97	3.98	14.74	87.47

Technical guide
Spacing tables
Emergency light fittings spacing tables

Exiway Smartbeam HC

Escape routes

Open (Anti-Panic) areas

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

Catalogue number	Installation height for ceiling mounting	Lux level directly under luminaires	Escape routes 1 Lux min. Along centreline				Area covered to obtain more than 1 Lux on the ground	Open (Anti-Panic) areas 0.5 Lux min. Luminaires arranged in a regular array				Area covered to obtain 0.5 Lux on the ground
			A	B	C	D		E	F	G	H	
	(m)	(lux)	(m)				(m²)	(m)				(m²)
OVA48949	6.00	6.56	5.55	13.41	5.64	13.34	109.79	5.38	7.05	5.30	7.03	144.60
	7.00	4.82	5.98	14.77	6.14	14.77	120.27	5.93	7.88	5.78	7.84	178.59
	8.00	3.69	6.36	15.95	6.48	16.02	152.33	6.36	8.63	6.25	8.58	199.93
	9.00	2.92	6.60	17.03	6.72	17.09	162.67	6.81	9.30	6.70	9.32	228.94
	10.00	2.36	6.68	17.95	6.75	17.94	148.76	7.12	9.99	7.06	9.91	245.45
	11.00	1.95	6.54	18.73	6.68	18.63	144.00	7.45	10.62	7.31	10.53	288.00
	12.00	1.64	6.18	19.28	6.31	19.18	128.53	7.70	11.19	7.54	11.09	321.32
	13.00	1.40	5.59	19.61	5.65	19.42	150.84	7.79	11.71	7.70	11.50	326.83
	14.00	1.20	4.55	19.71	4.62	19.52	58.31	7.88	12.18	7.77	11.96	291.57
	15.00	1.05	2.51	19.49	2.44	19.39	0.00	7.62	12.59	7.82	12.46	267.77
OVA48950	6.00	8.47	7.41	18.48	2.67	8.21	83.01	7.60	16.05	3.06	8.66	133.88
	7.00	6.22	7.71	19.54	2.79	7.97	91.12	8.07	19.03	3.24	9.38	138.50
	8.00	4.76	8.00	20.48	2.87	8.21	104.73	8.57	22.23	3.40	9.91	166.61
	9.00	3.76	8.32	21.26	2.97	8.56	90.37	8.98	25.19	3.52	10.11	168.69
	10.00	3.05	8.54	22.02	3.01	8.87	89.26	9.45	26.17	3.65	9.71	185.95
	11.00	2.52	8.67	22.58	3.00	9.19	108.00	9.78	27.45	3.71	9.95	198.00
	12.00	2.12	8.72	23.18	2.94	9.41	117.82	10.13	28.41	3.74	10.14	192.79
	13.00	1.80	8.60	23.72	2.88	9.55	100.56	10.39	29.20	3.81	10.45	175.98
	14.00	1.56	8.33	24.23	2.72	9.66	116.63	10.53	30.04	3.78	10.79	174.94
	15.00	1.35	7.73	24.62	2.51	9.69	83.68	10.58	30.83	3.78	10.98	200.83
	16.00	1.19	6.63	24.67	2.11	9.57	0.00	10.50	31.60	3.68	11.24	228.50
	17.00	1.05	4.71	24.59	1.34	9.36	0.00	10.72	32.68	3.40	11.55	236.45

Exiway Smartbeam 5 lux

Catalogue number	Installation height for ceiling mounting	Diameter covered to obtain 5 Lux on the ground
	(m)	(m)
OVA48948 OVA48951	2.00	dia 3.5
	2.50	dia 4
	3.00	dia 4
	3.50	dia 4.25
	4.00	dia 4
	4.50	dia 4
	5.00	dis 3.5
	5.50	dia 3
	6.00	dia 2

Exiway One -25°C

Catalogue number	Installation height for ceiling mounting	Lux level directly under luminaires	Escape routes 1 Lux min. Along centreline				Area covered to obtain more than 1 Lux on the ground	Open (Anti-Panic) areas 0.5 Lux min. Luminaires arranged in a regular array				Area covered to obtain 0.5 Lux on the ground
			A	B	C	D		E	F	G	H	
	(m)	(lux)	(m)				(m²)	(m)				(m²)
OVA48949	2.00	11.87	4.44	10.22	2.65	6.56	68.34	5.28	5.73	3.36	3.96	112.98
	2.50	7.60	5.07	11.57	2.83	7.11	73.04	5.97	6.60	3.55	4.36	125.66
	2.80	6.06	5.38	12.36	2.90	7.40	76.17	6.38	7.02	3.67	4.61	130.91
	3.00	5.28	5.64	12.94	2.92	7.54	48.79	6.63	7.33	3.67	4.70	68.13
	3.50	3.88	6.12	14.19	2.91	7.88	57.64	7.20	8.15	3.69	4.99	81.82
	3.80	3.29	6.32	14.92	2.92	8.01	64.15	7.50	8.53	3.73	5.13	96.80
	4.00	2.97	6.46	15.37	2.88	8.07	68.28	7.67	8.88	3.69	5.21	104.43
	4.20	2.69	6.59	15.80	2.86	8.11	77.41	7.82	9.11	3.68	5.28	135.14
	4.50	2.34	6.73	16.40	2.78	8.18	69.29	8.08	9.54	3.63	5.41	138.57
	5.00	1.90	6.40	17.32	2.60	8.17	61.36	8.36	10.14	3.70	5.55	139.46

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