THORN
LIGHTING

# EMERGENCY LIGHTING

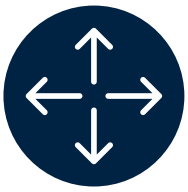
2021

# BETTER LIGHT BETTER SECURITY

WE MAKE LIGHT WORK

THORN

# SAFETY, SIMPLICITY AND PERFORMANCE



### UNIVERSAL MOUNTING

A variety of mounting options for ceilings and walls, so luminaires fit into any architectural setting

### FLEXIBILITY OF APPLICATION

Many Thorn safety luminaires can also be used as illuminated safety sign luminaires, giving customers maximum flexibility

### HIGH EFFICIENCY

The latest LED technology contributes to the high efficiency of Thorn's emergency lighting products

### TIME-SAVING

Easy installation, maintenance, testing and operation saves users time and money

## WHY CHOOSE THORN EMERGENCY LIGHTING?

The purpose of emergency lighting is to allow people to make their way safely out of buildings in the event of an emergency for example during a black out. In these situations, lighting can save lives and keep people calm. It goes without saying that emergency lighting must comply with all relevant rules and regulations. But the best emergency lighting goes further, incorporating flexible luminaires with ease of installation and maintenance, long life and energy efficiency. Thorn's 90+ years of experience and reputation for quality are your guarantee of an optimal emergency lighting solution.

# CHOOSE GENUINE EMERGENCY LIGHTING PRODUCTS FROM THORN

The Thorn emergency lighting products are designed, tested and made specifically for the purpose of emergency lighting. With the electricians in focus, Thorn provides innovative-easy-to-use products saving time and money during installation. Thanks to the flexible approach of every luminaire the product portfolio is easy to oversee and understand. Needless to say that the emergency lighting luminaires of Thorn are also covered in the 5-years warranty*, giving users peace of mind.

* batteries handled separately

**PRODUCT STANDARDS**

With over forty years experience in emergency lighting manufacturing, Thorn only offer products that are designed, manufactured and tested to meet the latest European standards regarding safety and EMC, including:

**EN 60598-1**
**EN 60598-2-22**
**EN 62471**
**EN 55015**
**ISO7010**

Thorn only produce specifically designed emergency luminaires to comply with these increasingly stringent requirements. Thorn only uses high-quality components, such as diffusers and batteries, to ensure optimum performance in all situations and full compliance with the full range of standards and regulations.

Thorn emergency fittings are tested in independent and internal test houses to make sure that these high quality standards can be achieved. Regulations on electromagnetic compatibility (EMC) state that luminaires should not emit or be susceptible to electro-magnetic radiation above certain designated levels. All Thorn emergency fittings comply with these requirements. Additionally to providing ldt., Dialux and Relux files for our safety luminaires we offer the spacing values. These spacing values make it very easy to plan the emergency lighting design scheme for your individual situation even on site.

European law requires that the person responsible for a building makes sure that people can safely leave the premises if the mains power fails, by putting in place emergency lighting that comes on automatically when a lighting circuit loses power. The law dictates the level of lighting required in the event of an emergency, as well as the visibility of exit signage and the time it takes for emergency luminaires to come on.

Emergency lighting falls into two categories: emergency **escape lighting** illuminates exit routes and open areas. Exit routes must be clearly lit and signed to make sure people can evacuate safely. Open-area lighting is designed to reduce confusion and panic, while at the same time ensuring visibility of the nearest exit route. Escape lighting also enables employees to shut down sensitive or potentially dangerous processes before evacuating the building. **Standby lighting** allows normal activities to continue if the main lighting fails.

# TESTING OPTIONS

### MAINTAINING YOUR EMERGENCY LIGHTING

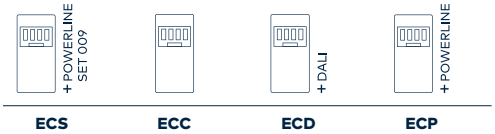
Once an emergency lighting scheme is designed and installed, the person responsible for the building has a legal obligation to make sure that all the emergency luminaires will operate when required. Emergency light fittings must be regularly tested to confirm that they will operate when needed. As a pioneer in the field of emergency lighting, Thorn offers three different ways of testing emergency lighting:

### CONTROL TEST

Emergency light fittings are controlled by a central system. This system automatically tests each luminaire and stores the results for analysis. Control test systems are the best way of ensuring a fully functional emergency lighting scheme, particularly in larger applications.

Abbreviations for self-contained luminaires:

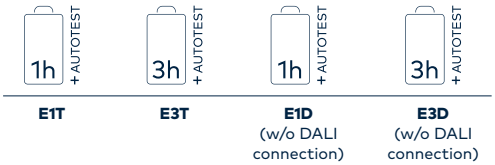
Abbreviations for central supplied luminaires:




### AUTO TEST

All the emergency lights are equipped with an intelligent processor that automatically tests functionality and battery life. Results are shown by a two-colour LED indicator. Auto test is an ideal option for small to medium-sized applications.

Abbreviations for self-contained luminaires:



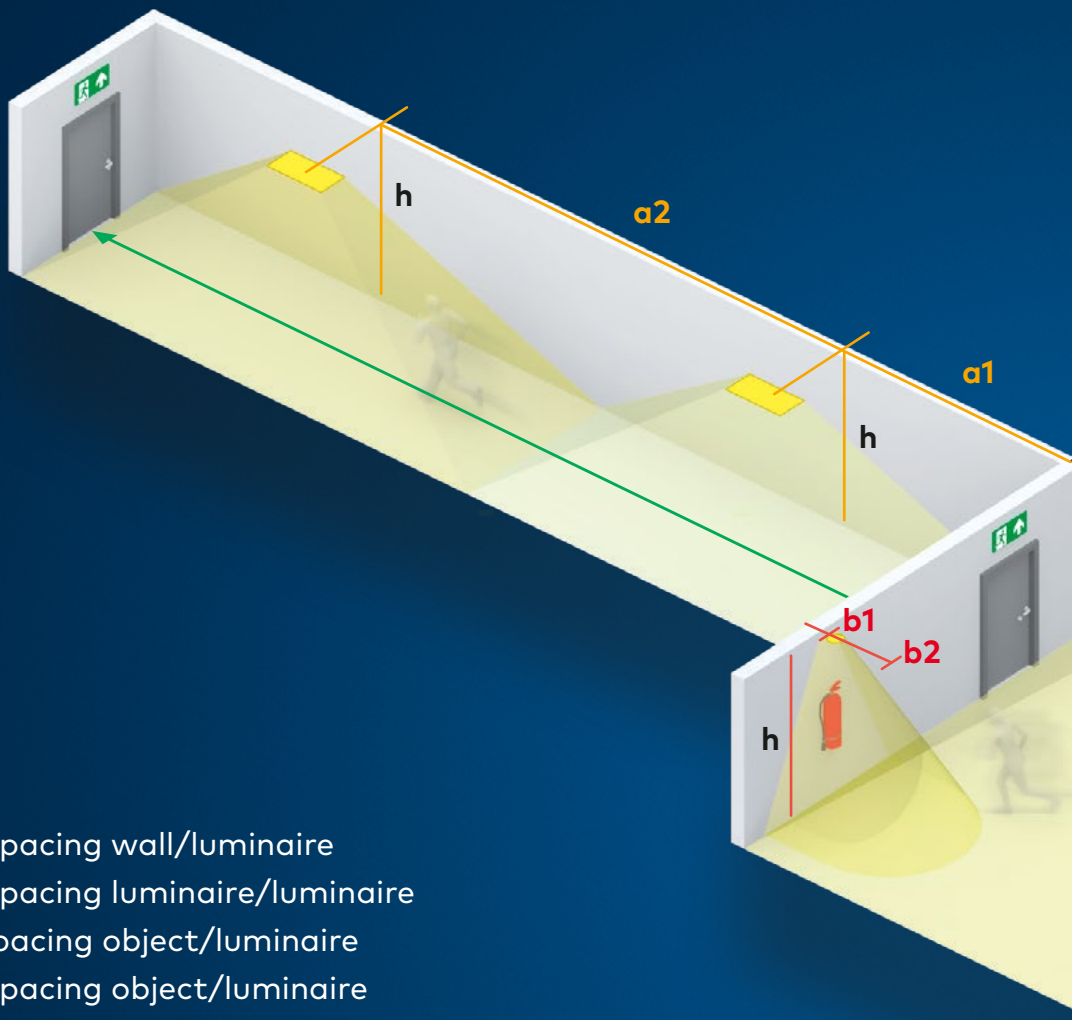

### MANUAL TEST

A competent individual must walk around the building and perform a manual check on the functioning of each emergency fitting, before logging the results on a dedicated record sheet. This needs to be completed by hand and stored ready for inspection by safety authorities.

