THORN
LIGHTING

EMERGENCY LIGHTING
2018 / 2019

member of zumtobel group

90

## YEARS

EST. 1928

THORN

LIGHTING

Your global partner for reliable lighting solutions.

Thorn, part of the Zumtobel Group, is a well-established supplier of interior and exterior lighting. Whether it is lighting sports venues, roads, offices, schools, retail outlets, logistics centres or industrial complexes - lighting is Thorn's passion and has been for 90 years. We create user-friendly lighting solutions that give optimum lighting quality with the best possible price-performance ratio. Simplicity of installation and operation are our priorities. We believe in long-standing partnerships and are constantly working to make sure that our customers are delighted with their Thorn experience. As a global brand we have a presence in more than 100 countries, providing lighting, security, comfort and convenience.

www.thornlighting.com

SAFETY, SIMPLICITY AND PERFORMANCE
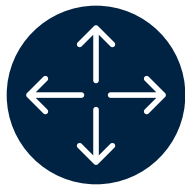
UNIVERSAL MOUNTING
A variety of mounting options for ceilings and walls, so luminaires fit into any architectural setting

FLEXBILITY 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

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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

Standards

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.

Design Standards

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:

1h + AUTOTEST + DALI	3h + AUTOTEST + DALI	3h + DALI
E1D	**E3D**	**E3X**

Abbreviations for central supplied luminaires:

+ POWERLINE SET 009	
ECS	**ECC**

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:

| 1h + AUTOTEST	3h + AUTOTEST	1h + AUTOTEST	3h + AUTOTEST
E1T	**E3T**	**E1D** (w/o DALI connection)	**E3D** (w/o DALI connection)

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:

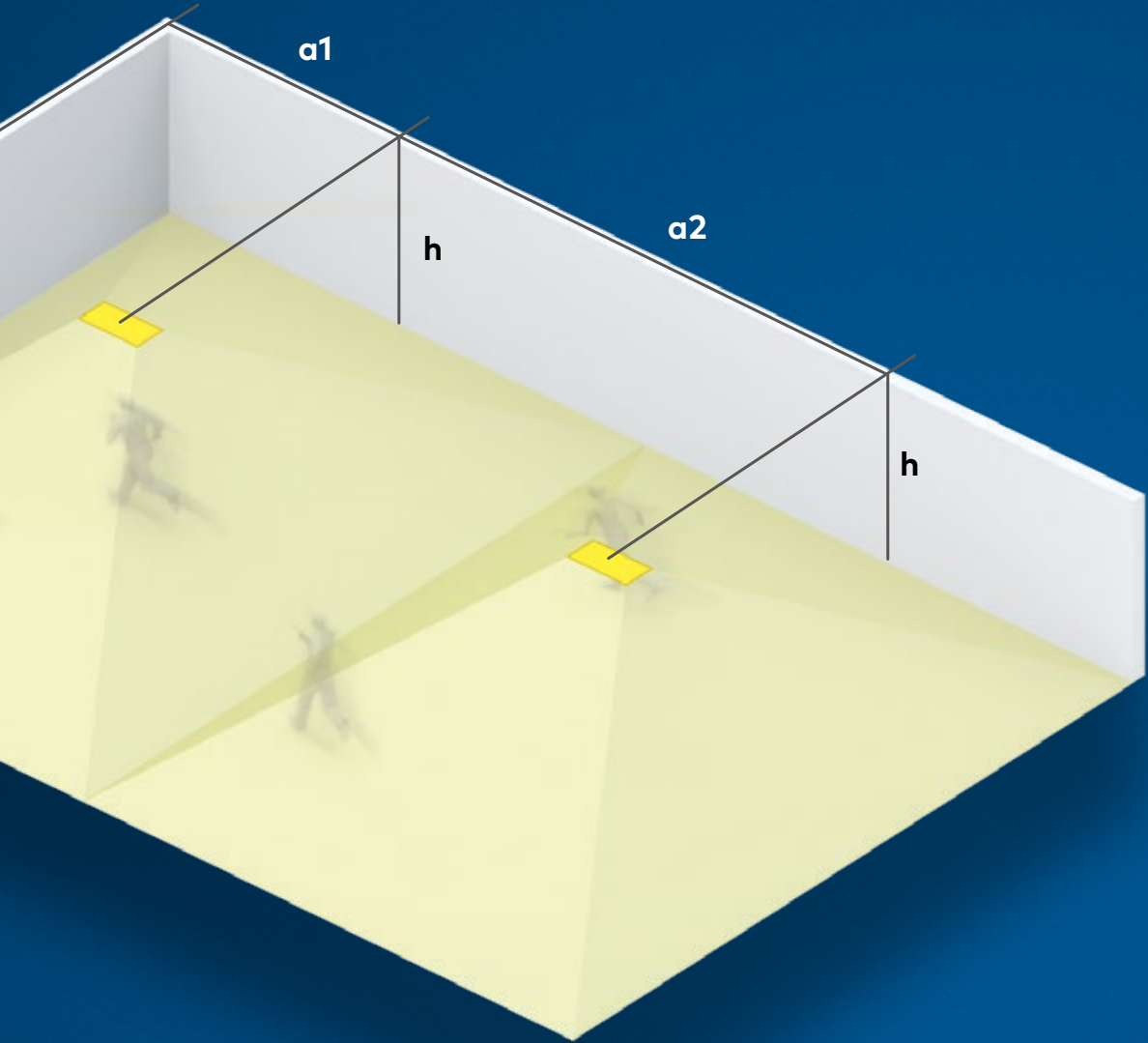| 1h	3h
E1	**E3**

SPACING FOR EMERGENCY LUMINAIRES

THORN EMERGENCY LIGHTING
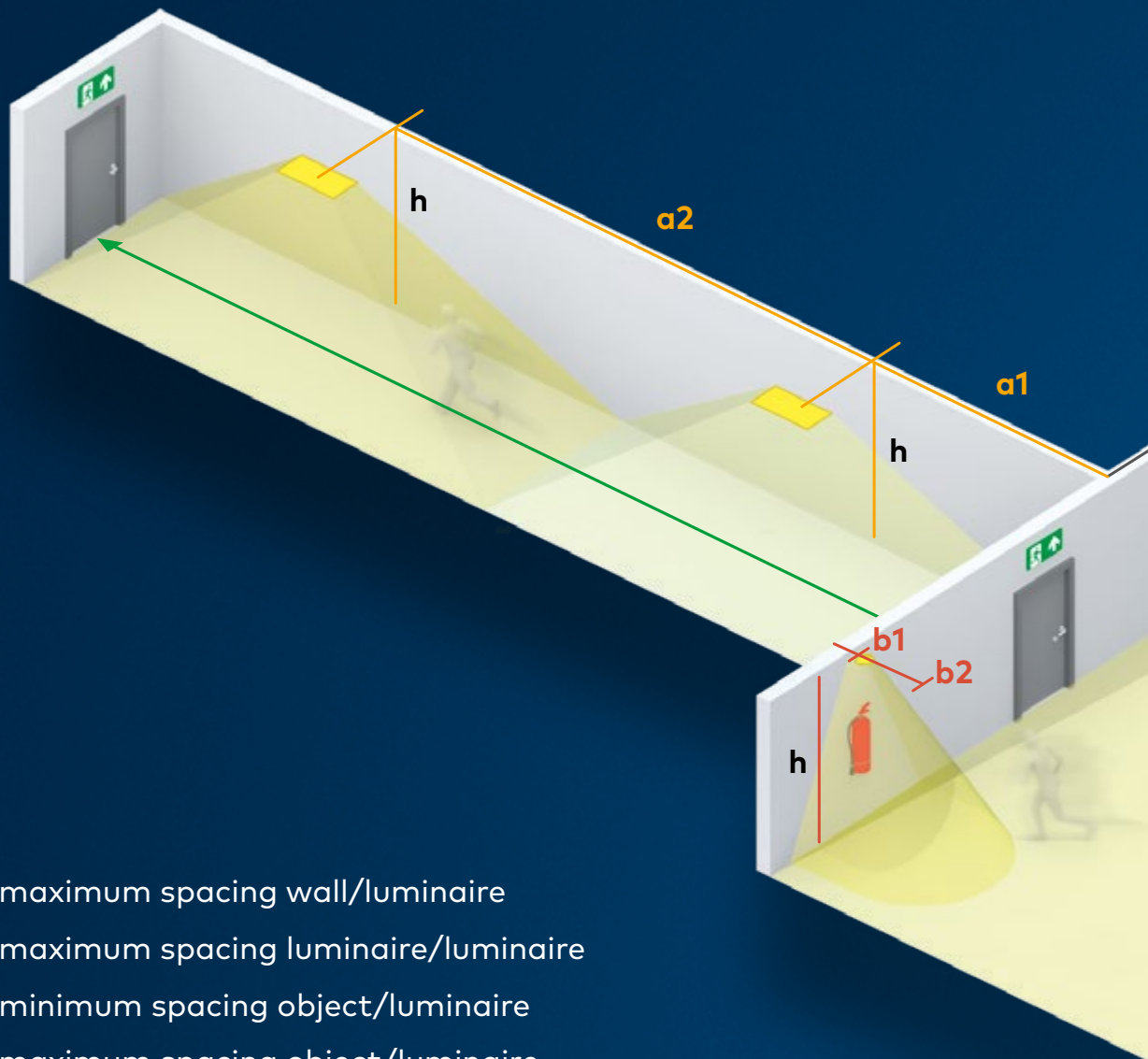
a1 = maximum spacing wall/luminaire

