



Naveo® Pro

Smart monitoring system to manage
emergency lighting with mobile app

—

In the age of IoT, digital connectivity is driving change and innovation. The push towards smarter, efficient and more secure buildings is opening the door to endless possibilities.

Discover ABB's smart emergency lighting solutions controlled completely from your smart device. Naveo®Pro gives you an IoT solution with a high level of cybersecurity for safety and reliability, enables better maintenance planning, and reduces operating costs.

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ABB connects you to the power of the Internet of Things. From property safety and energy management to automation and design, ABB is working to create smarter building solutions available right at your fingertips.

Introduction

A new age of intelligent solutions

Our lives are touched daily by the Internet. It widens our horizons and improves our capabilities by connecting us to a wider community and their collective knowledge.

For over a decade, ABB has been working to develop and enhance process control systems, communications solutions, sensors and software for the Internet of Things (IoT). These technologies enable all building owners in industries, utilities and infrastructure to analyse their data more intelligently, optimise their operations, boost their productivity, and their flexibility. ABB is advancing the IoT by helping customers enhance their existing technologies, while keeping sight of our enduring commitment to safety, reliability, cybersecurity and data privacy.

High level of cybersecurity

Cybersecurity can be a big concern in the world of IoT. Over the year, cybersecurity for automation and control systems has gained a lot of attention and is becoming increasingly important for all building managers or owners.

In the age of IoT, it's clear that "security" means much more than protection against cybercrime: certainly, connections need to be safe, but the value of that data should also be protected. Customers should not be required to forfeit safety, value, or control in order to realise the benefits of digitisation.

As a result, ABB has established its own team to test and develop the security of its products in order to ensure the best security against all types of cyber attacks.

Digital connectivity

Driving change and innovation



Smarter

Highly efficient

Secure



Monitoring and testing

Are you prepared for an emergency?

Emergency lighting installations must be monitored and tested regularly to ensure they can save lives of building occupants in the event an emergency occurs.

To optimise the safety of visitors or users in the event of a disaster, you're obliged to ensure you maintain and record the health of your emergency lighting.

Moreover, as the owner or building manager you are legally responsible and accountable for your emergency lighting installation.

The **emergency lighting** inspection and maintenance solution

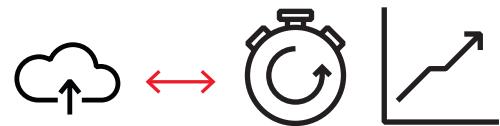
Naveo®Pro is a system from ABB that utilises a gateway to inspect, monitor and manage all types of emergency lighting installations.

The Naveo®Pro inspection and maintenance system provides a digital overview via the cloud – providing ready information to assist resource planning and enhance building safety.

This information can be processed directly using a mobile device. In practice, this will save you time on collecting and entering information.

No unnecessary equipment handling, illegible paperwork and annotations, long hours of double data entry or unnecessarily travelling back and forth for replacement parts.

Just one easily accessible database accessed from multiple devices, with clear information, making the task of ongoing maintenance vastly simpler.



Data is stored in the cloud and accessed via a mobile device thus ensuring and safeguarding the reliability of your emergency lighting installation.



Naveo®Pro

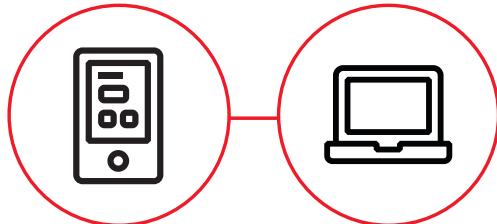
App and web browser interface

The Naveo®Pro software and gateway works seamlessly with ABB emergency lighting to create a connected lighting infrastructure that makes buildings safer than ever.

With digital solutions, building owners now can have peace of mind knowing their buildings are safer than ever. All operations can be managed remotely, giving building owners and managers complete control wherever they are, whenever they need it most.

The web interface and mobile application allow you to:

- ✓ Monitor your building's installation at any time, independent of your location
- ✓ Plan your inspection, installation and maintenance ahead based on the data you obtain from the system
- ✓ Simple and fast installation and programming of luminaires installed using a QR code or Bluetooth® - for mobile app only*
- ✓ Schedule function and duration test schedules and collect reports
- ✓ Upload your building maps and have status and precise location of each emergency lighting luminaire in your building
- ✓ Order via automatic material list
- ✓ Share test results or status information with others



Web browser interface

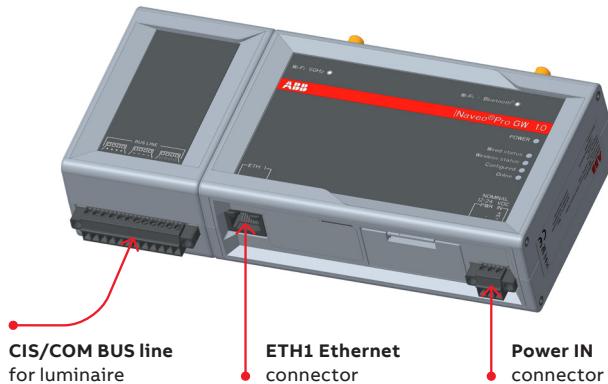
<https://naveopro.emergencylighting.abb.com>

* QR code available on wired only
Bluetooth available on wireless only



Naveo® Pro

A Gateway for each technology



Products

Description	Order code	Type code
Gateway Naveo® Pro	7TCA305060R0000	51000040
Gateway Naveo® Pro + iPad Wi-Fi	7TCA305060R0004	51000041
Gateway Naveo® Pro + iPad 4G	7TCA305060R0003	51000042
Gateway Naveo® Pro Wireless BT	7TCA305060R0006	51000045
GateWay Naveo® Pro Wireless BT + Ipad Wi-Fi	7TCA305060R0007	51000046
GateWay Naveo® Pro Wireless BT + Ipad 4G	7TCA305060R0008	51000047

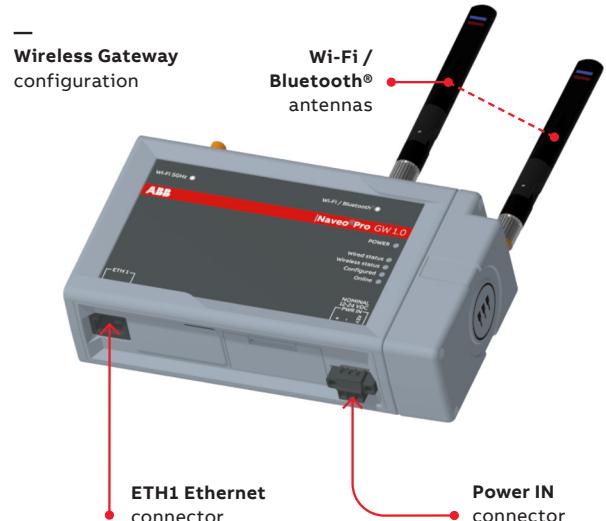
Technical specifications

Description	Technical specification
Connection voltage (input)	Nominal: 12 or 24 VDC; Range: 9 to 30 VDC with transient protection
Power consumption	4 W (standard); 15 W (maximum)
Degree of protection	IP30
Operating temperature	-40°C to +70°C
Weight	210 g (without clip/DIN rail mounting bracket) 310 g (weight with SESAM box for wired applications)
Accessories included	Power supply, an antenna, and a raid-in mounting bracket

NOTE: You can connect max. 200 luminaires per gateway for the wireless version and max. 500 luminaires per gateway for the wired version.

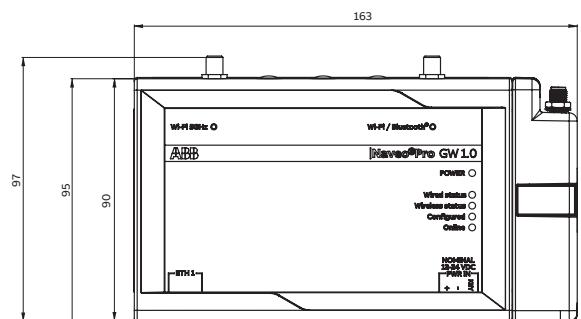
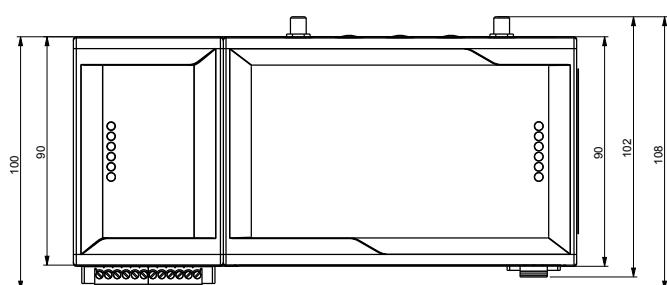
Accessories

Description	Order code	Type code
Naveo® Pro wall mounting bracket	7TCA307020R0013	758740
Wi-Fi 5 GHz antennas Naveo Pro	7TCA307020R0012	758730



Repeater

Type Code	Order code	Material code
ACC800S-M3/BT Repeater	7TCA305020R0235	ACC800RPT/50BT



Naveo®Pro

Solution and benefits

Naveo®Pro is designed to enable building owners and managers to easily maintain and test emergency lighting, without the need to visually verify performance or disrupt the power supply.

With digital solutions, building owners now can have peace of mind knowing their buildings are safer than ever. All operations can be managed remotely, giving building owners and managers complete control wherever they are, whenever they need it most while preventing any human error in the process.