Abbreviations for self-contained luminaires:

# SPACING FOR EMERGENCY LUMINAIRES

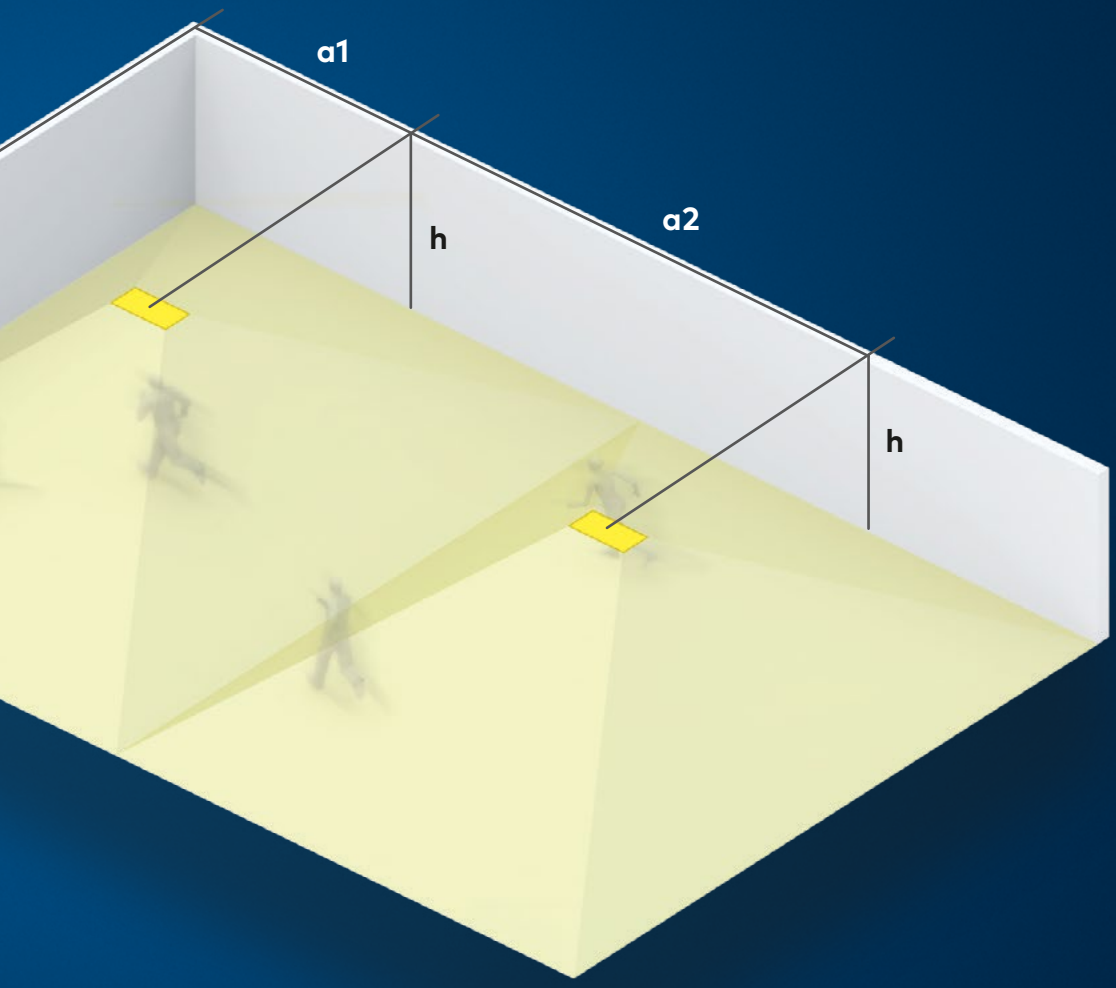
## THORN EMERGENCY LIGHTING




| | | |
|---|---|---|
| a1 | = | maximum spacing wall/luminaire |
| a2 | = | maximum spacing luminaire/luminaire |
| b1 | = | minimum spacing object/luminaire |
| b2 | = | maximum spacing object/luminaire |

| | | |
|---|---|---|
| h | = | ceiling height |

These illustrations show how to interprete the spacing tables.



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# SAFETY LUMINAIRES

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# VOYAGER

# STAR

# Performance, flexibility and intelligence.

# VOYAGER STAR

Safety Luminaire

**Voyager Star stands for cutting-edge performance – a light technology that adapts to every building situation, flexible mounting options and a perfectly discreet appearance. Integrated PROset functionality (E1D / E3D version) offers a true digital interface and lays the foundation for new possibilities in configuration, addressing and maintenance.**

## BENEFITS

**HIGH PERFORMANCE**
Thanks to its specialised optics, Voyager Star sends light exactly where it is needed in the event of an emergency. Due to wide spacing values, luminaires can be saved when compared to other solutions and the overall project costs are reduced.

**FLEXIBLE**
Voyager Star can be used in a wide variety of mountings. As well as the unobtrusive recessed version, which integrates discreetly with ceilings, the luminaire is also available in a surface-mounted version.

**INTELLIGENT**
Beside easy configuration and addressing of the luminaire by using the PROset Tools, the luminaire can also be connected to the LITECOM, emCON or SB128 controller (E1D / E3D versions). Additionally, central battery versions are available.

THORNLIGHTING.COM/VSTR

## POWER SUPPLY

- 3h — E3
- 3h + AUTOTEST + DALI — E3D
- 1h + AUTOTEST + DALI — E1D
- + POWERLINE SET 009 — ECS
- + DALI — ECD
- ECC
- + POWERLINE — ECP

## MOUNTING

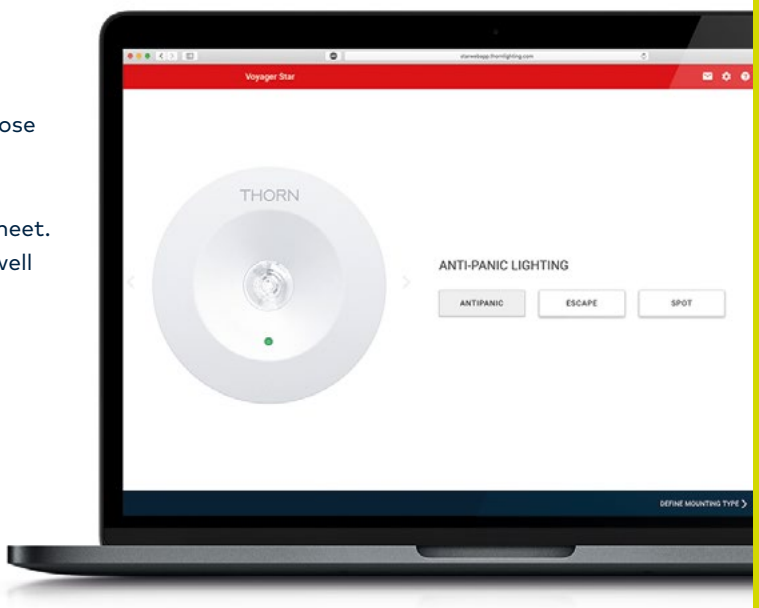
- MRC
- MSC

## VOYAGER STAR APP

The VOYAGER Star app makes emergency lighting planning a breeze: After only 3 clicks, the maximum mounting distances between two luminaires and those for the wall are displayed for the selected mounting height. For further information, the automatically displayed article number links directly to the data sheet. The app is available as a homepage for laptops as well as an app for smartphones (iOS and Android).

Download on the App Store

GET IT ON Google Play



# VOYAGER FIT

Super compact, long-lasting,
easy to use.