a2 = maximum spacing luminaire/luminaire

b1 = minimum spacing object/luminaire
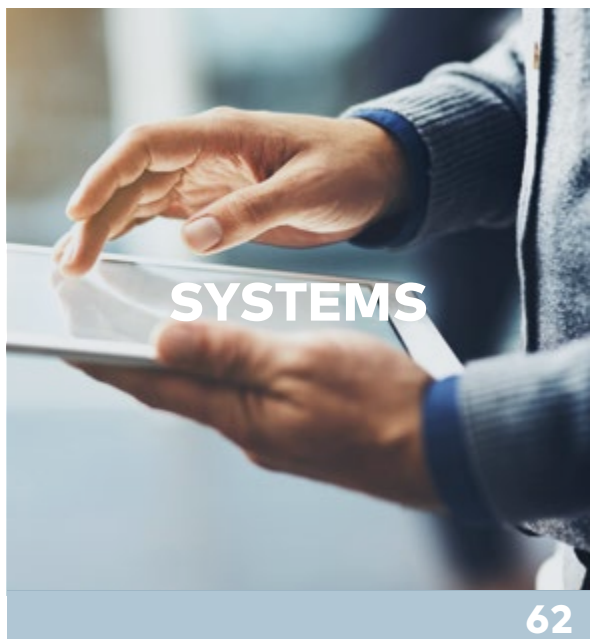
b2 = maximum spacing object/luminaire

h = ceiling height

These illustrations show how to
interpret the spacing tables.

a1

a2

h

h

CONTENTS

THORN EMERGENCY LIGHTING

SAFETY
LUMINAIRES

ADAPTABLE
SAFETY
LUMINAIRES

SAFETY SIGN
LUMINAIRES

SYSTEMS

SAFETY
LUMINAIRES

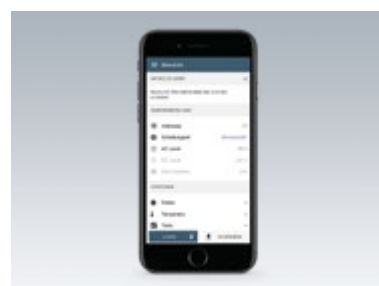# STAR

VOYAGER

Performance, flexibility and intelligence.

VOYAGER STAR
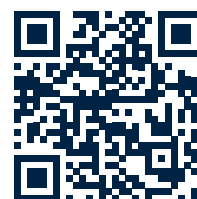
Safety Luminaire

Voyager Star stands for cutting-edge performance – a light technology that adapts to every building situation, flexible mounting options including recessed, surface-mounted and continuous row-systems 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, and can be integrated in Thorn's PRIMATA system.

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

FLEXIBLE & INTELLIGENT

POWER SUPPLY

|	
3h	E3
3h + AUTOTEST + DALI	E3D
1h + AUTOTEST + DALI	E1D
+ POWERLINE SET 009	ECS
	ECC

MOUNTING

	MRC
	MSC
	Primata

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).