Cost effective

- Reduce labour costs for maintaining emergency lighting
- Saving on cost and labour on manual collection and recording of emergency lighting data
- 200 emergency lighting units on one gateway
- Reduce Monitoring costs by simply receiving notification once there is defective device



User friendly

- Monitor remotely anywhere at anytime
- Fast and easy testing with a smart device
- Interactive 2D floor plan layout showcasing emergency lighting positioning
- Software updates automatically applied
- Easily go from one building to many with our scalable system



Enhanced Safety and Protection

- Comply with Building and Life Safety Codes and other North American regulations
- Real-time self-monitoring and maintenance alerts if units stop functioning
- Holds all emergency lighting testing and maintenance data in a secure ABB cloud
- Ownership of maintenance data input, quick testing and device monthly and annual scheduling



Improve installation efficiency

- Quick and flexible commissioning
- Ease of use due to app configuration
- Get diagnostics and part number recommendations during failures
- Reduce software and firmware upgrade time via remote Cloud operations



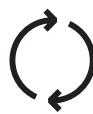
Set up

Easily install and add new devices through your smart device



Maintain

Defective devices are automatically detected and reported on your interface in addition to push notifications



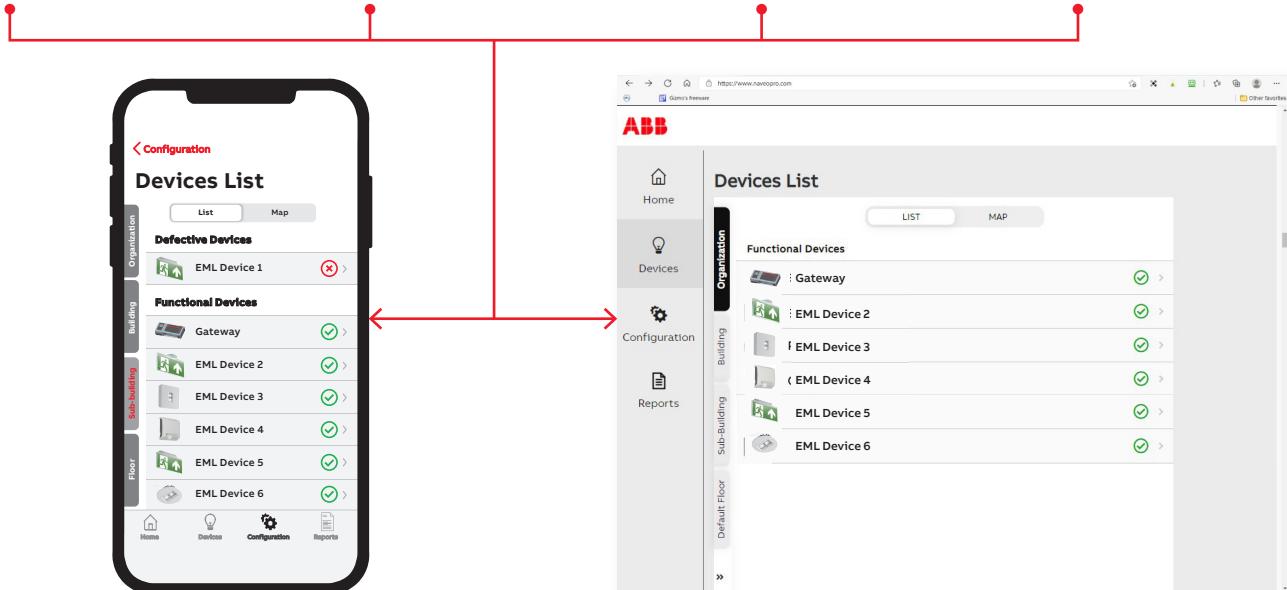
Test

Run test instantly or program them to ensure that all your devices are working properly



Share

Easily share the results of tests with team members, maintenance staff and technicians



Choose your technology

Wired or Wireless

Why choose Naveo®Pro Wired?



Reliable in critical conditions

The Naveo®Pro Wired solution allows up to 1000-meter distance between the gateway and the luminaires. This solution is highly recommended for large buildings with multiple levels or complex building structures because it allows the connection with the luminaires to be maintained and consistent.



Upgrade your current monitoring system

The Wired solution allows for the replacement of older systems with a modern mobile app compatible system that provide access to the building status 24/7. Benefit from the most up-to-date technological features, such as the highest level of cyber security, the ability to use floor plans, remote control via the app, and more.

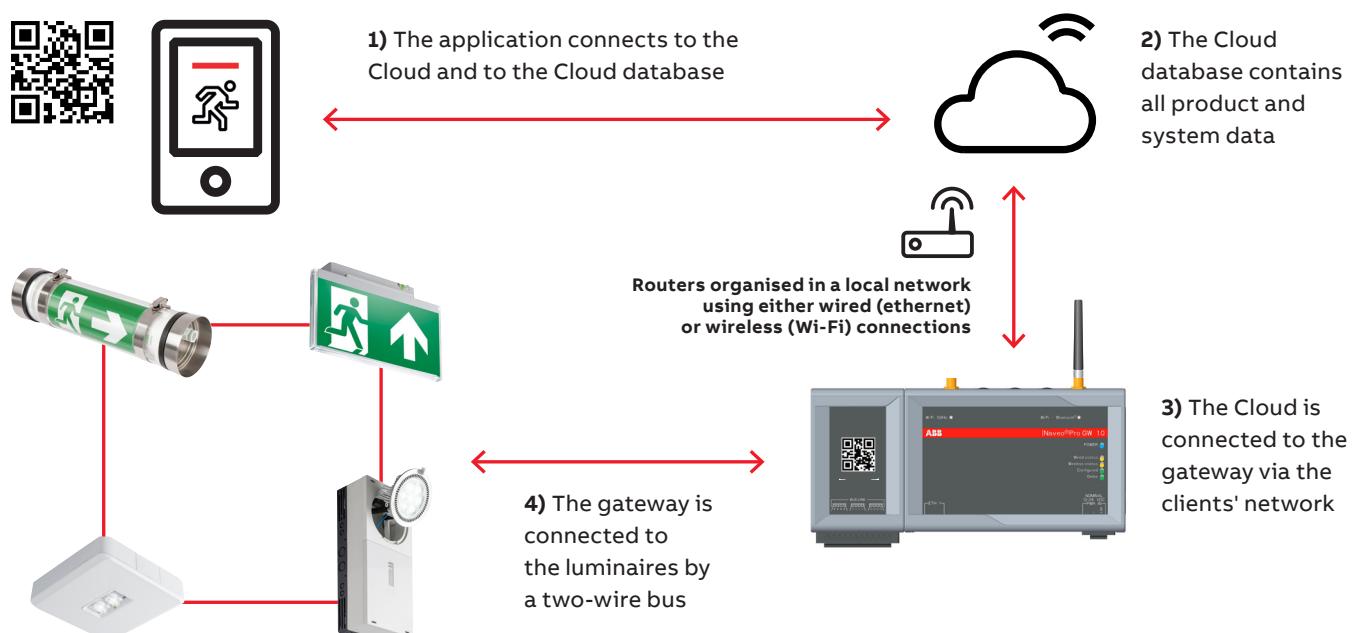


Maintain your building's luminaires installation

Building data from existing luminaires connected to the previous Naveo® system can be easily transferred by using the DCP tool in the Naveo®Pro Web Browser interface.

How does it work?

Luminaires are commissioned to the gateway via **QR code**.



Why choose Naveo®Pro Wireless?



Convert existing installation to innovative technology

The wireless solution allows for the easy and secure modernisation of buildings. It is recommended that buildings with a self-test system replace their emergency lighting system with Naveo®Pro wireless. This is a straightforward task as no additional cabling is required.



More flexibility to upgrade

Buildings can be easily modified in the future with our Wireless solution in the event of renovations, functional modifications, or extensions without the need for new cabling or expenses. Naveo®Pro Wireless will make maintenance, monitoring, and compliance easier.

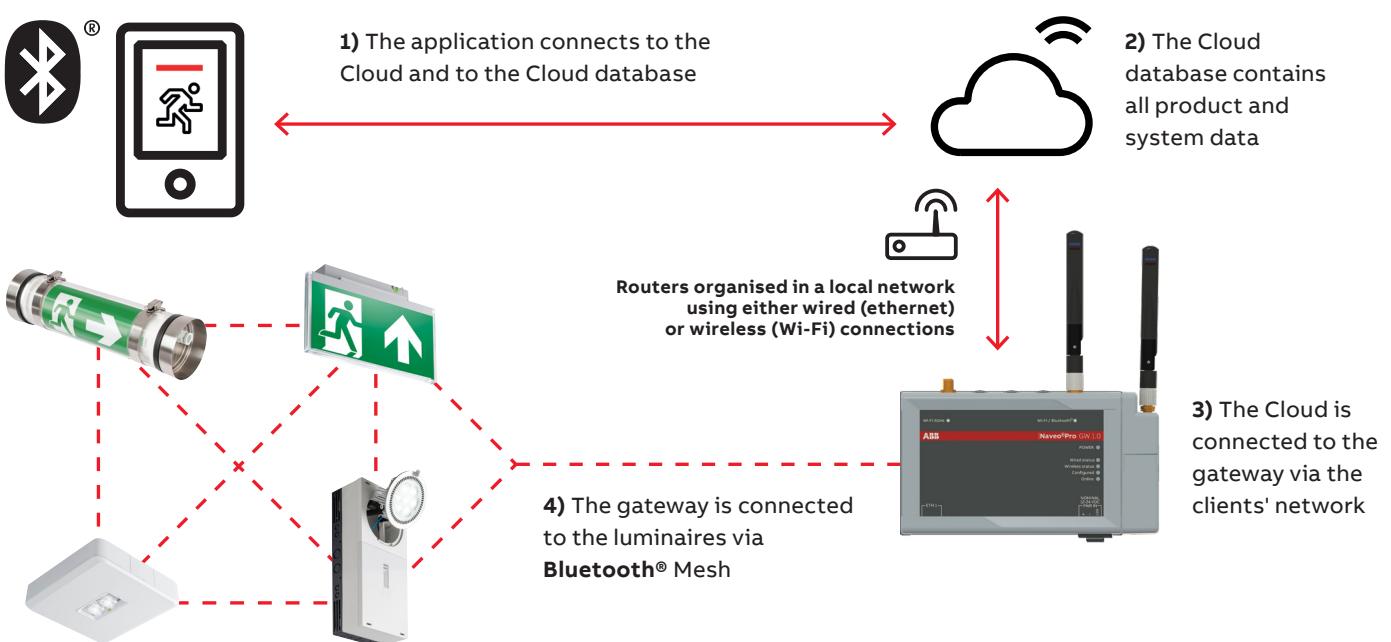


A straightforward commissioning process

In buildings, the wireless solution is simple to install. Multiple luminaires are automatically and securely commissioned via Bluetooth®. The repeater's ability to extend the distance and/or signal strength ensures the connection between the luminaires is always maintained.

How does it work?

Luminaires are commissioned to the gateway via **Bluetooth®**.





Naveo®Pro

App and web browser interface

The Naveo®Pro software and gateway works seamlessly with ABB emergency lighting to create a connected lighting infrastructure that makes buildings safer than ever.