# VOYAGER FIT

Safety Luminaire

**Voyager Fit is a super-compact emergency luminaire for flexible installation in and on ceilings. The recessed version is just 51 mm in diameter, requiring a ceiling hole of only 43 mm and a void height of just 80 mm. The surface mounted version is available in two heights. In cases of cable entries only from the back, it is 32 mm high only. Voyager Fit comes with three interchangeable lenses (antipanic, escape and spot), which can be rapidly fitted. The product features a lithium iron phosphate battery, which comes with three-year warranty.**

## BENEFITS

**LONG-LASTING**
Self-contained emergency luminaires rely on long-lasting batteries. Voyager Fit's high-tech lithium iron phosphate battery is robust and comes with a three-year warranty, providing the needed safety and giving users peace of mind.

**SUPER SMALL**
Working out where to install emergency luminaires in certain buildings can be a challenge. Voyager Fit is so small and because it only requires an 80 mm ceiling void it can be placed almost anywhere with very little impact on the appearance of ceilings. Voyager Fit can also be surface mounted. It is available in two colours, black and white, and with two housing heights, to achieve flexibility in many applications.

**INTERCHANGEABLE LENSES**
Voyager Fit's interchangeable lenses make it easy to get the light distribution you need in the actual situation on site. Don't worry upfront about different needed variants, just fit the required lens once decided.

THORNLIGHTING.COM/VOYF

**POWER SUPPLY**

- 3h — E3
- 3h + AUTOTEST — E3T
- 3h + AUTOTEST + DALI — E3D

**MOUNTING**

- MRC
- MSC

**Voyager Fit – Antipanic Lens**

| | antipanic (0.5 lx) | |
|---|---|---|
| h | a1 | a2 |
| 2.50 | 3.70 | 10.70 |
| 3.00 | 3.70 | 11.75 |
| 3.50 | 3.70 | 12.75 |
| 4.00 | 3.55 | 13.70 |
| 4.50 | 3.50 | 14.20 |
| 5.00 | 3.35 | 14.65 |

**Voyager Fit – Escape Lens**

| | escape (1 lx) | |
|---|---|---|
| h | a1 | a2 |
| 2.50 | 4.65 | 11.55 |
| 3.00 | 4.70 | 12.55 |
| 3.50 | 4.95 | 13.20 |
| 4.00 | 5.15 | 13.25 |
| 4.50 | 5.30 | 13.65 |
| 5.00 | 5.40 | 14.05 |

**Voyager Fit – Spot Lens**

| | spot (5 lx) | |
|---|---|---|
| h | b1 | b2 |
| 2.50 | 0.25 | 0.6 |
| 3.00 | * | * |
| 3.50 | * | * |
| 4.00 | * | * |
| 4.50 | * | * |
| 5.00 | * | * |

All values in metres, all values for ta = 30 °C, maintenance factor = 0.8

*Determine a1 / a2 /b1 / b2 figure by means of lighting calculation (taking adjacent luminaires into account)

# VOYAGER TWIN

# SPOT

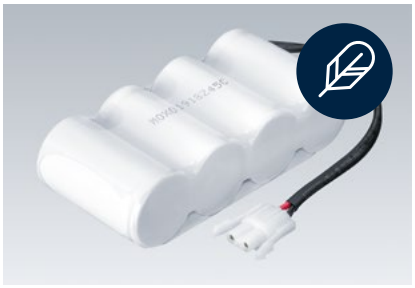
## Flexible, durable, strong.

# VOYAGER TWIN SPOT

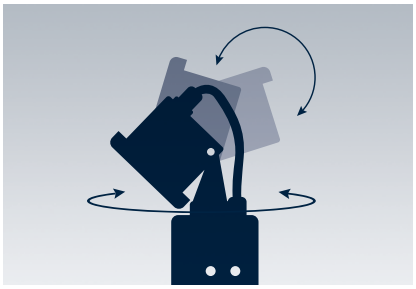
Safety Luminaire

**The Voyager Twin Spot features exceptional functionality. The components are enclosed in an IP65-rated housing that offers the best possible protection for every environmental condition. For convenient installation, there are prepared cable openings and well accessible terminals. In addition to the low weight, the Voyager Twin Spot can be configured for any application using the two adjustable light heads.**

## BENEFITS



**THE LIGHTEST IN ITS CLASS**
With changing the battery technology and a resulting weight of just 1.7 kg and a depth of 87 mm, Voyager Twin Spot is now one of the lightest and slimmest twin spot luminaires on the market, making installation easy for electrical contractors.



**FLEXIBLE**
Thanks to its two turnable and tiltable LED light heads, Voyager Twin Spot can be customised to the needs of every application. Even if requirements change, the luminaire can be easily reconfigured without having to change or replace anything.

**PROTECTED**
Voyager Twin Spot is rated IP65 for protection against moisture and dust, so that it can be used in a variety of settings. A DALI version is also available for connection to emergency lighting systems such as LITECOM or SB128, for more sophisticated safety management.

THORNLIGHTING.COM/VOYT

## POWER SUPPLY

E3

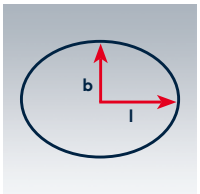
E3X

## MOUNTING

MSW

**Voyager Twin Spot Ant, Min 0.5 lx**

| head angle 45° | | | |
|---|---|---|---|
| h [m] | l [m] | b [m] | A [m2] |
| **2.5** | 3.8 | 3.9 | 46.6 |
| **3** | 4 | 4.2 | 52.8 |
| **4** | 4.4 | 4.4 | 60.8 |
| **5** | 4.5 | 4.4 | 62.2 |
| **6** | 4.4 | 4.2 | 58.1 |
| **7** | 4.1 | 3.7 | 47.7 |
| **8** | 3.5 | 2.9 | 31.9 |




The values given are to be seen as reference values of the luminaire spacing and are not a basis for a lighting design. The lighting design of the luminaire must be carried out with Dialux or an equivalent program.

# ADAPTABLE SAFETY LUMINAIRES

**28** VOYAGER ONE

**32** VOYAGER SOLID

# VOYAGER ONE

# The only ONE.

# VOYAGER ONE

**With Voyager One, we have introduced a platform for emergency luminaires rather than a single luminaire. When delivered the basic luminaire is an IP65 safety luminaire. It can easily be converted into a safety sign luminaire and also adapted to all possible conditions with optional accessories. Who says you need hundreds of article codes – you can get the job done with One Luminaire.**

## BENEFITS

**STYLE AND STRENGTH**
Voyager One is an ultra-slim emergency luminaire that also achieves high levels of protection. The luminaire balances a simple blade appearance with IP65 protection against dust and moisture. Who says you can't have elegant design in demanding environments?

**PRACTICAL**
Thorn stands for quality and practical products. With this in mind, we make sure installation of luminaires is as simple as possible. The screw-free housing is easy to assemble, and accessories such as pictogram inserts and the recessed adapter can just be clicked in.

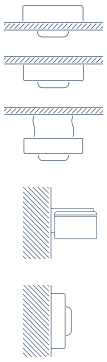
**TWO BECOME ONE**
When you combine the elements of an safety and an safety sign luminaire, you create a new type of luminaire. As well as being a high-performing safety luminaire, Voyager One can also fulfil the requirements of a safety sign luminaire. It's two products in One.