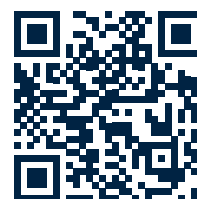Download on the App Store

GET IT ON Google Play
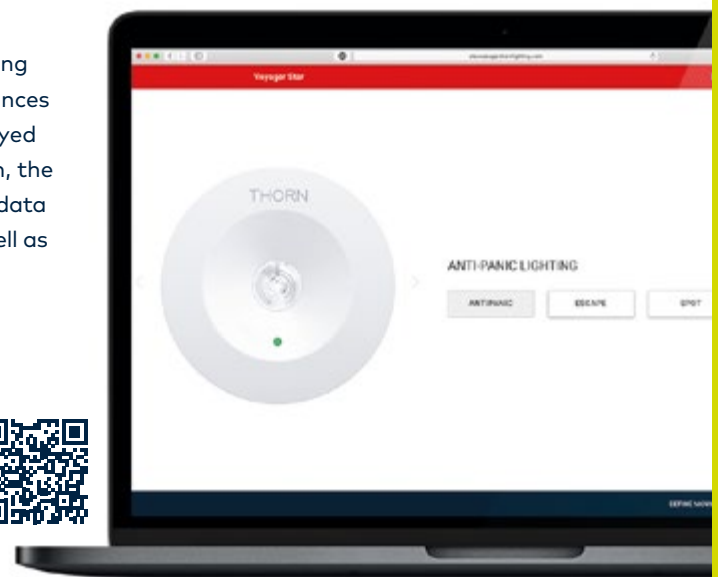
VOYAGER

Super compact, long-lasting, easy to use.

VOYAGER FIT

Safety Luminaire

Voyager Fit is a super-compact emergency luminaire for installation in ceilings. The luminaire is just 51 mm in diameter, requiring a ceiling hole of only 43 mm and a void height of just 80 mm. Voyager Fit comes with three interchangeable lenses (anti-panic, escape and spot), which can be rapidly fitted. The product features a lithium iron phosphate battery, which plugs into its own battery pack using Micro USB and 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.

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.

SUPER COMPACT

POWER SUPPLY

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

MOUNTING

MRC

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	4.45	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	a1
2.50	2.20
3.00	2.40
3.50	2.40
4.00	2.50
4.50	2.50
5.00	2.50

ESC
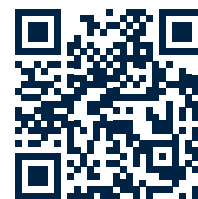
Uniquely understated.

VOYAGER

APE

VOYAGER ESCAPE

Safety Luminaire

Voyager Escape is a minimalist entry safety luminaire that is easy to install. With reverse polarity protected and not swappable connectors, quick installation and avoidance of wiring errors is guaranteed. With a diameter of only 37 mm, it is one of the most discreet luminaires in our portfolio. It is also simple to specify by reducing it to a single article number with a single lens.

BENEFITS
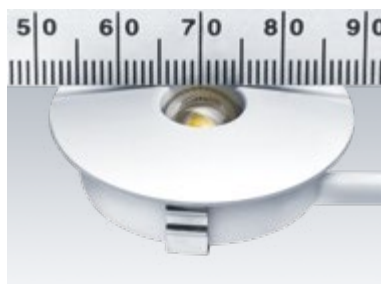
DISCREET

With a visible surface of only 37 mm in diameter, Voyager Escape is one of the smallest emergency lighting products available. Its tiny dimensions make it unobtrusive when installed in ceilings, so it blends into the architecture of the setting.

FAST

Because time means money, the Voyager Escape has plug-and-play connectors that can be plugged in quickly and error-free. The luminaire can be installed in the ceiling without additional effort, as no lateral mounting springs have to be folded away.

EASY

Reverse polarity protection and also interchange protection between LED head and battery means wiring errors and troubleshooting after commissioning are a thing of the past. Installation is now quick, simple and trouble-free.

UNIQUELY
UNDERSTATED

POWER SUPPLY

3h   E3

MOUNTING

MRC

Voyager Escape

	antipanic (0.5 lx)	
h	a1	a2
2.50	2.20	5.80
3.00	2.45	6.40
3.50	2.70	7.00
4.00	2.90	7.65
4.50	3.05	8.20
5.00	3.15	8.80

Voyager Escape

	escape (1 lx)	
h	a1	a2
2.50	2.70	6.20
3.00	2.95	6.90
3.50	3.10	7.60
4.00	3.20	8.10
4.50	3.05	8.55
5.00	2.55	8.85

VOYAGER TWIN

Flexible, durable, strong.
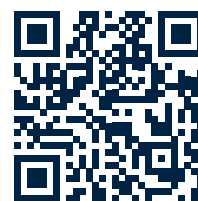
SPOT

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.
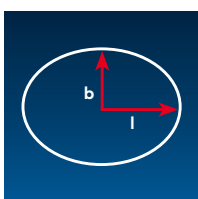
ULTRA LIGHT

POWER SUPPLY

3h — E3

3h + DALI — E3X

MOUNTING

MSW

Voyager Twin Spot Ant, Min 0.5 lx

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

VOYAGER

Get the job done with
ONE luminaire.