With digital solutions, building owners now can have peace of mind knowing their buildings are safer than ever. All operations can be managed remotely, giving building owners and managers complete control wherever they are, whenever they need it most.

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- ✓ Share test results or status information with others



How to commission Naveo®Pro App in 6 steps

1. Download the Naveo®Pro app
2. Create an account user and owner
3. Configuration of the organisation's buildings
4. Installation of the gateway and luminaires
5. Adding a gateway to the system
6. Adding a luminaire to the system via QR code or Bluetooth®



Web browser interface

<https://naveopro.emergencylighting.abb.com>

Follow the **step by step** approach to commission and monitor your building.



The **Naveo®Pro** App and web interface provide a real time overview of all systems, saving time, enabling better maintenance planning and enhancing building safety.

With the Naveo®Pro app, all types of emergency luminaires can be easily installed and programmed into a building in a fast and intuitive way using a QR code or Bluetooth®.



Wired technology

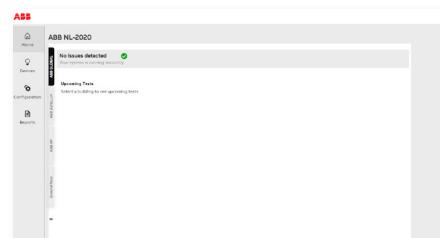


Wireless technology

The system provides a digital overview via the cloud, giving instant information to assist resource planning and enhance building safety, which can be processed directly from a mobile device or web interface.



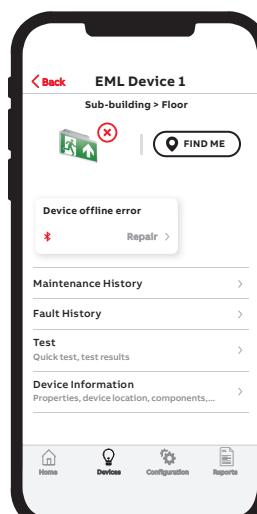
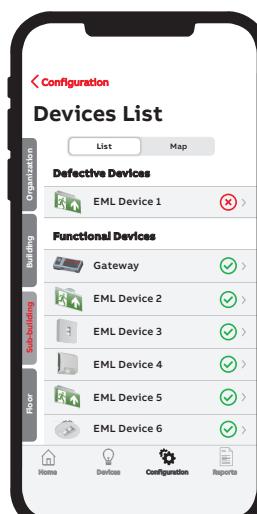
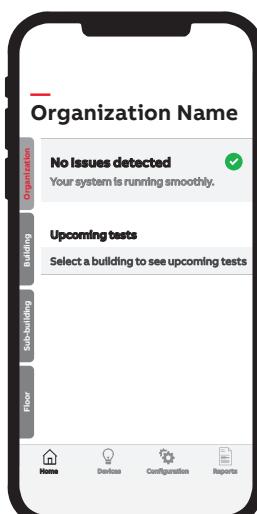
View all devices with detected issues and any upcoming tests. The main menu is located at the bottom of the screen.



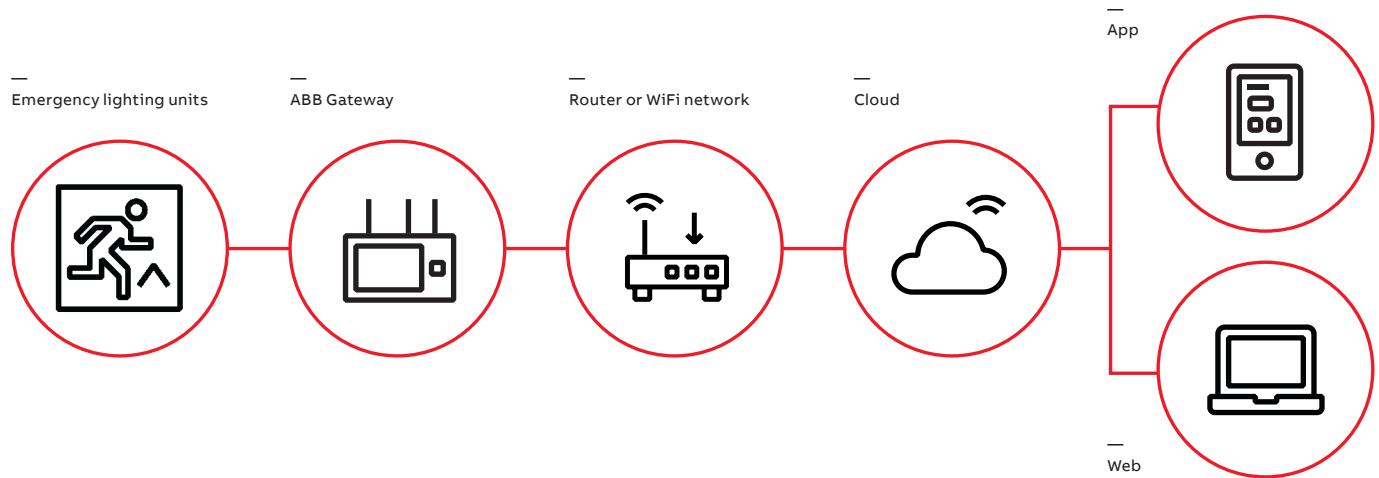
View defective and functional devices in a list format or on a map.



If you have a defective unit, simply click the unit to find the exact issue and part number you need to fix.



How does it work?



The map format provides a more visual view of your devices so, you know exactly where the devices are located on your floorplan.

Commission a Gateway and devices (mobile app only), schedule monthly tests, manage your properties, invite users, upload floorplans and more.

All the detailed information regarding test results, maintenance history, offline devices and device locations.

Three screenshots of the ABB web browser interface:

- Devices List:** Shows a map of a building with device locations marked. Navigation tabs include List and Map.
- Configuration:** Shows a list of configuration options: Tests, Groups, Devices, Gateways, Properties Management, Organization Management, User Management, Settings, and Log Out.
- Reports:** Shows a list of report types: Test Results, Shopping List, Work Instructions, Maintenance History, Office Devices, Devices Location, and Certificate.

Screenshot of the ABB mobile app interface:

- Devices List:** Shows a map of a building with device locations marked. Navigation tabs include List and Map.
- Bottom navigation bar: Home, Devices, Configuration, Reports.

Screenshot of the ABB mobile app interface:

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Screenshot of the ABB mobile app interface:

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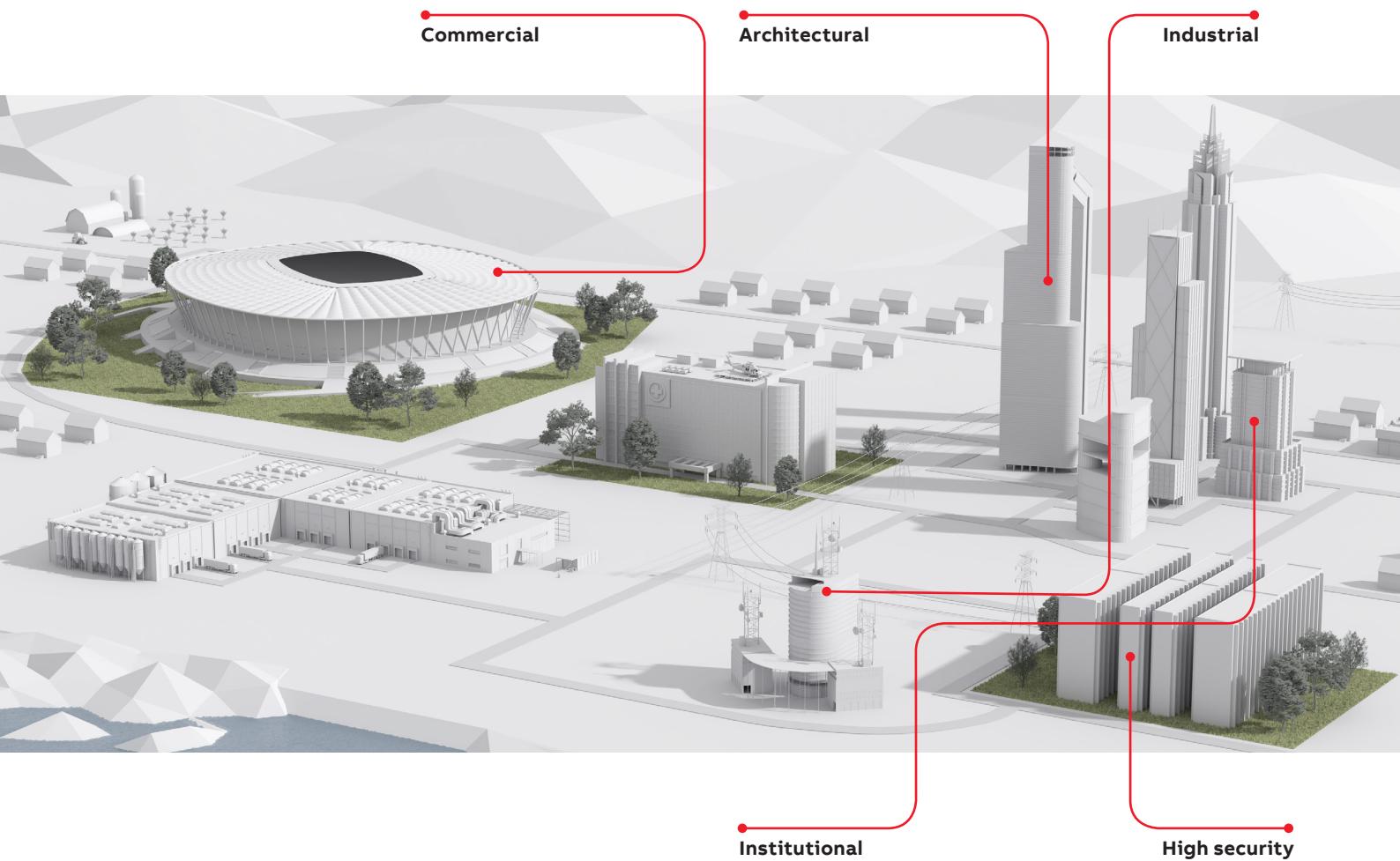
Naveo®Pro

Applications

Whether your business occupies an office building, an industrial space, high-security locations, architectural spaces, or multiple educational facilities, Naveo®Pro brings the power of connected IoT emergency lighting to any infrastructure.