THORNLIGHTING.COM/VOYO

Safety Luminaire

Safety Sign Luminaire

## MOUNTING



MRC
MSC
MSC-Cord25
MS90°
MSW

## POWER SUPPLY

E3

E3T

E3D

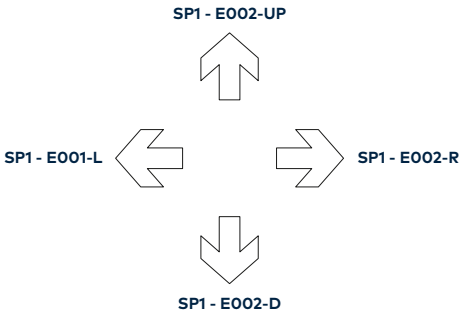
ECS

ECD

ECC

ECP

## ARROW DIRECTIONS ONE-SIDED




### Voyager One HP

| | antipanic (0.5 lx) – no lens | | antipanic (1 lx) – no lens | | escape (1 lx) – escape lens | |
|---|---|---|---|---|---|---|
| h | a1 | a2 | a1 | a2 | a1 | a2 |
| **2.50** | 4.00 | 10.95 | 3.95 | 10.85 | 9.60 | 23.50 |
| **3.00** | 4.80 | 13.15 | 4.25 | 12.20 | 10.70 | 25.10 |
| **3.50** | 5.55 | 15.30 | 4.50 | 13.30 | 11.75 | 27.05 |
| **4.00** | 5.85 | 16.65 | 4.75 | 14.20 | 12.55 | 29.30 |
| **4.50** | 6.15 | 17.85 | 4.95 | 15.00 | 13.25 | 31.45 |
| **5.00** | 6.45 | 18.90 | 5.15 | 15.70 | 13.40 | 33.40 |

| | antipanic (0.5 lx) – hc lens | | antipanic (1 lx) – hc lens | |
|---|---|---|---|---|
| h | a1 | a2 | a1 | a2 |
| **28.00** | 7.35 | 24.65 | 4.80 | 19.55 |
| **29.00** | 7.35 | 25.00 | 4.65 | 19.75 |
| **30.00** | 7.35 | 25.30 | 4.50 | 19.90 |
| **31.00** | 7.35 | 25.60 | 4.30 | 20.05 |
| **32.00** | 7.35 | 25.85 | 4.15 | 20.20 |
| **33.00** | 7.30 | 26.15 | 3.90 | 20.35 |

# VOYAGER

# SOLID

# The bulkhead that makes emergency lighting easy.

# VOYAGER SOLID

THORNLIGHTING.COM/VYSO

**Available in small or large versions with a consistent design, Voyager Solid provides an even, homogenous light distribution. Easy to install and configure, Voyager Solid can be used as a recessed and surface mounted luminaire on walls and ceilings. The fitting is rated IP65 for use in a variety of locations. The Voyager Solid large variants with higher lumen packages, can be used as safety luminaire at higher ceiling mountings and in special markets, where specific light output are requested. Voyager Solid's emergency pictograms are printed on inlets that are inserted and protected inside the luminaire.**

## BENEFITS

### CHANGEABLE INLETS

Instead of being stuck on to the exterior of the fitting, Voyager Solid's pictograms are on inlets placed inside the luminaire, making them more durable, faster to exchange and more homogeneous in illumination.

### MULTIPLE MOUNTINGS

Whatever type of building you're working in, and whatever variety of spaces you're dealing with, Voyager Solid provides a consistent solution from a single product. The luminaire can be used as a wall-mounted, ceiling-mounted or semi-recessed luminaire.

### TESTING OPTIONS

Regular testing of emergency lighting is vital in order to keep buildings safe and compliant with regulations. Tests can either be performed manually or through a self-test system. Voyager Solid is available in control test, auto test and manual test versions, and additionally as self-contained and central battery supplied versions.

Safety Luminaire

Safety Sign Luminaire

## MOUNTING

MRC

MSC

MRW

MSW

## POWER SUPPLY

E3

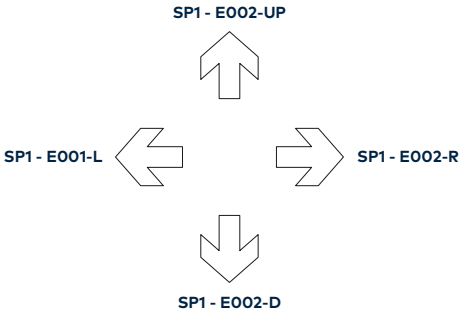
E3T + AUTOTEST

E3D + AUTOTEST + DALI

ECD + DALI

ECP + POWERLINE

## ARROW DIRECTIONS ONE-SIDED




### Solid with Opal Inlet

| | antipanic (0.5 lx) | | escape (1 lx) | |
|---|---|---|---|---|
| h | a1 | a2 | a1 | a2 |
| 2.50 | 1.95 | 6.95 | 1.85 | 5.50 |
| 3.00 | 2.10 | 7.40 | 1.65 | 5.50 |
| 3.50 | 2.10 | 7.70 | 1.10 | 5.35 |
| 4.00 | 1.90 | 7.95 | * | 5.00 |
| 4.50 | 1.75 | 8.00 | * | 3.70 |
| 5.00 | 1.55 | 7.85 | * | 2.40 |

### Solid without Opal Inlet

| | antipanic (0.5 lx) | | escape (1 lx) | |
|---|---|---|---|---|
| h | a1 | a2 | a1 | a2 |
| 2.50 | 2.65 | 8.00 | 2.90 | 7.50 |
| 3.00 | 2.75 | 8.75 | 2.95 | 7.95 |
| 3.50 | 2.85 | 9.25 | 2.90 | 8.25 |
| 4.00 | 2.95 | 9.75 | 2.80 | 8.35 |
| 4.50 | 2.90 | 10.15 | 2.60 | 8.35 |
| 5.00 | 2.90 | 10.50 | 2.20 | 8.20 |

### Solid L with Opal Inlet

| | antipanic (0.5 lx) | | escape (1 lx) | |
|---|---|---|---|---|
| h | a1 | a2 | a1 | a2 |
| 2.50 | 1.95 | 6.70 | 1.85 | 5.55 |
| 3.00 | 1.95 | 7.05 | 1.65 | 5.55 |
| 3.50 | 1.90 | 7.30 | 1.15 | 5.35 |
| 4.00 | 1.75 | 7.55 | * | 5.00 |
| 4.50 | 1.50 | 7.70 | * | 3.80 |
| 5.00 | 1.15 | 7.85 | * | 2.40 |

### Solid L without Opal Inlet

| | antipanic (0.5 lx) | | escape (1 lx) | |
|---|---|---|---|---|
| h | a1 | a2 | a1 | a2 |
| 2.50 | 2.00 | 11.35 | * | 5.75 |
| 3.00 | 1.05 | 11.75 | * | 3.10 |
| 3.50 | * | 11.00 | * | * |
| 4.00 | * | 10.10 | * | * |
| 4.50 | * | 8.85 | * | * |
| 5.00 | * | 7.50 | * | * |

### Solid L HP with Opal Inlet

| | antipanic (0.5 lx) | | escape (1 lx) | |
|---|---|---|---|---|
| h | a1 | a2 | a1 | a2 |
| 2.50 | 4.2 | 12.6 | 4.7 | 11.6 |
| 5 | 5.5 | 17.1 | 5.7 | 14.9 |
| 10 | 5.9 | 20.7 | 4.0 | 16.0 |
| 15 | 3.5 | 20.1 | * | * |
| 20 | * | * | * | * |

### Solid L HP without Opal Inlet

| | antipanic (0.5 lx) | | escape (1 lx) | |
|---|---|---|---|---|
| h | a1 | a2 | a1 | a2 |
| 2.50 | 4.0 | 11.3 | 5.3 | 13.2 |
| 5 | 6.6 | 19.7 | 7.1 | 17.9 |
| 10 | 8.0 | 25.7 | 7.5 | 21.7 |
| 15 | 7.6 | 27.8 | 2.2 | 20.7 |
| 20 | 4.2 | 27.3 | * | * |

# FROM SAFETY

VOYAGER

VOYAGER

# TO SAFETY SIGN

ONE

SOLID

# SAFETY SIGN LUMINAIRES

**40** VOYAGER STYLE

**44** VOYAGER SIGMA

**48** VOYAGER BLADE 2

**52** VOYAGER SQUARE

# VOYAGER STYLE

# Stylish yet strong.

# VOYAGER STYLE

THORNLIGHTING.COM/VYST

Safety Sign Luminaire

**At just 37 mm thick, Voyager Style is slim and unobtrusive. As well as self-contained versions it is also available for central battery systems. It can be easily mounted on ceilings or walls within the scope of delivery. With an adapter, recessed mounting is also possible for the sleekest possible look. Voyager Style is rated IP43* for protection against dust and moisture, making it a versatile solution.**

