AUTOMAX

devices for the automation industry

NEW RELEASE 2014

ELYPS

everybody loves beauty

SIRENA

MORE THAN
BRIGHT IDEAS

AUTOMAX is Sirena's range of
multifunctional stacklights engineered
for the automation industry

automax@sirena.it

MADE IN ITALY
Engineered,
Developed and
Assembled in
Rosta, Italy

Ӡ SIRENA S.p.A.

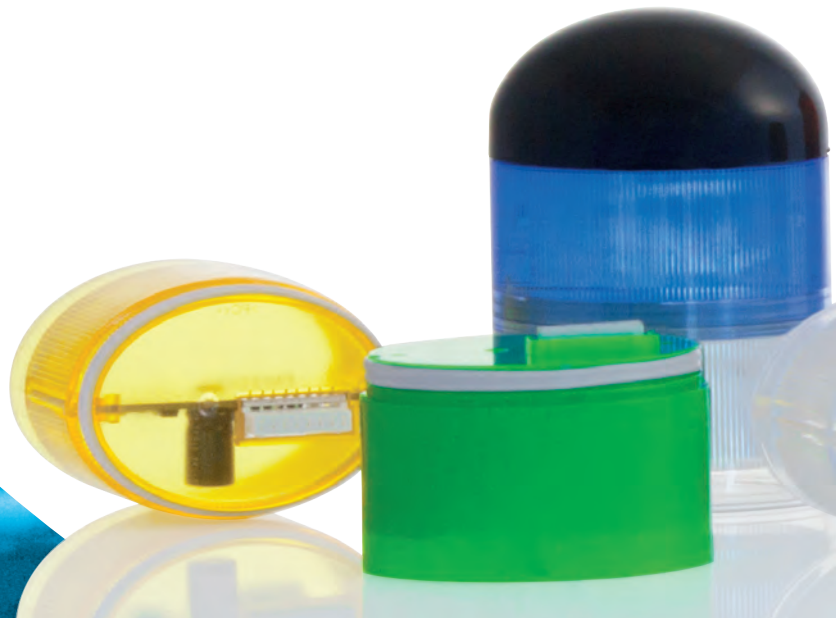8 010152 010859

ELYPS_ENG_V1.0.0

INTRODUCTION

Sirena has a very simple mission: to create innovative and high-quality visual and acoustic signaling devices.

At Sirena, we're used to indicating the path to follow, we're aware of our duties as well as our responsibilities. Our job matches our vocation: defining the standards of the signaling industry.

When we decided to engineer a new range of stacklights, we did not settle down with a simple redesign of the market standards but instead we've taken the challenge to revolutionize the concept at its very roots.

We thought about a stacklight with an innovative shape, aesthetically revolutionary, capable of satisfying the most common dimensional standards. We thought about patented optics capable of performing at 360 degrees. We thought about state-of-the-art electronics capable of satisfying your needs. We thought about three different configuration philosophies capable of increasing the added value of the stacklight. We thought about five unique mounting bases capable of solving the most challenging installation issues. But, more than everything else, we thought about You.

We've done all this because our job is to make sure your job becomes as easy and efficient as possible. Because we understand how important it is to put You in the condition to create added value. Because we know how much You trust us and because we're flattered you've be doing so for the past 40 years.

The ELYPS modular stacklight range is made of four groups of modules: mounting bases, wiring modules, light modules and acoustic modules.

MB Mounting Bases are engineered for a versatile stacklight installation, allowing the devices to be installed always in the ideal position.

WM Wiring Modules allow to choose voltages as well as the configuration philosophy, giving the possibility to create low or high tension devices, with steady or flashing light and with the possibility to control the flashing pattern (i.e. via PLC) directly from the base of the stacklight.