Whatever size and geographical spread that your buildings cover, Naveo®Pro offers you a scalable and customised solution. This means, for example, that you can have Naveo®Pro for use in a hospital complex in one area, but also for multiple locations spread over a city.

Alternatively, you may have buildings spread across locations over a large region or country. You can simply monitor any of your building installations from anywhere at any time to suit you and concentrate your resources where they are most needed. Naveo®Pro is growing with you and putting you in total control.



Naveo®Pro

Optimise building safety

Emergency lighting installations must be monitored and tested regularly to ensure they can save the lives of building occupants in the event an emergency occurs.

To optimise the safety of visitors or users in the event of a disaster, emergency lighting needs to be maintained and tested. Moreover, building owners or managers are legally responsible and accountable for emergency lighting installations.

Overview in management and maintenance

Ongoing maintenance and testing of emergency lighting is a time-consuming process that must be carried out regularly every month and year. Building owners or managers cannot afford uncertainty when it comes to an emergency. All luminaires need to be working properly so that people can easily be guided out to safety.

Your benefits



Specifier

Use Naveo®Pro to speed up with smart building development and improve buildings safety

- Compliant with legislation and standardisation
- Optimal safety for building users
- Up to 15% more value to your project
- A clear and innovative starting point for your customer



Installer

Use Naveo®Pro to connect emergency lighting systems and devices, and secure data flow between devices and the cloud

- Connect up the system to the cloud in just 15 minutes
- Saving time with on-site administration and therefore cost reduction
- 24/7 insight into your activities
- Easy to expand



Building & facility manager

Use Naveo®Pro to monitor the building safety systems and improve the ability of occupants to respond to emergencies and maintain health and safety

- Take action in just 1 minute
- Fewer interruptions for work activities in your area
- 24/7 control of the safety level in your building
- Total cost of ownership reduced
- Time saving thanks to automatic software upgrades and remote control



End user

Peace of mind monitoring and reduced ongoing operational costs

- Potential savings of up to 30% in operational costs
- Optimised safety for your employees
- Expandable to meet your changing needs

Serenga 2

Project covering & stylish



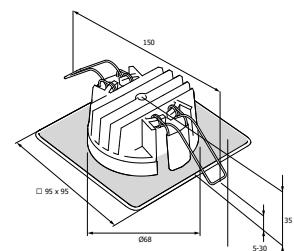
Luminaire

Type Code	Order code	Material code	Version	Input voltage	Lamp type	Lumen output (lm)	Power cons. (VA/W)	Duration (hrs)	Test system	Env. temp. (°C)	Weight (kg)	Lens
EL2200R-M3/COM OA	7TCA305020R0165	5520237164/50	<input checked="" type="radio"/>	230-240 Vac, 50Hz	1 x LED 2W	213	3.5 / 3	3	NaveoPro	5-35	0.5	D
EL2200RQ-M3/COM OA	7TCA305020R0166	5520237174/50	<input type="checkbox"/>			213	3.5 / 3	3	NaveoPro	5-35	0.5	D
EL2200R-M3/COM ER	7TCA305020R0169	5520237161/50	<input checked="" type="radio"/>			177	3.5 / 3	3	NaveoPro	5-35	0.5	A
EL2200RQ-M3/COM ER	7TCA305020R0170	5520237171/50	<input type="checkbox"/>			177	3.5 / 3	3	NaveoPro	5-35	0.5	A
EL2200R-M3/BT ER	7TCA305020R0213	5520237161/50BT	<input checked="" type="radio"/>			177	3.5 / 3	3	NaveoPro wireless	5-35	0.5	A
EL2200R-M3/BT OA	7TCA305020R0214	5520237164/50BT	<input checked="" type="radio"/>			213	3.5 / 3	3	NaveoPro wireless	5-35	0.5	D
EL2200RQ-M3/BT ER	7TCA305020R0215	5520237171/50BT	<input type="checkbox"/>			177	3.5 / 3	3	NaveoPro wireless	5-35	0.5	A
EL2200RQ-M3/BT OA	7TCA305020R0216	5520237174/50BT	<input type="checkbox"/>			213	3.5 / 3	3	NaveoPro wireless	5-35	0.5	D

Accessories

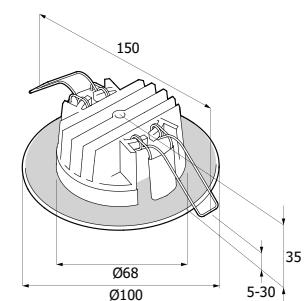
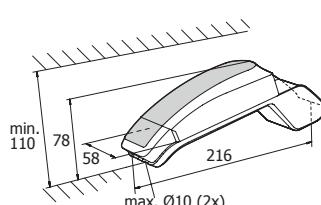
Type Code	Order code	Material code	Description
LENS 2200 A	7TCA307020R0031	5520990051/50	Lens optic A
LENS 2200 B	7TCA307020R0032	5520990052/50	Lens optic B
LENS 2200 C	7TCA307020R0024	5520990053/50	Lens optic C
LENS 2200 D	7TCA307020R0025	5520990054/50	Lens optic D
LENS 2200 E	7TCA307020R0026	5520990055/50	Lens optic E
LENS 2200 F	7TCA307020R0027	5520990056/50	Lens optic F
LENS 2200 G	7TCA307020R0028	5520990057/50	Lens optic G

Available on next pages



Square cover

Type Code	Order code	Material code	Description
RENO 2200-3300 ALU	7TCA307020R0021	11160110/50	Serenga2 / Guideway renovation kit aluminum
RENO 2200-3300	7TCA307020R0022	11160111/50	Serenga2 / Guideway renovation kit white



Round cover

Serenga 2

Project covering & stylish



Escape route - Surface mount

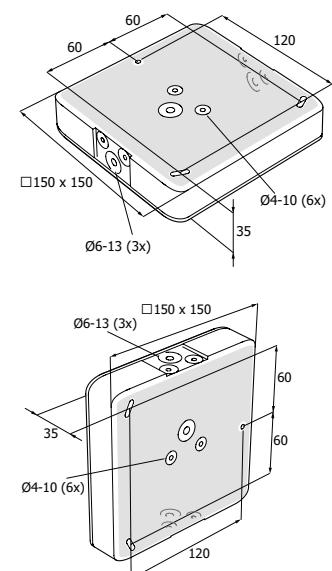
- Injection moulded - high grade polycarbonate body
- Specially designed lens for optimised light distribution
- Modular, First-Fix installation
- Ease of installation - unique moulded construction to retain IP rating without additional protection

Luminaire

Type Code	Order code	Material code	Version	Input voltage	Lamp type	Lumen output (lm)	Power cons. (VA/W)	Duration (hrs)	Test system	Env. temp. (°C)	Weig. (kg)	Lens
EL2200W-M3/COM S	7TCA305020R0162	5523237157/50	Wall	230-240 Vac, 50Hz	1 x LED 2W	153 201 207	3.5VA / 3W 3.5VA / 3W 3.5VA / 3W	3	NaveoPro	5-35	0.8	G
EL2200S-M3/COM HE	7TCA305020R0163	5520237158/50	Surface			213	3.5VA / 3W	3	NaveoPro	5-35	0.8	B/C
EL2200S-M3/COM HO	7TCA305020R0164	5520237159/50	Surface			177	3.5VA / 3W	3	NaveoPro	5-35	0.8	E/F
EL2200S-M3/COM OA	7TCA305020R0167	5520237154/50	Surface			213	3.5VA / 3W	3	NaveoPro	5-35	0.8	D
EL2200S-M3/COM ER	7TCA305020R0168	5520237151/50	Surface			177	3.5VA / 3W	3	NaveoPro	5-35	0.8	A
EL2200S-M3/BT ER	7TCA305020R0242	5520237151/50BT	Surface			177	3.5VA / 3W	3	NaveoPro wireless	5-35	0.8	A
EL2200S-M3/BT OA	7TCA305020R0245	5520237154/50BT	Surface			213	3.5VA / 3W	3	NaveoPro wireless	5-35	0.8	D
EL2200S-M3/BT HE	7TCA305020R0243	5520237158/50BT	Surface			201	3.5VA / 3W	3	NaveoPro wireless	5-35	0.8	B+C
EL2200S-M3/BT HO	7TCA305020R0244	5520237159/50BT	Surface			207	3.5VA / 3W	3	NaveoPro wireless	5-35	0.8	E+F
EL2200W-M3/BT S	7TCA305020R0246	5523237157/50BT	Wall			153	3.5VA / 3W	3	NaveoPro wireless	5-35	0.8	G

Accessories

Type Code	Order code	Material code	Description
LENS 2200 A	7TCA307020R0031	5520990051/50	Lens optic A
LENS 2200 B	7TCA307020R0032	5520990052/50	Lens optic B
LENS 2200 C	7TCA307020R0024	5520990053/50	Lens optic C
LENS 2200 D	7TCA307020R0025	5520990054/50	Lens optic D
LENS 2200 E	7TCA307020R0026	5520990055/50	Lens optic E
LENS 2200 F	7TCA307020R0027	5520990056/50	Lens optic F
LENS 2200 G	7TCA307020R0028	5520990057/50	Lens optic G



Type Code	Order code	Material code	Description
RENO 2200-3300 ALU	7TCA307020R0021	11160110/50	Serenga2 / Guideway renovation kit aluminum
RENO 2200-3300	7TCA307020R0022	11160111/50	Serenga2 / Guideway renovation kit white

Guideway

Innovative & stylish



Guideway Recessed - 22m & 32m

- Bright and uniformed light distribution with 500 cd/sq.m
- Versatile mounting options with First-Fix control gear
- Unique frameless legend design with click-lock assembly
- Quick release legend panels

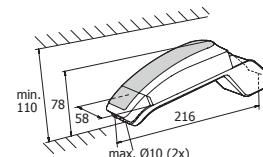
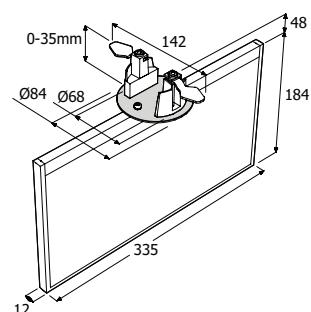
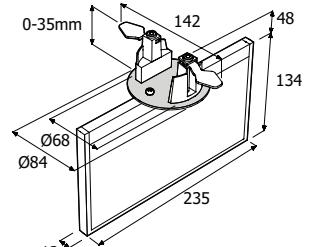
Luminaire