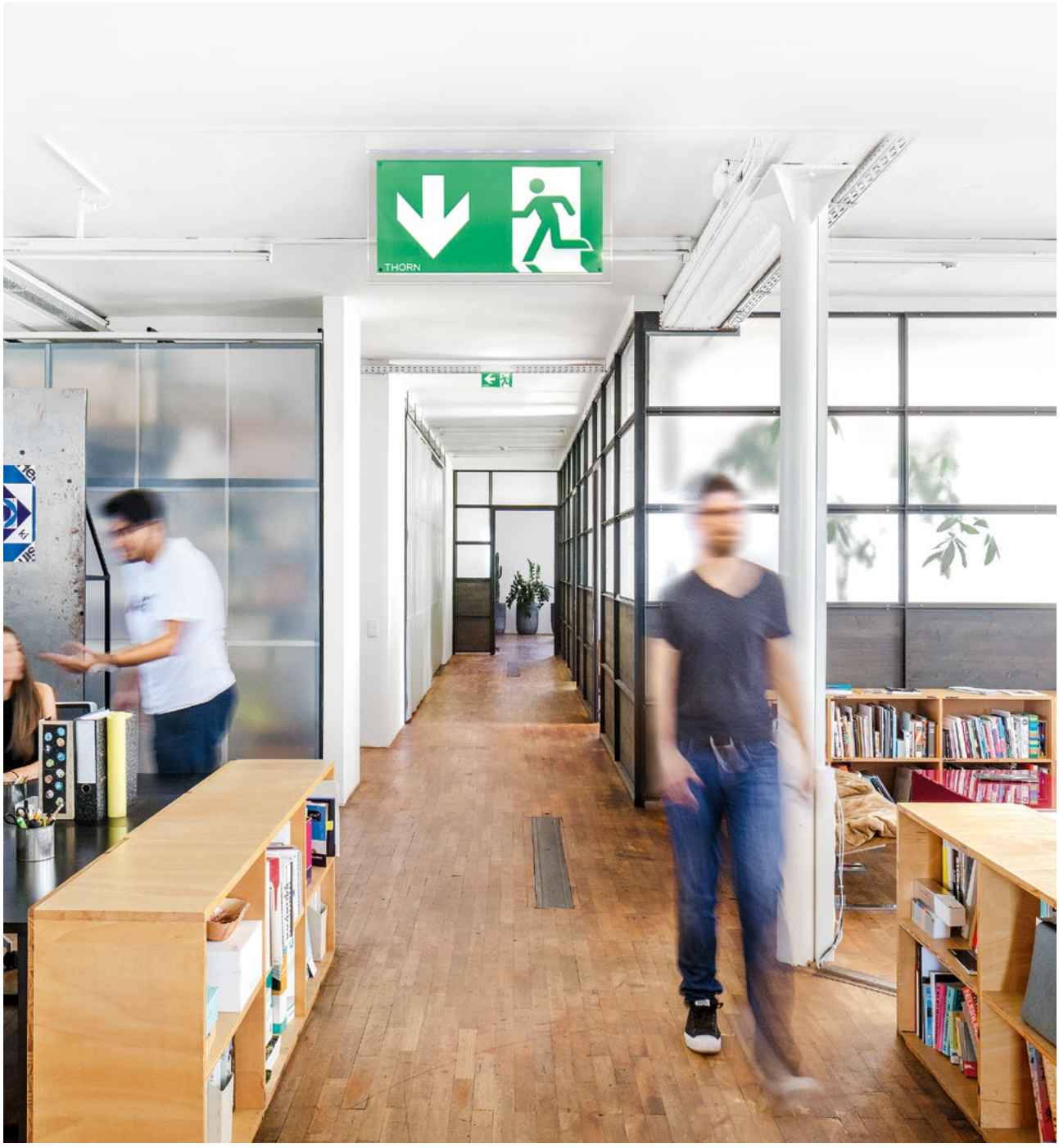
*surface mounted versions

## BENEFITS

**ULTRA-SLIM**
Voyager Style shows that emergency luminaires don't have to be bulky or obtrusive. At just 37 mm thick, this fitting can blend into any interior, and can be mounted in a variety of configurations. This luminaire is clear and bold when needed, while also being discreet.

**POWER OPTIONS**
Whether your emergency lighting system relies on self-contained luminaires or a central battery system, Voyager Style meets your needs. For self-contained systems, the three-hour versions of control test, auto test and manual are available.

**SLEEK AND SIMPLE**
The wide range of mounting options means Voyager Style can fit in wherever you need emergency light. The sleek mounting option makes for a particularly unobtrusive appearance especially when combined with the cord suspended pictogram.




## POWER SUPPLY

- 3h — E3
- 3h + AUTOTEST — E3T
- 3h + AUTOTEST + DALI — E3D
- + POWERLINE SET 009 — ECS
- ECC
- + DALI — ECD
- + POWERLINE — ECP

## MOUNTING

- MRC
- MSC
- MSC-Cord25
- MSC-R05
- MS90°
- MSW

## ARROW DIRECTIONS ONE-SIDED

SP1 - E002-UP

SP1 - E001-L SP1 - E002-R

SP1 - E002-D

# VOYAGER SIGMA

The electrician's choice.

# VOYAGER SIGMA

THORNLIGHTING.COM/VSIG

Safety Sign Luminaire

**Thorn offers the Voyager Sigma with electrical installers in mind, which is designed for simple and hassle-free installation. We provide a large terminal compartment, ready-to-insert pictograms and the placement of the electronics on a fold-out panel just to name a few benefits. Voyager Sigma, therefore, reduces installation and maintenance effort and associated costs.**

## BENEFITS

**PLENTY OF SPACE**
Thanks to its large terminal compartment, Voyager Sigma is loved by electricians. The terminals are easy to reach and make for quick and hassle-free connection. Even over-length cables can be stowed comfortably inside the luminaire.

**EASY PICTOGRAM MOUNTING**
Protected inside the luminaire, the pictogram inlets according to ISO 7010 are easy to install and change if required. The cover can be opened without tools and the pictograms can therefore be fitted very quickly and precisely.

**EASY ACCESS ELECTRONICS**
The electronics and the battery are mounted on a fold-out panel, making commissioning and maintenance easier, as the different components can simply be folded in and out. To fold-out the panel only one screw needs to be loosened.

## MOUNTING

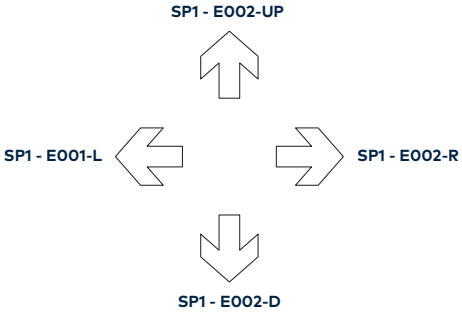
MSW

## POWER SUPPLY

3h E3

3h + AUTOTEST + DALI E3D

## ARROW DIRECTIONS ONE-SIDED



BLA

Sleek & Simple.

# VOYAGER

# DE2

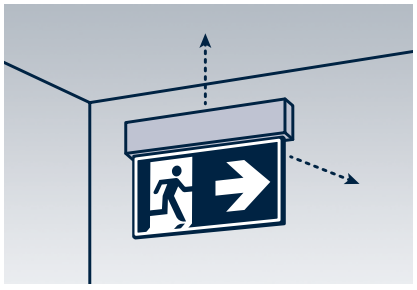
# VOYAGER BLADE 2

THORNLIGHTING.COM/VOB2

Safety Sign Luminaire

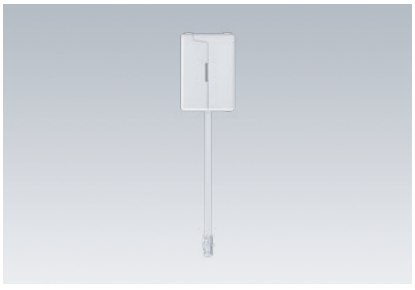
**Voyager Blade 2's versatile base housing is robust and easy to mount on walls and ceilings. The base housing is identical for both recognition ranges reducing the complexity to identify the right accessory for different mounting options such as recessed installation or suspension. Extending the flexibility even further all pictograms (Up, Left, Right, Down) are included in the scope of delivery.**

## BENEFITS

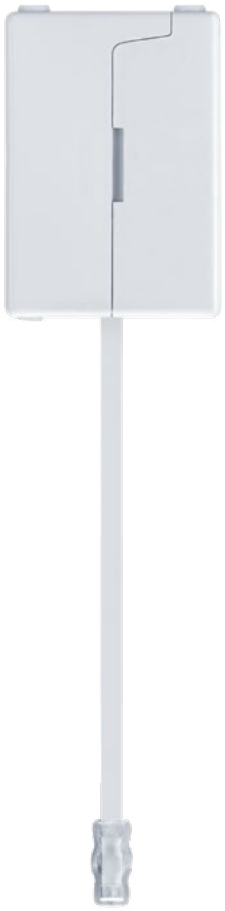


**FLEXIBLE MOUNTING**
One luminaire, several mounting options. Thanks to its smart housing concept, the Voyager Blade 2 can be flexibly surface mounted to a ceiling or wall without an adapter.