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.
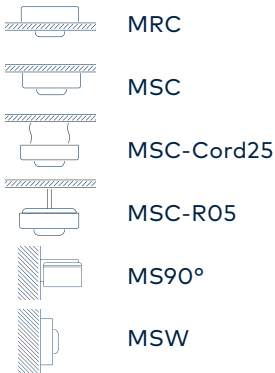
REDUCING COMPLEXITY

Safety Luminaire

Safety Sign Luminaire

MOUNTING

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

POWER SUPPLY

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

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

SOLO

VOYAGER

The bulkhead that makes emergency lighting easy.

VOYAGER SOLID
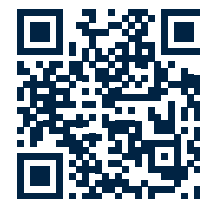
Available in small or large versions with a consistent design, Voyager Solid provides an even, homogenous light distribution. Easy to install and configure, Voyager Solid can be used as a recessed and surface mounted luminaire on walls and ceilings. The fitting is rated IP65 for use in a variety of locations. Voyager Solid's emergency pictograms are printed on inlets that are inserted and protected inside the luminaire.

BENEFITS

CHANGEABLE INSERTS
Instead of being stuck on to the exterior of the fitting, Voyager Solid's pictograms are on inserts 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.

EFFECTIVE & EASY

 Safety Luminaire

 Safety Sign Luminaire

*Only for Solid.
Does not fulfill DIN4844.

MOUNTING

MRC

MSC

MRW

MSW

POWER SUPPLY

3h — E3

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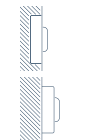
3h + AUTOTEST + DALI — E3D

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 with 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	*	*

COMPACT

VOYAGER

Low cost,
big performance.

VOYAGER COMPACT

With IP65 housing and possibility to change the switching mode, Voyager Compact is proof that entry-level products don't have to mean compromising on performance. The diffuser prevents the LEDs from glaring and rounds off the industrial look. Perfect for jobs with demanding requirements, Voyager Compact represents an attractive and cost-effective option.

BENEFITS

SHOWS THE WAY

Thanks to the optional pictogram sticker, Voyager Compact can easily be turned from an safety luminaire into an safety sign luminaire. Providing more flexibility directly on site and reducing article codes as additional benefit.
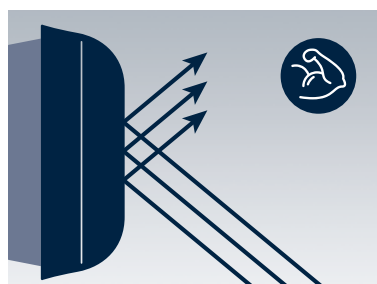
SMALL, BUT TOUGH

Voyager Compact benefits from standard IP65 protection for resistance to dust and water. Where other luminaires would struggle, Voyager Compact just keeps going and provides safety even in challenging environmental conditions.

REDUCING COMPLEXITY

Maintained and non-maintained switching modes can be set up by simply plugging a jumper. To change the switching mode, the luminaire can be opened without tools. In maintained mode the diffuser reduces glare from the LED for maximum comfort.

MORE FOR LESS

Safety Luminaire

Safety Sign Luminaire

Voyager Compact

	antipanic (0.5 lx)	
h	a1	a2
2.50	2.30	7.55
3.00	2.25	8.10
3.50	2.00	8.45
4.00	1.80	8.80
4.50	1.65	8.95
5.00	0.20	9.00

Voyager Compact

	escape (1 lx)	
h	a1	a2
2.50	2.05	6.00
3.00	1.65	6.00
3.50	0.75	5.85
4.00	*	4.65
4.50	*	3.20
5.00	*	1.05

POWER SUPPLY

3h　E3

MOUNTING

MSC

MSW

FROM
SAFETY TO

VOYAGER

VOYAGER

VOYAGER

SAFETY SIGN LUMINAIRE

ONE

SOLID

COMPACT

SAFETY SIGN LUMINAIRES

STYLE

VOYAGER

Stylish yet strong.