Type Code	Order code	Material code	Input voltage	Lamp type	Viewing distance	Power cons. (VA/W)	Duration (hrs)	Test system	Env. temp. (°C)	Weight (kg)
XT3300R-M3/COM 22M ALU	7TCA305020R0157	4510236162/50	230-240 Vac, 50Hz	1 x LED 2W	22 m	4.4 VA / 4 W	3	NaveoPro	5-35	1.2
XT3300R-M3/COM 32M ALU	7TCA305020R0159	4510236163/50		1 x LED 4W	32 m	7.1 VA / 6 W	3	NaveoPro	5-35	1.5
XT3300R-M3/BT 22M ALU	7TCA305020R0210	4510236162/50BT		1 x LED 2W	22 m	4.4 VA / 4 W	3	NaveoPro wireless	5-35	1.2
XT3300R-M3/BT 32M ALU	7TCA305020R0211	4510236163/50BT		1 x LED 4W	32 m	7.1 VA / 6 W	3	NaveoPro wireless	5-35	1.5

*Products delivered including pictograms

Pictograms

Type Code	Order code	Material code	Viewing distance	Legend
PP 3300 22M/G	7TCA307030R0083	15122250/50	22m	
PP 3300 22M/U	7TCA307030R0084	15122251/50	22m	
PP 3300 22M/R	7TCA307030R0085	15122252/50	22m	
PP 3300 22M/L	7TCA307030R0086	15122253/50	22m	
PP 3300 22M/DL	7TCA307030R0087	15122254/50	22m	
PP 3300 22M/DR	7TCA307030R0088	15122255/50	22m	
PP 3300 22M/UL	7TCA307030R0089	15122256/50	22m	
PP 3300 22M/UR	7TCA307030R0090	15122257/50	22m	
PP 3300 22M/D	7TCA307030R0069	15122258/50	22m	
PP 3300 32M/G	7TCA307030R0091	15132250/50	32m	
PP 3300 32M/U	7TCA307030R0092	15132251/50	32m	
PP 3300 32M/R	7TCA307030R0093	15132252/50	32m	
PP 3300 32M/L	7TCA307030R0094	15132253/50	32m	
PP 3300 32M/DL	7TCA307030R0095	15132254/50	32m	
PP 3300 32M/DR	7TCA307030R0096	15132255/50	32m	
PP 3300 32M/UL	7TCA307030R0097	15132256/50	32m	
PP 3300 32M/UR	7TCA307030R0098	15132257/50	32m	
PP 3300 32M/D	7TCA307030R0099	15132258/50	32m	



Accessories

Type Code	Order code	Material code	Description
WB 3300	7TCA307020R0019	4510990010/50	Wall bracket
RENO 2200-3300 ALU	7TCA307020R0021	11160110/50	Serenga2 / Guideway renovation kit aluminum
RENO 2200-3300	7TCA307020R0022	11160111/50	Serenga2 / Guideway renovation kit white

Guideway

Innovative & stylish



Guideway surface - 22m & 32m

- Bright and uniformed light distribution with 500 cd/sq.m
- Versatile mounting options with First-Fix control gear
- Unique frameless legend design with click-lock assembly
- Quick release legend panels

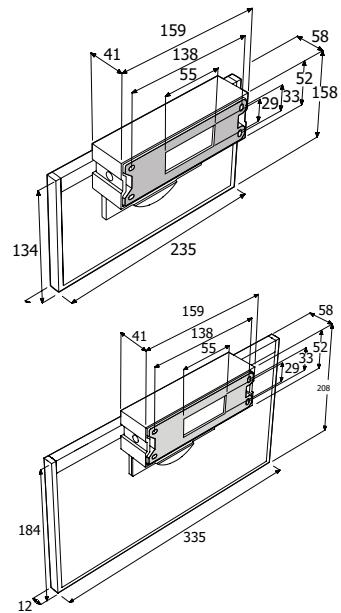
Luminaire

Type Code	Order code	Material code	Input voltage	Lamp type	Viewing distance	Power cons. (VA/W)	Duration (hrs)	Test system	Env. temp. (°C)	Weight (kg)
XT3300S-M3/COM 22M ALU	7TCA305020R0156	4510236152/50	230-240 Vac, 50Hz	1 x LED 2W	22 m	4.4 VA / 4 W	3	NaveoPro	5-35	1.5
XT3300S-M3/COM 32M ALU	7TCA305020R0158	4510236153/50		1 x LED 4W	32 m	7.1 VA / 6 W	3	NaveoPro	5-35	1.6
XT3300S-M3/BT 22M ALU	7TCA305020R0293	4510236152/50BT		1 x LED 2W	22 m	4.4 VA / 4 W	3	NaveoPro wireless	5-35	1.5
XT3300S-M3/BT 32M ALU	7TCA305020R0307	4513216153/50BT		1 x LED 4W	32 m	7.1 VA / 6 W	3	NaveoPro wireless	5-35	1.6

*Products delivered including pictograms

Pictograms

Type Code	Order code	Material code	Viewing distance	Legend
PP 3300 22M/G	7TCA307030R0083	15122250/50	22m	
PP 3300 22M/U	7TCA307030R0084	15122251/50	22m	
PP 3300 22M/R	7TCA307030R0085	15122252/50	22m	
PP 3300 22M/L	7TCA307030R0086	15122253/50	22m	
PP 3300 22M/DL	7TCA307030R0087	15122254/50	22m	
PP 3300 22M/DR	7TCA307030R0088	15122255/50	22m	
PP 3300 22M/UL	7TCA307030R0089	15122256/50	22m	
PP 3300 22M/UR	7TCA307030R0090	15122257/50	22m	
PP 3300 22M/D	7TCA307030R0069	15122258/50	22m	
PP 3300 32M/G	7TCA307030R0091	15132250/50	32m	
PP 3300 32M/U	7TCA307030R0092	15132251/50	32m	
PP 3300 32M/R	7TCA307030R0093	15132252/50	32m	
PP 3300 32M/L	7TCA307030R0094	15132253/50	32m	
PP 3300 32M/DL	7TCA307030R0095	15132254/50	32m	
PP 3300 32M/DR	7TCA307030R0096	15132255/50	32m	
PP 3300 32M/UL	7TCA307030R0097	15132256/50	32m	
PP 3300 32M/UR	7TCA307030R0098	15132257/50	32m	
PP 3300 32M/D	7TCA307030R0099	15132258/50	32m	



Accessories

Type Code	Order code	Material code	Description
PK 3300 500	7TCA307020R0017	4510990034/50	Pendant kit - 500 mm
PK 3300 1000	7TCA307020R0018	4510990035/50	Pendant kit - 1000 mm
WKIT 3300	7TCA307020R0020	4510990046/50	Wire suspension kit - 1500 mm
WB 3300	7TCA307020R0019	4510990010/50	Wall bracket

Movion®

Modular & versatile



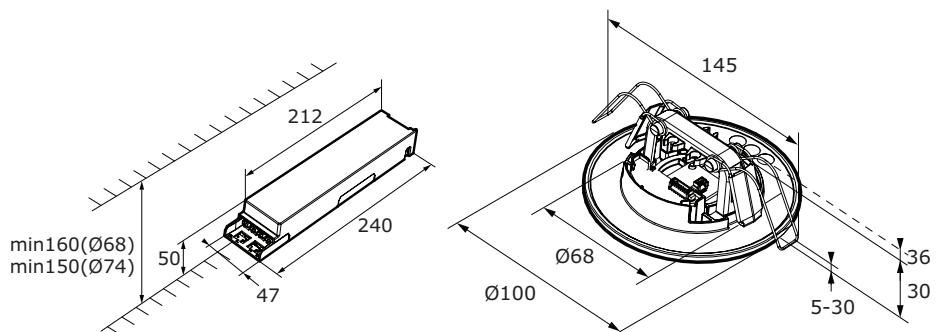
Luminaire

Type code	Order code	Material code	Input voltage	Lamp type	Lamp output (lm)	Light optics	Power consumpt. (VA/W)	Operation / duration (hrs)	Test system	Env. temp. (°C)	Weight (kg)
EL800R-M3/COM ER	7TCA305020R0106	511013321/50	230-240 Vac, 50/60Hz	1 x LED 1W	101		3.33 / 3.19	3	NaveoPro wired	5-35	0.31
EL800R-M3/BT ER	7TCA305020R0149	511013421/50BT							NaveoPro wireless	5-35	0.31
EL800R-M3/COM OA	7TCA305020R0112	511013322/50			109		3.33 / 3.19	3	NaveoPro wired	5-35	0.31
EL800R-M3/BT OA	7TCA305020R0151	511013422/50BT							NaveoPro wireless	5-35	0.31

Accessories

Type code	Order code	Material code	Product type
RENO 2200-3300	7TCA307020R0022	11160111/50	Renovation kit recess mounted, white route lighting

IP Rating	Product type
IP20	flush mount from above
IP42	flush mount from below



Movion®

Modular & versatile



Escape route lighting - Surface mount

- Square shaped design fitting any ceiling
- Specially designed lens for optimal light distribution - long and wide beam
- Quick installation and parallel wiring option with the smart loop-in, loop-out system
- Light track mountable with 3C adapter included



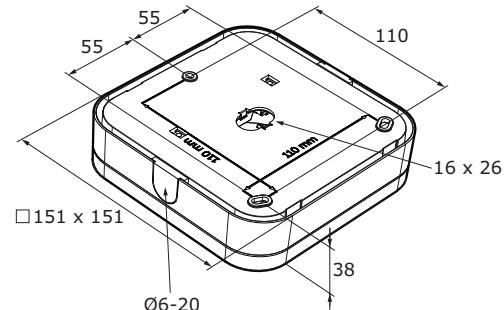
Luminaire

Type code	Order code	Material code	Input voltage	Lamp type	Lamp output (lm)	Light optics	Power consumpt. (VA/W)	Operation / duration (hrs)	Test system	Env. temp. (°C)	Weight (kg)
EL800S-M3/COM ER	7TCA305020R0094	511013311/50	230-240 Vac, 50/60Hz	1 x LED	101		3.33 / 3.19	3	NaveoPro wired	5-35	0.39
EL800S-M3/BT ER	7TCA305020R0148	511013411/50BT		1W					NaveoPro wireless	5-35	0.39
EL800S-M3/COM OA	7TCA305020R0100	511013312/50			109		3.33 / 3.19	3	NaveoPro wired	5-35	0.39
EL800S-M3/BT OA	7TCA305020R0149	511013412/50BT							NaveoPro wireless	5-35	0.39

Accessories

Type code	Order code	Material code	Product type
PK EL800	7TCA307020R0054	5110007/50	Pendant kit surface mounted escape route lighting

Modular pendant tubes and accessories to be used in combination with the pendant kit see page 66.