**CHOSE ON SITE**
Different autonomy durations because of local requirements needed? Voyager Blade 2 is the perfect choice offering a selectable autonomy duration of 1/2/3/8h (for manual and autotest) by changing the DIP switch setting. The working mode, maintained or non-maintained, is selectable via DIP switch as well.



**SLIM FORMAT WITH GREAT LIGHT DISTRIBUTION**
The very thin acrylic frame is almost invisible from the side, but offers a homogeneous appearance from the front due to a special print with a gradient that diffuses the light optimally.



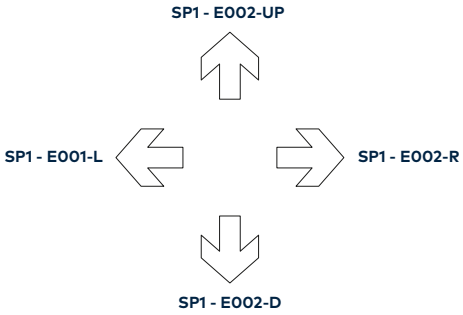
## POWER SUPPLY

- E1 — 1h
- E2 — 2h
- E3 — 3h
- E8 — 8h
- E1T — 1h + AUTOTEST
- E2T — 2h + AUTOTEST
- E3T — 3h + AUTOTEST
- E8T — 8h + AUTOTEST
- E3D — 3h + AUTOTEST + DALI

## MOUNTING

- MRC
- MSC
- MSC - CORD25
- MSW
- MS90°

## ARROW DIRECTIONS ONE-SIDED



SQU

Strong, smooth and
highly protected.

# VOYAGER

# ARE

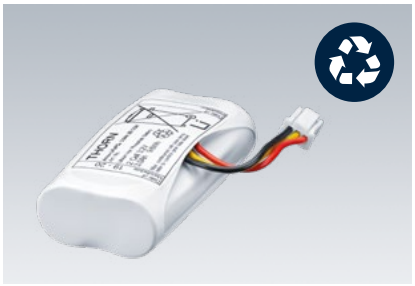
# VOYAGER SQUARE

THORNLIGHTING.COM/VYSQ

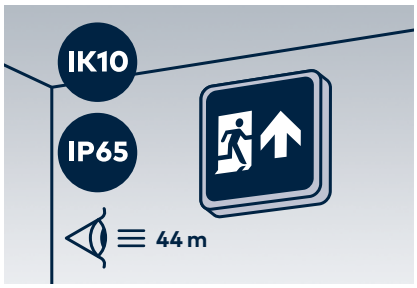
Safety Sign Luminaire

**Voyager Square is a robust wall mounted exit sign that can be used for many applications thanks to its IP65 protection and IK10 rating. The square shaped exit sign can be seen from up to 44 m distance which makes it suitable for many applications like production halls, logistics, car parks or DIY stores. Mounting, maintenance, and cleaning can be done at minimum effort. Voyager Square comes in two types. Self-contained luminaires with Autotest/DALI-test function and central battery versions. The self-contained versions are operated by lithium iron phosphate batteries. Thanks to the integrated PROset functionality, the luminaires can be addressed, configured and maintained easily over NFC via the PROset Pen or PROset App. With a luminance level of 500 cd/m² in the white area, Voyager Square fulfills also the highest standards regarding illumination (acc. to DIN 4844).**

## BENEFITS

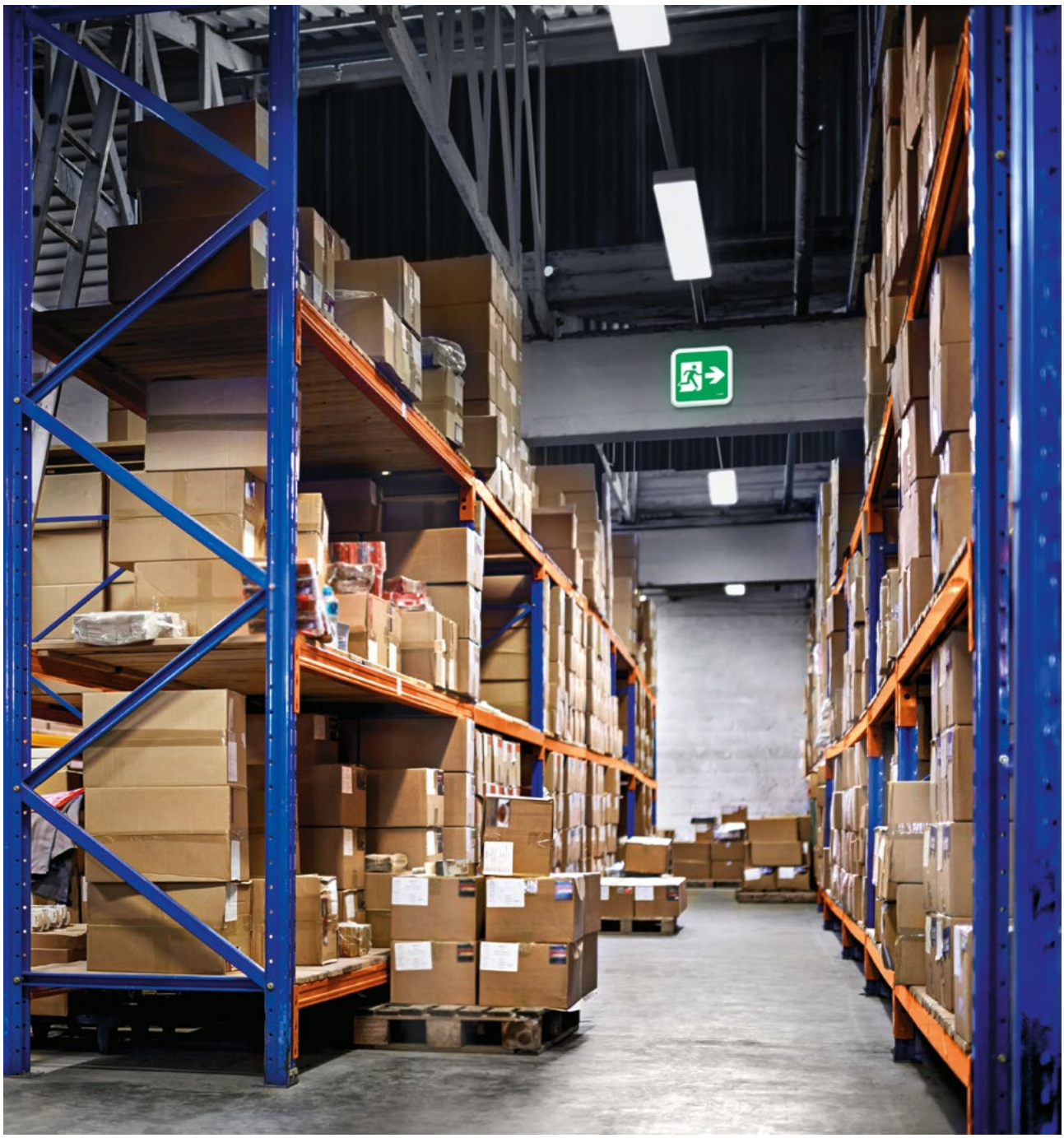


**SUSTAINABLE LUMINAIRE**
The newest lithium iron phosphate batteries ensure a long-lasting, cadmium free operation of the luminaire. If needed, components like ballast and battery can be easily exchanged.