VOYAGER STYLE

⊡ 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.

STYLE & STRENGTH

POWER SUPPLY
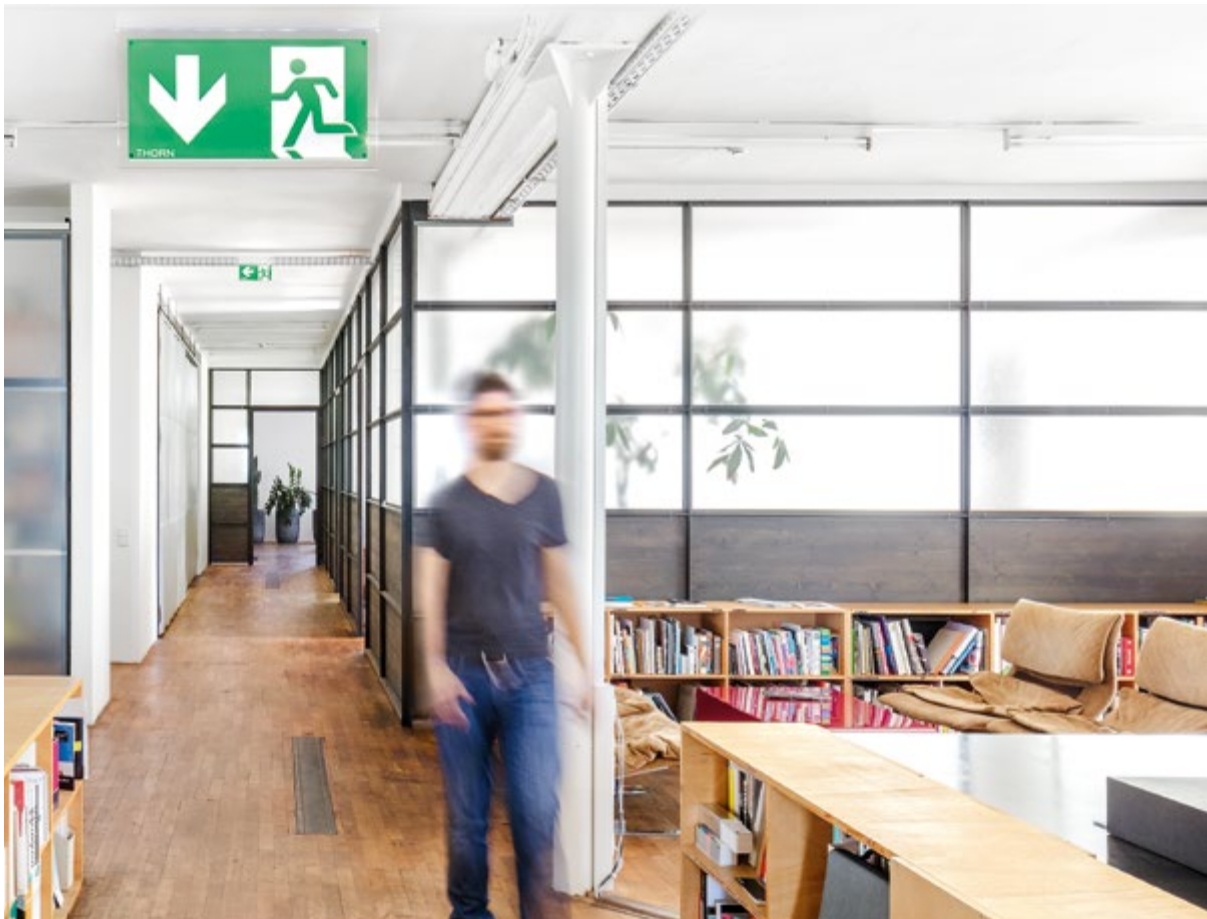
3h	E3	+POWERLINE SET 009	ECS
3h +AUTOTEST	E3T		ECC
3h +AUTOTEST +DALI	E3D		

MOUNTING

	MRC		MSC-R05
	MSC		MS90°
	MSC-Cord25		MSW

SIGMA

VOYAGER

The electrician's choice.

VOYAGER SIGMA

⊡ 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 inserts 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.