Movion®

Modular & versatile



Escape route signalisation - 22m

- One version available for wall and ceiling mount
- Strong light distribution with 500 cd/m²
- Light track mountable with 3C adapter included
- Recess kit for flush mounting available



Luminaire

Type Code	Order code	Material code	Version	Input voltage	Lamp type	Power consumpt. (VA/W)	Operation /duration (hrs)	Test system	Env. temp. (°C)	Weight (kg)
XT800S-M3/COM 22M	7TCA305020R0068	411013311/50	Sign	230-240 Vac, 50/60Hz	1 x LED 2W	4.4 / 4.1	3	NaveoPro wired	5-35	0.5
XT800S-M3/BT 22M	7TCA305020R0144	411013411/50BT	Sign			4.4 / 4.1	3	NaveoPro wireless	5-35	0.5

*Products delivered including pictograms

Legends

Part No.	Order code	Legends
1522251/50	7TCA307030R0134	 
1522252/50	7TCA307030R0136	 
1522253/50	7TCA307030R0135	 
1522258/50	7TCA307030R0137	 
1522250/50	7TCA307030R0142	 
1522210/50	7TCA307030R0143	 
1522211/50	7TCA307030R0144	 

Accessories

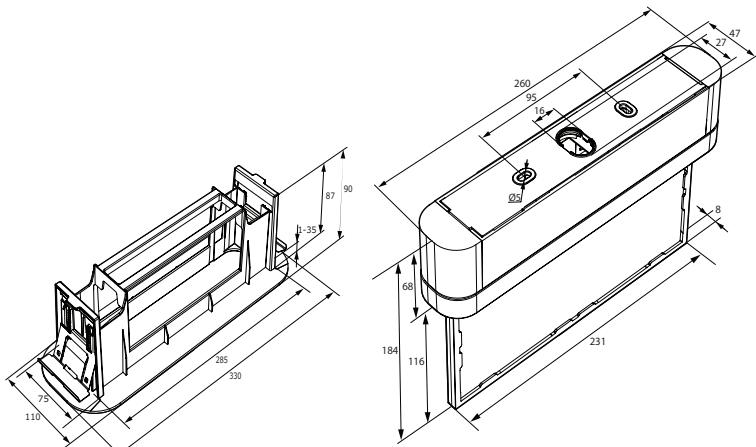
Type code	Order code	Material code	Product type
RK XT800	7TCA307020R0049	4110001/50	Recess kit for exit signs
PK XT800*	7TCA307020R0050	4110003/50	Pendant kit surface mounted exit signs
RENO XT800**	7TCA307020R0048	4110007/50	Renovation kit for exit signs

*Modular pendant tubes and accessories to be used in combination with the pendant kit see page 66.

** Use the RENO XT800 in combination with RK XT800.

IP Rating	Product type
IP20*	flush mount from above
IP42*	flush mount from below

*Only applicable when the recess kit is used.



Movion®

Modular & versatile



Hybrid - 22m

- All-in-one escape route lighting and signalisation luminaire for wall and ceiling mount
- Available lenses for escape route lighting and 5 lux illumination of safety equipment
- Light track mountable with 3C adapter included
- Recess kit for flush mounting available



Luminaire

Type Code	Order code	Material code	Version	Input voltage	Lamp type	Lumen output (lm)	Power consumpt. (VA/W)	Operation / duration (hrs)	Test system	Env. temp. (°C)	Weight (kg)
XTH800S-M3/COM 22M	7TCA305020R0074	411113311/50	Hybrid	230-240 Vac, 50/60Hz	1 x LED 2W + 1 x LED 1W	67	5.0 / 4.9	3	NaveoPro wired	5-35	0.5
XTH800S-M3/BT 22M	7TCA305020R0145	411113411/50BT	Hybrid			67	5.0 / 4.9	3	NaveoPro wireless	5-35	0.5

*Products delivered including pictograms

Legends

Part No.	Order code	Legends
1522251/50	7TCA307030R0134	
1522252/50	7TCA307030R0136	
1522253/50	7TCA307030R0135	
1522258/50	7TCA307030R0137	
1522250/50	7TCA307030R0142	
1522210/50	7TCA307030R0143	
1522211/50	7TCA307030R0144	

Accessories

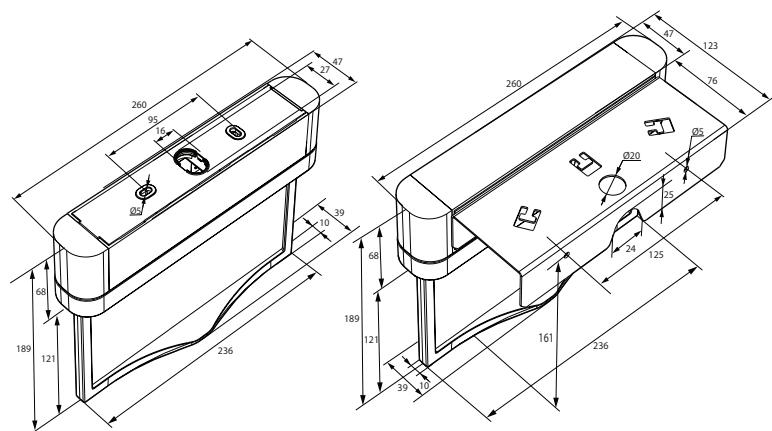
Type code	Order code	Material code	Product type
RK XT800	7TCA307020R0049	4110001/50	Recess kit for exit signs
PK XT800*	7TCA307020R0050	4110003/50	Pendant kit surface mounted exit signs
WB XTH 800	7TCA307020R0051	4110004/50	Wall bracket for Hybrid exit signs
RENO XT800**	7TCA307020R0048	4100007/50	Renovation kit for exit signs

*Modular pendant tubes and accessories to be used in combination with the pendant kit see page 66.

** Use the RENO XT800 in combination with RK XT800.

IP Rating	Product type
IP20*	flush mount from above
IP42*	flush mount from below

*Only applicable when the recess kit is used.



Lutia

Reliable & robust



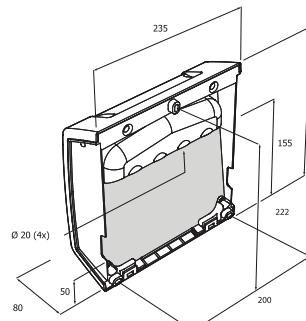
Ceiling and wall mounted luminaire

- First-fix and loop-in, loop-out systems minimise installation time
- One product concept for both wall and ceiling mounted
- Robust design developed for outdoor applications



Luminaire

Type Code	Order code	Material code	Input voltage	Lamp type	Lumen output (lm)	Power NON cons. (VA/W)	Power cons. (VA/W)	Duration (hrs)	Test system	Env. temp. (°C)	Weight (kg)
EL9400S-M3/COM ER	7TCA305020R0179	65760231/50	230-240 Vac, 50/60 Hz	2 x LED, 0,95W	97	6.1 / 5.5	4.32 / 4.165	3	NaveoPro wired	-20+40	1.4
EL9400S-M8/COM ER	7TCA305020R0180	65760281/50			30	6.1 / 5.5	4.32 / 4.165	8	NaveoPro wired	-20+40	1.4
EL9400S-M3/BT ER	7TCA309010R0071	65760230/50BT			97	6.1 / 5.5	4.32 / 4.165	3	NaveoPro wireless	-20+40	1.4

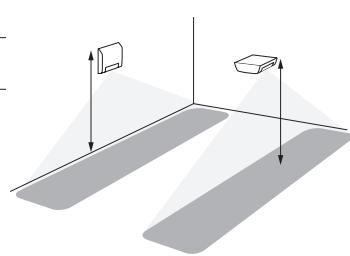
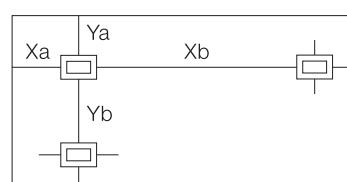


Spacing data Lutia

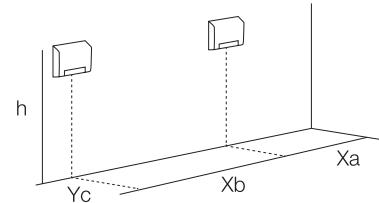
3h (1,0 lx)				
Lutia ceiling mounted				
h(m)	Ya	Yb	Xa	Xb
2,0	3,82	8,48	3,21	1,07
2,5	4,49	9,94	3,04	1,01
3,0	5,04	11,30	3,00	1,04
3,5	5,50	12,61	2,87	1,06
4,0	5,76	13,79	2,90	1,06
4,5	5,73	14,76	2,98	1,03
5,0	5,75	15,62	3,02	0,95
5,5	5,61	16,05	3,03	0,86
6,0	5,21	16,28	2,99	0,75
6,5	3,61	16,24	2,88	0,62
7,0	1,83	16,26	2,74	0,31

3h (1,0 lx)				
Lutia wall mounted				
Distance from wall (Yc)				
		1m	2m	
h(m)	Xa	Xb	Xa	Xb
2,0	3,5	7,8	-	-
2,5	4,1	9,4	-	-
3,0	4,6	10,0	-	5,0
3,5	5,0	12,0	-	5,2
4,0	5,2	12,8	-	5,4
5,0	5,3	14,2	3,5	14,0
6,0	4,6	14,4	2,2	14,8