**ROBUST AND FLEXIBLE**
Voyager Square is very robust and can be therefore used for many applications. It is moisture and dust resistant (IP65) and has an extremely high impact strength (IK10 rating). The diffusor and luminaire body are made from polycarbonate. The material uses an UV stabilizer, it is heat resistant, and flame retardant.

**CONVENIENT COMMISSIONING AND MAINTENANCE**
Thanks to an integrated NFC interface, the luminaires can be addressed and configured seamlessly. Just select the right address and switching mode over the PROset Pen or PROset App, hold it to the ballast, and the luminaire is configured. Over the PROset App, additional features are available, like setting a dim level or reading out the blackbox data.



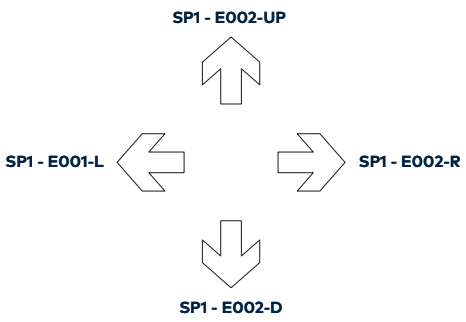
## POWER SUPPLY

- 1h + AUTOTEST + DALI — E1D
- 3h + AUTOTEST + DALI — E3D
- + DALI — ECD
- + POWERLINE — ECP
- ECC

## MOUNTING

- MSW

## ARROW DIRECTIONS ONE-SIDED



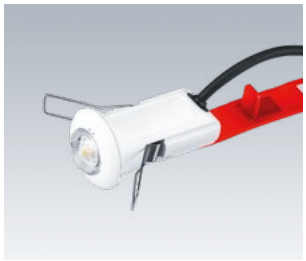
# VOYAGER PORTFOLIO OVERVIEW

## SAFETY LUMINAIRES

Architectural

### Voyager Star

Performance, flexibility and intelligence.



### Voyager Fit

Super compact, long-lasting, easy to use.

Industrial IP65

### Voyager Twin Spot

Flexible, durable, strong.

## SAFETY SIGN LUMINAIRES

### Voyager Style
Stylish yet strong.

### Voyager Sigma
The electrician's choice.

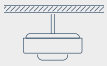
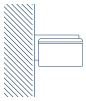
### Voyager Blade 2
Sleek & Simple.

### Voyager One
The only ONE.

### Voyager Square
Strong, smooth and highly protected.

### Voyager Solid
The bulkhead that makes emergency lighting easy.

# MOUNTING OPTIONS

| | | SAFETY LUMINAIRES | | | | |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | **Voyager STAR** | **Voyager FIT** | **Voyager Twin Spot** | **Voyager One** | **Voyager Solid** |
| **MRC**<br>Mounting recessed ceiling | | ● | ● | | ● | ● |
| **MSC**<br>Mounting surface ceiling | | ● | | | ● | ● |
| **MSC-C15**<br>Mounting ceiling<br>chain suspension 1.5 m | | | | | | |
| **MSC-Cord25**<br>Mounting surface ceiling<br>cordsuspension 2.5 m | | | | | ● | |
| **MSC-R05**<br>Mounting surface ceiling<br>rod suspension 0.5 m |  | | | | ● | |
| **MS90°**<br>Mounting surface wall 90° |  | | | | ● | |
| **MRW**<br>Mounting recessed wall | | | | | | ● |
| **MSW**<br>Mounting surface wall | | | | ● | ● | ● |

| SAFETY SIGN LUMINAIRES | | | | | |
|---|---|---|---|---|---|
| | | | | | |
| **Voyager One** | **Voyager Solid** | **Voyager Style** | **Voyager Sigma** | **Voyager Blade 2** | **Voyager Square** |
| ● | ● | ● | | ● | |
| ● | ● | ● | | ● | |
| | | | | | |
| ● | | ● *MS-WF15 1.5m | | ● | |
| ● | | ● | | | |
| ● | | ● | | ● | |
| | ● | | | | |
| ● | ● | ● | ● | ● | ● |

*The scope of delivery of the safety sign luminaires differ. This table does not list any accessories that may be required. Accessories may not be available in all countries. Further information can be found in the data sheets of the respective luminaire.

# SYSTEMS

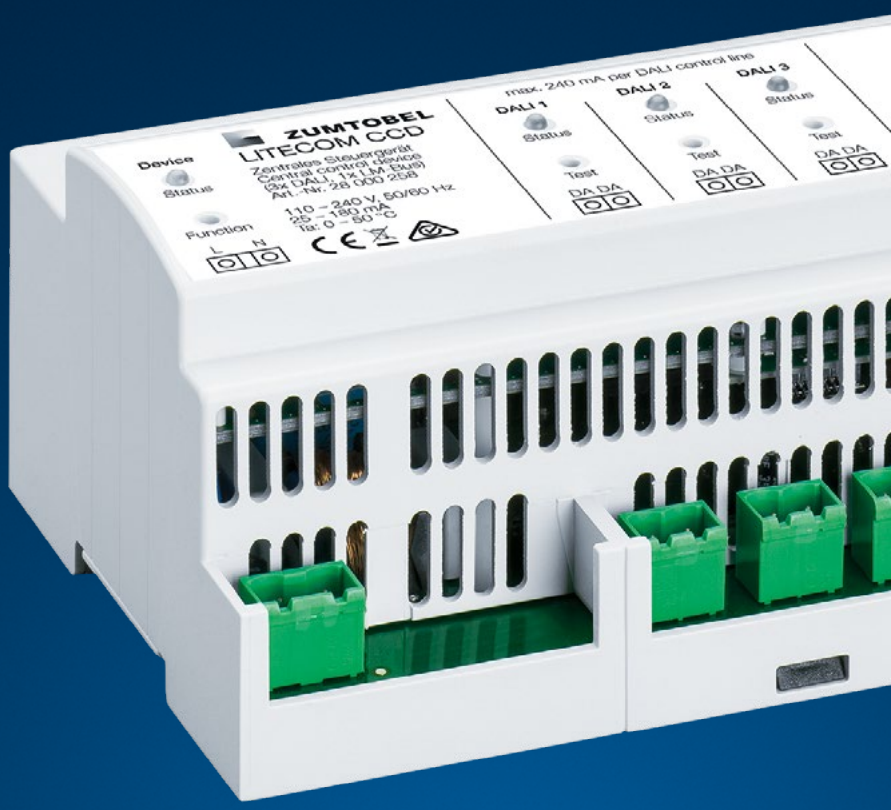
**62** LITECOM / emCON

**64** eBOX

**65** CPS

# emergency

ZUMTOBEL.COM/LITECOM




Self-contained emergency lighting systems have one feature in common: the battery that is integrated into every luminaire. This key component provides the fitting with power in the event of an emergency, helping to minimise panic, ensure the safe evacuation of the site and illuminate the escape route. This system is the perfect solution for smaller and medium-sized properties. Economic efficiency and high levels of safety make single battery systems with an emergency power supply of 1, 2, 3 or 8 hours a favourable option.

## LITECOM APP FOR EMERGENCY LIGHTING

The modular LITECOM control system is a future-proof solution that saves space in the distribution board and saves time spent on maintenance. Together with the app, this makes configuration and maintenance of the emergency lighting easier than ever.

LITECOM takes over the monitoring of the system and automatically logs the test results in the internal test book.