EFFECTIVE
& EASY

MOUNTING

MSW

POWER SUPPLY

3h   E3

3h + AUTOTEST + DALI   E3D

Sleek & Simple.

VOYAGER

VOYAGER BLADE

Safety Sign Luminaire

Voyager Blade's robust aluminium housing and tiltable bracket make it robust and easy to mount on walls and ceilings. The pictograms simply slides into the slim Plexiglas panel, making installation even easier. If additional mounting options such as recessed installation or suspension are required, the Voyager Blade is also the right choice offering a wide range of mounting variants.

BENEFITS

CEILING OR WALL MOUNTING

One luminaire, two mounting options. Thanks to its tilting bracket, the surface-mounted version of Voyager Blade can be flexibly mounted to a ceiling or wall without an adapter. Simply flip the bracket to the chosen position.

EASY MOUNTING OF PICTOGRAMS

The pictograms are fast and easy to install, just slide them in from the side and you are done. One and double-sided usage is possible with additional pictograms. Making Voyager Blade and its possible applications even more versatile.

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.

SLEEK & SIMPLE
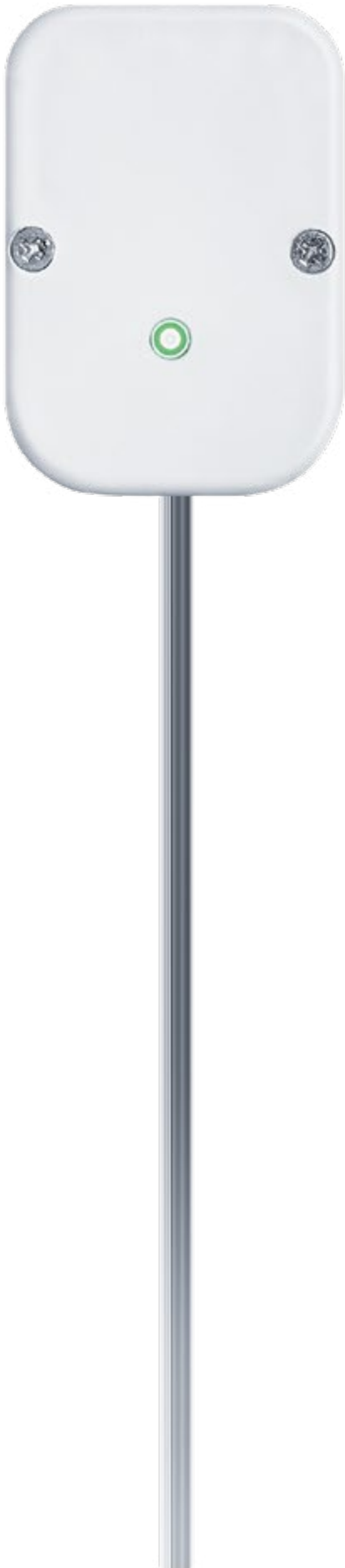
POWER SUPPLY

3h   E3

MOUNTING

MRC

MSC

MC-C15
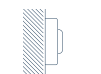
MSW

VOYAGER PORTFOLIO OVERVIEW

Architectural

SAFETY LUMINAIRES

Voyager Star
Cutting-edge light technology, flexible mounting and hassle-free connectivity.

Voyager Fit
A super-compact new LED emergency luminaire for ceilings.

Voyager Escape
A minimalistic luminaire that can be integrated discreetly into ceilings.

Industrial IP65

Voyager Twin Spot
Flexible, durable, strong.

Voyager Compact
Proof that entry-level products don't have to mean compromising on performance.

SAFETY SIGN LUMINAIRES

Voyager Style
Stylish yet strong.

Voyager Sigma
Designed with electrical
contractors in mind.

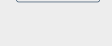### Voyager Blade
Fast. Simple. Affordable.

Voyager One
Combining the best of 2 worlds:
safety luminaire & safety sign
luminaire in one.

Voyager Solid
A performance, universal
LED emergency bulkhead.