Lutia ceiling mounted



Lutia wall mounted



Aqualux

Durable & high performance

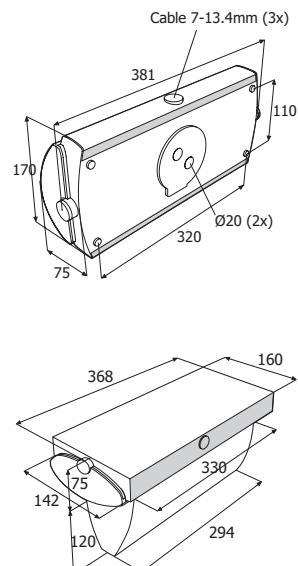


Luminaire

Type Code	Order code	Material code	Input voltage	Lamp type	Viewing distance	Lumen output (lm)	Duration (hrs)	Test system	Env. temp. (°C)	Weight (kg)
XTE9100S-M3/COM	7TCA305020R0181	7341055/50	230-240 Vac, 50Hz	1 x LED 3W	24m	79	3	NaveoPro	0-35	1.7 kg
XTE9100S-M3/COM FR	7TCA305020R0182	7341955/50			24m	79	3	NaveoPro	-25+35	1.7 kg
XTE9100S-M3/BT	7TCA305020R0224	7339055/50BT			24m	79	3	NaveoPro wireless	0-35	1.7 kg
XTE9100S-M3/BT FR	7TCA305020R0225	7339955/50BT			24m	79	3	NaveoPro wireless	-25+35	1.7 kg

Pictograms

Type Code	Order code	Material code	Description	Legend
PF 9100 25M/U	7TCA307030R0070	12730251/50	Pictogram foil	
PF 9100 25M/R	7TCA307030R0071	12730252/50	Pictogram foil	
PF 9100 25M/L	7TCA307030R0072	12730253/50	Pictogram foil	
PF 9100 25M/DL	7TCA307030R0073	12730254/50	Pictogram foil	
PF 9100 25M/DR	7TCA307030R0074	12730255/50	Pictogram foil	
PF 9100 25M/UL	7TCA307030R0075	12730256/50	Pictogram foil	
PF 9100 25M/UR	7TCA307030R0076	12730257/50	Pictogram foil	
PF 9100 25M/D	7TCA307030R0077	12730258/50	Pictogram foil	
PS 9100 25M/G	7TCA307030R0078	12527550/50	Pictogram sticker - for DS KIT 9100	
PS 9100 25M/U	7TCA307030R0079	12527551/50	Pictogram sticker - for DS KIT 9100	
PS 9100 25M/R	7TCA307030R0080	12527552/50	Pictogram sticker - for DS KIT 9100	
PS 9100 25M/L	7TCA307030R0081	12527553/50	Pictogram sticker - for DS KIT 9100	
PS 9100 25M/DL	7TCA307030R0100	12527554/50	Pictogram sticker - for DS KIT 9100	
PS 9100 25M/DR	7TCA307030R0101	12527555/50	Pictogram sticker - for DS KIT 9100	
PS 9100 25M/UL	7TCA307030R0102	12527556/50	Pictogram sticker - for DS KIT 9100	
PS 9100 25M/UR	7TCA307030R0103	12527557/50	Pictogram sticker - for DS KIT 9100	
PS 9100 25M/D	7TCA307030R0082	12527558/50	Pictogram sticker - for DS KIT 9100	



Accessories

Type Code	Order code	Material code	Description
WB 9100	7TCA307020R0029	11150028V/50	Wall bracket
DS KIT 9100	7TCA307020R0030	11240062/50	Double sided kit - to be used with PS 9100 pictogr.
SP 9100	7TCA307020R0023	11240064/50	Swimming pool set
PB 9100	7TCA305020R0048	11150063/50	Pendant bracket
CB 9100	7TCA305020R0049	11150029/50	Ceiling bracket

Cordona

Elegant LED lighting



IP65 decorative emergency LED luminaire

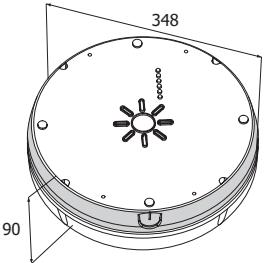
- LED light source/optional fluorescent
- Designed for escape route and open area lighting
- Polycarbonate luminaire body with clear or translucent diffuser
- ELR/SLR exemption for luminaires with Emergency as the primary function
- Semi-recessing accessory available
- Complies to IEC 60598.2.22 and IEC 60598-1
- Available in Opal and Clear diffuser

Luminaire

Type code	Order code	Material code	Input voltage	Lamp type	Lumen output (lm)	Power consumpt. (VA/W)	Operation /duration (hrs)	Test system	Env. temp. (°C)	Weight (kg)
CTCPW4LA1	7TCA091180R0348	LED 2D M3 WH/OPL-OPT CT	220-240 Vac, 50/60Hz	1 + 1 x LED 20+2W	1830 / 207	25.8 / 23	3	NaveoPro wired	0-30	2.2
CTCPW4LA11	7TCA091180R0349	LED 2D M3 WH/CLR-OPT CT			2355 / 207	25.8 / 23	3	NaveoPro wired	0-30	2.2
CTCPW4LA11BT	7TCA305020R0202	EL530S-M3/BT PR			1830 / 207	25.8 / 23	3	NaveoPro wireless	0-30	2.2
CTCPW4LA1BT	7TCA305020R0203	EL530S-M3/BT OP			2355 / 207	25.8 / 23	3	NaveoPro wireless	0-30	2.2

Accessories

Type code	Order code	Description
CPW/BZ	7TCA091360R0666	Semi-recessing bezel



Ceiling cutout 346 mm when semi-recessing.

Day-Lite Ex-cel

Practical & durable



Luminaire

Type code	Order code	Material code	Input voltage	Lamp type	Lumen output (lm)	Power consumpt. (VA/W)	Operation /duration (hrs)	Test system	Env. temp. (°C)	Weight (kg)
CTXXW3LS1	7TCA091180R0355	LED 2W M3 DAYLITE WHT/OPL CT	220-240 Vac, 50/60Hz	1 x LED 2W	214	6.1 / 3.9	3	NaveoPro wired	0-30	0.8
CTXXW3LS11	7TCA091180R0356	LED 2W M3 DAYLITE WHT/CLR CT			251	6.1 / 3.9	3	NaveoPro wired	0-30	0.8
CTXXW3LS11BT	7TCA305020R0207	XTE520S-M3/BT PR			214	6.1 / 3.9	3	NaveoPro wireless	0-30	0.8
CTXXW3LS1BT	7TCA305020R0208	XTE520S-M3/BT OP			251	6.1 / 3.9	3	NaveoPro wireless	0-30	0.8

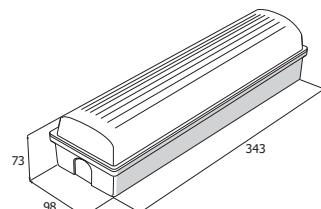
Legends

Part No.	Order code	Pictogram
RSEN2X	7TCA091350R3304	
RSEN3X	7TCA091350R3305	
RSEN6X	7TCA091350R3307	
RSEN5X	7TCA091350R3306	

Accessories

Type code	Order code	Description
XTR	7TCA091360R0774	Semi-recessing bezel in white

See Silver-Scape (pages 50-51) for recessed version



Cable entry via BESA on rear and 20 mm drill holes on rear and ends of unit. Ceiling cutout 342 mm x 95 mm when semi-recessing.

Silver-Scape

Practical & everyday



Recessed emergency luminaire

- Suitable for application in suspended ceilings
- Polycarbonate enclosure with wing fixings for recessed application
- Optically engineered diffuser
- Complies to IEC 60598.2.22

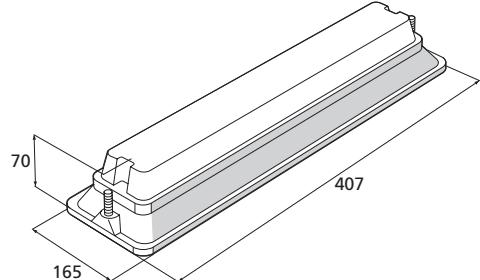
Luminaire

Type code	Order code	Material code	Input voltage	Lamp type	Lumen output (lm)	Power consumpt. (VA/W)	Operation / duration (hrs)	Env. Test system	Env. temp. (°C)	Weight (kg)
CTRBB3LS1X	7TCA091180R0350	RECSD B/HEAD 2W M3 LED WHT CT	220-240 Vac, 50/60Hz	1 x LED 2W	241	6.1 / 3.9	3	Naveo Pro Wired	0-30	1.1
CTRBB3LS1XBT	7TCA305020R0204	XTE510R-M3/BT			241	6.1 / 3.9	3	NaveoPro wireless	0-30	1.1

Order recess unit and diffuser panel separately

Accessories

Type code	Order code	Description
RB00	7TCA091360R0742	Recessed diffuser panel
RB011	7TCA091360R0981	Rb metal diffuser trim - white
RB041	7TCA091360R0982	Rb metal diffuser diff trim - gold/brass
RB051	7TCA091360R0983	Rb metal diffuser diff trim - stainless steel
RB061	7TCA091360R0984	Rb metal diffuser diff trim - silver



Cable entry via 20 mm knockouts on rear of unit.
Ceiling cutout 380 mm x 136 mm.

Silver-Scape

Practical & everyday



Luminaire

Type code	Order code	Material code	Input voltage	Lumen output (lm)	Power consumpt. (VA/W)	Operation / duration (hrs)	Test system	Env. temp. (°C)	Weight (kg)
CTRBB3LS1X	7TCA091180R0350	RECSD B/HEAD 2W M3 LED WHT CT	220-240 Vac, 50/60Hz	241	6.1 / 3.9	3	NaveoPro wired	0-30	1.1
CTRBB3LS1XBT	7TCA305020R0204	XTE510R-M3/BT		241	6.1 / 3.9	3	NaveoPro wireless	0-30	1.1

Legends

Single sided

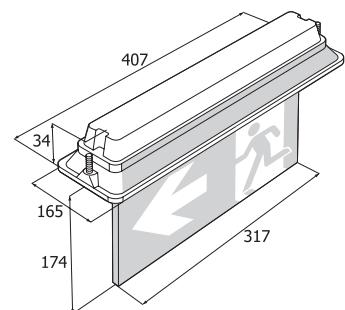
Part no.	Order code	Pictogram
XEN2A31	7TCA091350R3279	⬇️
XEN3A31	7TCA091350R3280	⬅️➡️
XEN6A31	7TCA091350R3282	⬅️➡️
XEN5A31	7TCA091350R3281	⬆️

Double sided

Part no.	Order code	Pictogram
XEN36A32	7TCA091350R3283	⬅️➡️➡️
XEN22A32	7TCA091350R3694	⬇️⬇️⬇️

Accessories

Type code	Order code	Description
RE01	7TCA091360R0977	Recessed diffuser panel with sign panel slot
RE01P	7TCA091360R0985	Re plastic slot trim - white
RE04	7TCA091360R0978	Re metal slot trim - gold/brass
RE05	7TCA091360R0979	Re metal slot trim - stainless steel
RE06	7TCA091360R0980	Re metal slot trim - silver



Cable entry via 20 mm knockouts on rear of unit.
Ceiling cutout 380 mm x 136 mm.