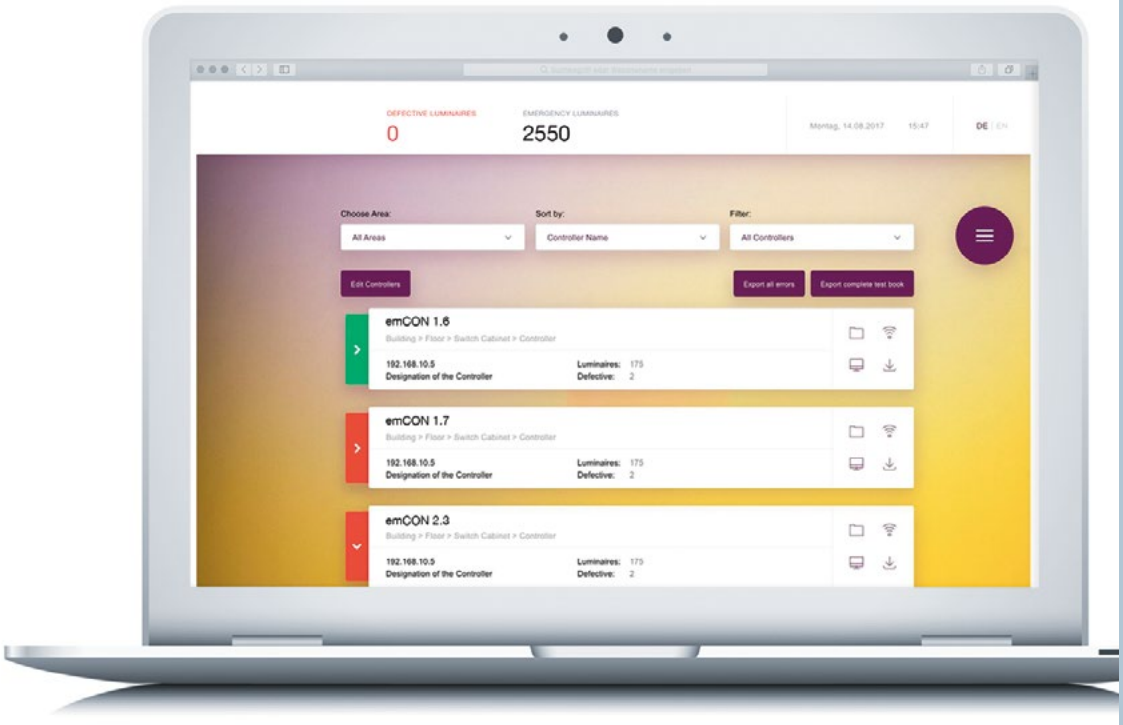
### POWER SUPPLY

- 1h + AUTOTEST + DALI — E1D
- 3h + AUTOTEST + DALI — E3D
- 3h + DALI — E3X

Based on powerful LITECOM architecture, the emCON controller is a tailor-made solution for emergency lighting.

The start screen shows an overview of the system – the perfect starting point for intuitive configuration and maintenance.

Up to 192 luminaires can be monitored with the Pro emCON controller, but for larger systems we recommend the emLINK software, which connects up to 200 controllers.



The eBox is a central battery system optimised for use with efficient LED technology. Energy consumption as well as the number of batteries required have been reduced to a minimum. Due to its modular design, the number of possible output circuits is increased, providing the system with maximum flexibility in order to adjust supply perfectly to each building's requirement.

**SUPPORTED SUPPLY VARIANTS**

ECC

ECD

ECP

# eBOX

ZUMTOBEL.COM/CENTRAL

# CPS

This central battery installation, which is a modular system, adjusts to any specific project and exactly meets the customer's requirements. The system communicates via Set 009, which means that each Set 009 emergency luminaire can be individually monitored and controlled. Other assets of CPS: minimum maintenance effort, failsafe data communication and no need for additional communication modules in the luminaires.

## SUPPORTED SUPPLY VARIANTS

ECD

ECS

ECC

# ABBREVIATIONS EMERGENCY LIGHTING

| VOYAGER STAR P | MRCR | ESC | E1D | SR |
|---|---|---|---|---|
| Product range | Installation type | Light distribution | Power supply variant | Colour |

## MOUNTING

| M | R | C | R | -X |
|---|---|---|---|---|

| Installation type | Surface type | Remote box option |
|---|---|---|
| R<br>Recessed | C<br>Ceiling | R<br>Remote box |
| S<br>Surface-mounted | W<br>Wall | |
| SR<br>Semi-recessed | □<br>Flexible | |
| Sxx<br>Surface-mounted<br>xx° (wall) | | |

| OPTIONS | |
|---|---|
| BP | Ball-Proof |
| CCS | Concrete Casting Surrond |
| QC | Quadratic Cover |
| FCC | Frame Cable Ceiling |
| FCW | Frame Cable Wall |
| FSR | Frame Suspended to Recessed (mounting frame) |

| TYPE OF SUSPENSION XX LENGTH |
|---|
| WFxx<br>Wire feed cord suspension (power supply via cord) |
| CORDxx<br>Cord (with separate power cable) |
| Cxx<br>Chain |
| Rxx<br>Rod-pendant luminaires |

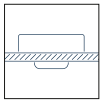
## POWER SUPPLY VARIANTS

| E | 1 | D | -X |
|---|---|---|---|

| Duration time / supply version | Communication |
|---|---|
| 1<br>1 hour self-contained | □<br>No communication/ manual test |
| 2<br>2 hours self-contained | T<br>Auto test |
| 3<br>3 hours self-contained | X<br>DALI (without auto test - in combination with self-contained) |
| 8<br>8 hours self-contained | D<br>DALI (incl. auto test - in combination with self-contained) |
| C<br>Central battery 230 V | P<br>Powerline (eBox) |
| | C<br>Circuit monitoring |
| | S<br>Set009 Powerline (CPS) |

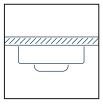
| SWITCHING MODES | SWITCHABLE VIA L' |
|---|---|
| M<br>Maintained | S<br>Switchable via L' |
| NM<br>Non-maintained | □<br>Not switchable via L' |
| □<br>Both possible | H<br>Battery heating |

## RECESSED



MRC

## SURFACE-MOUNTED



MSC

## PENDANT

MSC-C15

MSC-Cord25

MSC-R05

## WALL

MS90°

MRW

MSW

## SINGLE BATTERY

E1D
E1T
E1

E2D
E2T
E2

E3D
E3T
E3
E3X

E8T
E8

## CENTRAL BATTERY

ECD

ECP

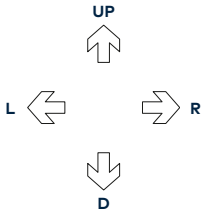
ECC

ECS

| VOYAGER STYLE | MS | E3-S | SM-S |
|---|---|---|---|
| Product generation | Installation type | Power supply variant | Safety sign version |

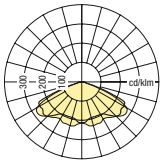
## SAFETY SIGNS

| S* | M | □ | - | S |
|---|---|---|---|---|
| | **Type of pictogram** | **One-sided/ double-sided** | **ISO 7010** | **Direction of the arrow** |
| | M<br>Escape signs mounted | 1<br>one-sided | <br>E001 | UP |
| | P<br>Escape signs printed | 2<br>double-sided | <br>E002 | D |
| | | □<br>one- or double-sided available (in combination with M) | | L |
| | | | | R |
| | *S (Safety sign): E001/E002 according to ISO7010 | | | S<br>Pictogram set included at SM (with UP, D, L, R, white) |




UP: up
D: down
L: left
R: right

## LIGHT DISTRIBUTION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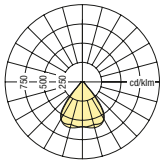
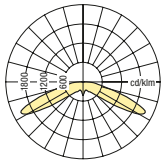
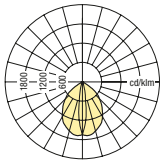
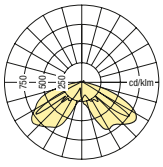
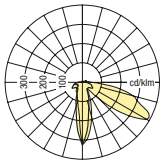
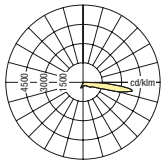

ANT HC

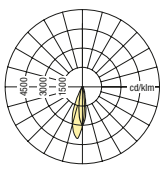

ESC


ESC HC


ESC90


ESCW


ESCB


Spot

| | |
|---|---|
| **ANT (HP)** | antipanic (high performance) |
| **ANT HC** | antipanic high ceilings |
| **ESC (HP)** | escape (high performance) |
| **ESC HC** | escape high ceilings |
| **ESC90 (HP)** | escape 90° (high performance) |
| **ESCW** | escape wall |
| **ESCB** | escape beam |
| **Spot (HP)** | spot (high performance) |

THORN

LIGHTING

# GET IN TOUCH

www.thornlighting.com/contacts

WE MAKE LIGHT WORK

10/2021