MOUNTING OPTIONS

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

SAFETY SIGN LUMINAIRES					
Voyager One	Voyager Solid	Voyager Compact	Voyager Style	Voyager Sigma	Voyager Blade
●	●		●		●
●	●		●		●
					●
●			● *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.
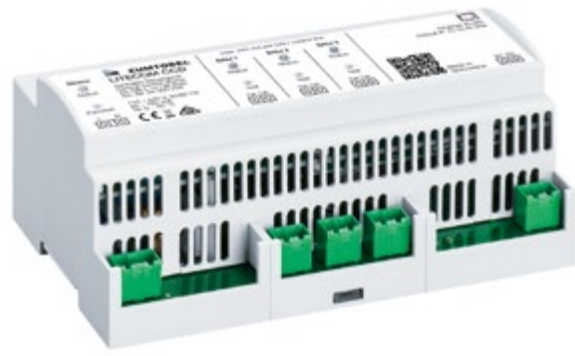
SYSTEMS

LITECOM focuses the light on the user.

The innovative app concept makes lighting control systems exceptionally flexible. LITECOM will assume additional tasks at any time and can be seamlessly extended by new luminaires, control units or functions. In addition the emergency luminaries are monitored, tested and notifications in case of errors can be sended to the user. Luminaires, sensors and control units of any type are required.

LITECOM CONTROLLER

A combination of all functions in a compact design, the LITECOM controller is a space-saving solution in the switch cabinet and a time-saving solution in terms of maintenance. Yet the system is highly future-proof thanks to its upgradable system architecture.

Installation of a LITECOM system is as quick and precise as its design. The device can be securely mounted on the DIN rail by a flick of the wrist, and plug-in screw terminals are available for highly convenient connection.

POWER SUPPLY

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

ZUMTOBEL.COM/LITECOM

ONLITE
CAL

The ONLITE central 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

ONLITE CENTRAL EBOX

ONLITE 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 ONLITE central CPS: minimum maintenance effort, failsafe data communication and no need for additional communication modules in the luminaires.

SUPPORTED SUPPLY VARIANTS

+ POWERLINE SET 009

ECS

ECC

CONFIGURATION GUIDE

VOYAGER STYLE	MS	ANT	ECS	WH
Product family	Mounting versions	Light distribution	Supply versions	Colour

MOUNTING

M	S	–	–	–
	Mounting type	Mounting surface	Option remote box	
	R Recessed	C Ceiling	R Remote box	
	S Surface	W Wall	– No remote box	
	SR Semi-recessed	– Flexible		

Other Mountings

PRIM Primata	KIT Emergency Kits

OPTIONS		Suspension type xx lenght
BP	Ball-proof	
CCS	Concrete casting surround	
QC	Quadratic cover	WFxx Wire feed
FCC	Frame cable ceiling	
FCW	Frame cable wall	Cxx Chain
FSR	Frame-suspended to recessed (mouting frame)	Rxx Rod

EMERGENCY

E	C	S	X
	Duration / supply version	Communication	
	1 1-hour self-contained	– No communication / manual	
	3 3-hours self-contained	T Self test	
	C Central battery 230 V	D DALI (incl. Autotest)	
		C Circuit monitoring	
		S Set 009	

SWITCHING MODES	SWITCHABLE WITH L'
M Maintained	S Switchable with L'
NM Non-maintained	– Not switchable with L'
– Both possible	

VOYAGER STYLE 115	MS-WF 115	SM-S
Product family	Mounting versions	Safety versions

SAFETY SIGN

S	P	1	R
	Legend types	Printed sides	Arrow direction
	G Safety sign glued	1 One-sided	UP Arrow up
	M Safety sign mountable	2 Two-sided	D Arrow down
	P Safety sign printed		L Arrow left
			R Arrow right
			S Set of directions
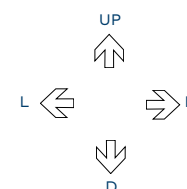
MOUNTING

MRCR

SURFACE / PENDANT

MSC   Primata

WALL

MSW

SELF-CONTAINED

1h + AUTOTEST + DALI   3h + AUTOTEST + DALI

E1D   E3D

CENTRAL BATTERY

+ DALI   + POWERLINE SET 009
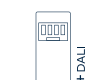
ECD   ECS   ECC

LIGHT DISTRIBUTION

ANT   ESC   Spot
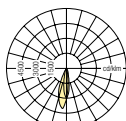
ANT	Anti-panic
ESC	Escape
Spot	Spot

THORN

LIGHTING

NICE TO MEET YOU.

THORNLIGHTING.COM/OFFICES

5 YEAR GUARANTEE

As a globally leading luminaire manufacturer, Thorn Lighting provides a five-year warranty for its complete product range within all European Countries.
THORNLIGHTING.COM/GUARANTEE