Weatherforce

Practical & durable

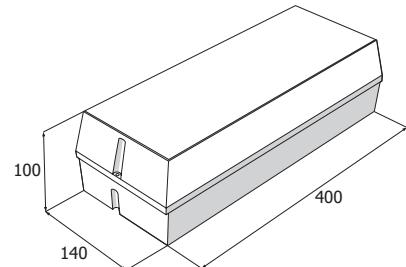


Luminaire

Type code	Order code	Material code	Input voltage	Lamp type	Lumen output (lm)	Power consumpt. (VA/W)	Operation duration (hrs)	Test system	Env. temp. (°C)	Weight (kg)
CTWWA3LS1	7TCA091180R0352	LED 2W M3 W/FORCE WHT/OPL CT	220-240 Vac, 50/60Hz	1 x LED 2W	207	6.1 / 3.9	3	NaveoPro wired	0-30	1.8
CTWWA3LS11	7TCA091180R0353	LED 2W M3 W/FORCE WHT/PRIS CT			207	6.1 / 3.9	3	NaveoPro wired	0-30	1.8
CTWWA3LS11BT	7TCA305020R0205	XTE9000S-M3/BT PR			207	6.1 / 3.9	3	NaveoPro wireless	0-30	1.8
CTWWA3LS1BT	7TCA305020R0206	XTE9000S-M3/BT OP			207	6.1 / 3.9	3	NaveoPro wireless	0-30	1.8

Legends

Part no.	Order code	Pictogram
RSEN2120	7TCA091350R4215	
RSEN3120	7TCA091350R4216	
RSEN6120	7TCA091350R4218	
RSEN5120	7TCA091350R4217	
RSEN120		



Cable entry via BESA on rear and 20 mm drill holes on ends of unit.
Ceiling cutout 390 mm x 130 mm when semi-recessing.

HyLED

Powerful & reliable



Energy efficient, high output LED luminaire

- 360 degrees turnable lamp unit, steady in position
- High ceilings industrial environments
- Sealed IP65 loop in, loop out cabling system
- Mounting and assembly flexibility onto pillars, ceilings, etc.



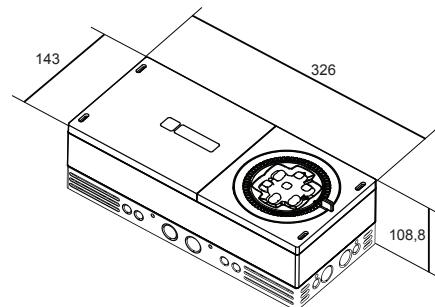
Luminaire

Type code	Order code	Material Code	Input voltage	Lamp type	Lumen output (lm)	Power consumpt. (VA/W)	Operation / duration (hrs)	Test system	Env. temp. (°C)	Weight (kg)
3 hour										
CTHY3LA2	7TCA091720R0080	HY-LED CT-M/NM3 OA GY PC IP65	220-240 Vac, 50Hz	1 x LED 7W	350	15 / 7	3	NaveoPro wired	0-25	1.7
CTHY3LE2	7TCA091720R0081	HY-LED CT-M/NM3 ESC GY PC IP65			350	15 / 7	3	NaveoPro wired	0-25	1.7
CTHY3LA2BT	7TCA305020R0347	EL9300S-M3/BT OA			350	15 / 7	3	NaveoPro wireless	0-25	1.7
CTHY3LE2BT	7TCA305020R0355	EL9300S-M3/BT ER			350	15 / 7	3	NaveoPro wireless	0-25	1.7

60 hrs charge at first commissioning, 24 hrs re-charge thereafter.

Accessories

Order code	Description
HY-MBK	Wall mounting/coupling bracket kit
HY-RKIT	Recessing kit



Indulux escape route signalisation

Industrial & design



All-in-one tubular emergency lighting

- Mounting, wiring and expanded flexibility
- Stainless steel solution resisting dust and water (IP68)
- Rapid maintenance with sliding electronic base module



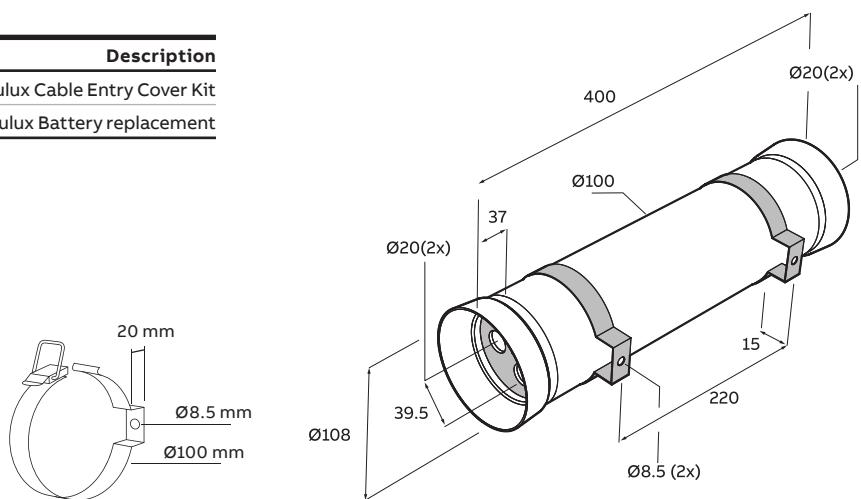
Luminaire

Type code	Order code	Material Code	Input voltage	Lamp type	Lumen output (lm)	Power consumpt. (VA/W)	Operation / duration (hrs)	Test system	Env. temp. (°C)	Weight (kg)
CTIND3LS5	7TCA091720R0181	Indulux LED S/S M3 CT	220-240 Vac, 50Hz	1 x LED 4W	200	7.5 / 3.5	3	NaveoPro wired	0-40	1.6
CTIND3LS5DS	7TCA091720R0182	Indulux LED D/S M3 CT		2 x LED 4W	400	7.5 / 3.5	3	NaveoPro wired	0-40	2.0
11120406/50BT	7TCA305020R0323	XTE9200S-M3/BT		1 x LED 4W	200	7.5 / 3.5	3	NaveoPro wireless	0-40	1.6
11120407/50BT	7TCA305020R0331	XT9200S-M3/BT		2 x LED 4W	400	7.5 / 3.5	3	NaveoPro wireless	0-40	2.0

Pictograms included = Left, right, up, down and blank

Accessories

Type Code	Order Code	Description
102601K	7TCA091830R0075	Indulux Cable Entry Cover Kit
102702K	7TCA091830R0077	Indulux Battery replacement



InduXEL222

Solution for extreme conditions - Zone 2 & 22



Features

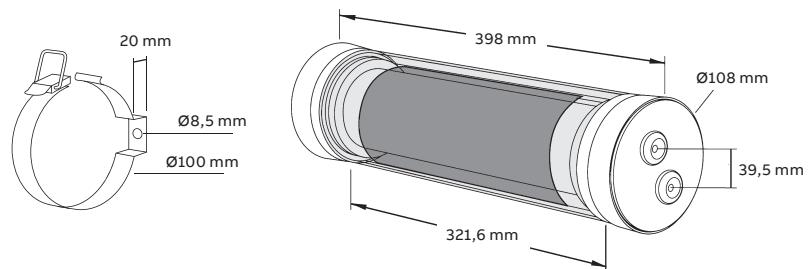
- Emergency lighting suitable for zones 2 & 22
- Easy to install
- Rapid maintenance with Naveo®Pro supervision
- Polycarbonate diffuser & UV protected
- Stainless steel solution (316L)
- Including accessories (cable gland & plug)



Luminaire

Type code	Order code	Material Code Signage / Lighting	Input voltage	Lamp type	Lumen output (lm)	Power consumpt. (W)	Operation / duration (hrs)	Test system	Env. temp. (°C)	Weight (kg)
1139105	7TCA309185R0012	XTE96005-M3/COM EX	220-240 Vac, 50Hz	1 x LED 4W	200	3.5	3	NaveoPro wired	0-40	1.6

Pictograms included = Left, right, up, down and blank
Glow wire 850°C



Accessories



Cable entry
cover kit
102 601K



Pictograms*

	Type code	Order code	Description
Cable gland	674 114	7TCA022225R0002	For cables from 6 to 12mm - M20 Nylon
Cable entry cover	102 601K	7TCA091830R0075	InduXel cable entry cover kit
Pictograms*	12220251 12220252 12220253 12220258 12220250	7TCA091350R4186 7TCA091350R4184 7TCA091350R4187 7TCA091350R4183 7TCA091350R4185	Pictogram PF 202/51 Pictogram PF 202/52 Pictogram PF 202/53 Pictogram PF 202/58 Pictogram PF 202/50
Battery	102 702K	7TCA091830R0077	4.8V -1.2Ah for 1129105 and 1139105

*Pictograms are branded VanLien

674 114

Pictograms

Legend

	Tested and certified by an independent European certification agency such as KEMA		Classification for the degree of protection provided by enclosures against external mechanical impacts
	The fixture complies with CE		Self-contained: in case of power failure, the luminaire is battery powered
	BSI Kitemark approved		Maintained / Switched maintained luminaire
	Insulation class II. No earth connection should be made to this luminaire		Indicates the viewing distance of the (illuminated) pictogram in metres
	The product is equipped with a LED light source		Battery-powered light operating time autonomy (i.e. 3 hours)
	Surface mounted luminaire		Rapid installation
	ATEX certified electrical equipment for explosive atmospheres		Nickel Metal Hydride battery
	Recess mounted luminaire		Recharge period (i.e. 24 hours)
	Indicates the protection class (IP value)		Naveo®Pro compatible luminaire

**Our solutions
bring the future to you.**

Today.

Through intelligent emergency lighting, ABB makes building safety more accessible than ever.

From office buildings and schools to hospitals and stadiums, Naveo®Pro brings the power of connected IoT emergency lighting to any environment.



ABB



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