LM Light Modules have been engineered to satisfy all possible needs. Different levels of light intensity as well as different lenses technology (allCOLOR, allCLEAR, Proximity) and different flashing patterns, offer a unique and complete range.
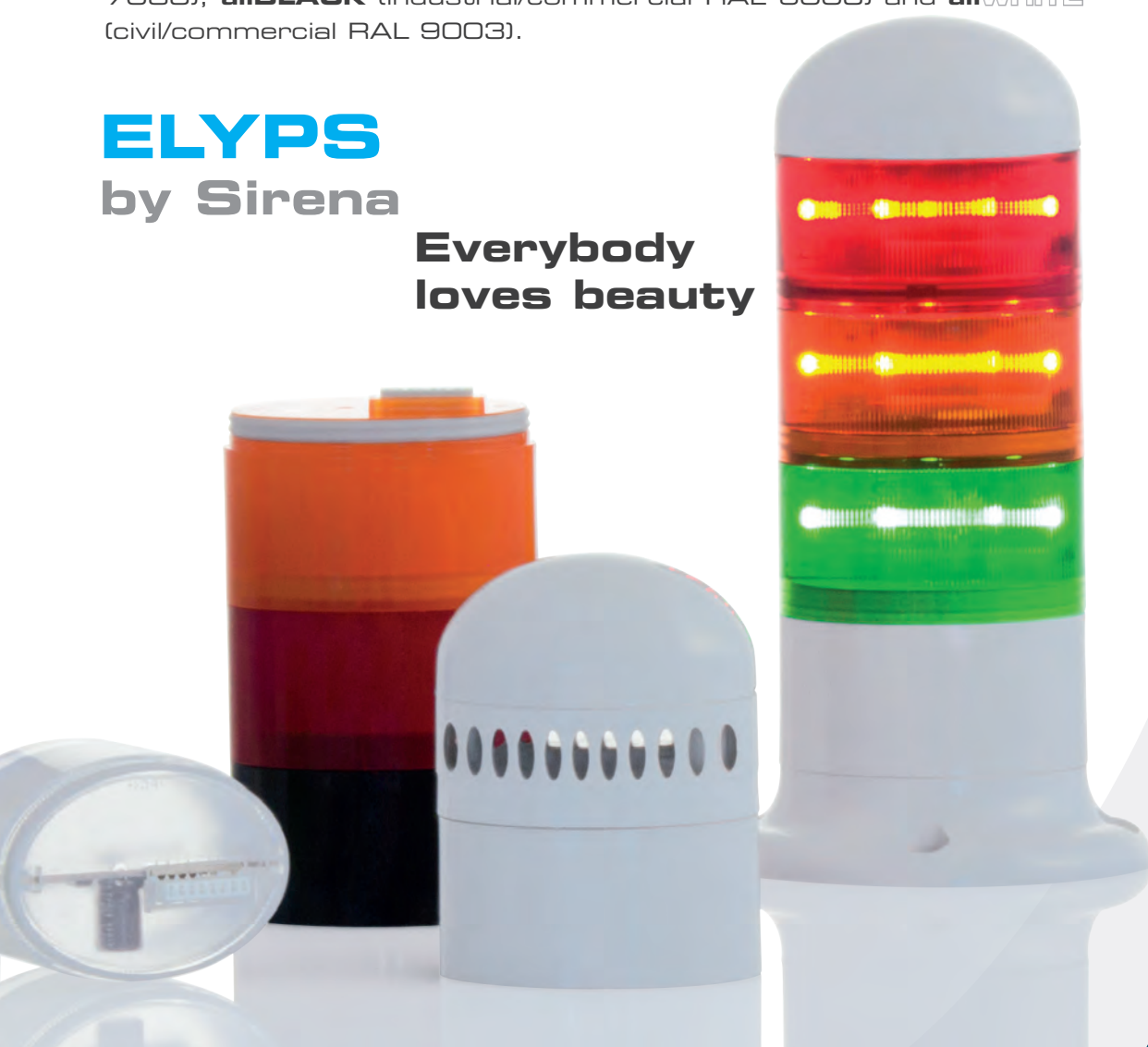
AM Acoustic Modules are based on two technologies: piezoelectric and magnetodynamic. Both versions allow the use of two separate channels giving the possibility of utilizing the stacklight with two different sounds, according to the type of message one needs to deliver.

The IP65 protection grade makes ELYPS ideal also for outdoor applications.

ELYPS is available in three color options: **allGRAY** (industrial RAL 7035), **allBLACK** (industrial/commercial RAL 9005) and **allWHITE** (civil/commercial RAL 9003).

ELYPS
by Sirena

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3 CONFIGURATION

E LYPS modular stacklight allows three different configuration philosophies according to the final application.

Depending on the need to have one or more flashing modules, it is possible to choose whether to generate the flashing pattern directly via a PLC (using a steady light stacklight) or whether to use the preset flashing patterns of each module, easing PLC programming and management operations. Furthermore, it is possible to change the status of each module from steady to flashing even without the use of a PLC, by using a flashing wiring module (WM MULTI) and controlling the status of each module via a single independent electrical contact on the wiring module itself (BLINK channel).

○ STEADY LIGHT STACKLIGHT

The steady light stacklight consists of one wiring module WM LT or HT and up to six steady light modules LM or LM S, according to the light intensity required.

Each light module can be controlled directly via electrical contacts or via PLC

□ FLASHING LIGHT STACKLIGHT

The flashing light stacklight consists of one wiring module WM LT or HT and up to six flashing light modules LM S MULTI or LM X MULTI (4 preset flashing patterns selectable via dip-switch), according to the light intensity required.

Each light module can be controlled directly via electrical contacts or via PLC. The flashing pattern will be the one selected on each module

△ STACKLIGHT WITH FLASHING CONTROLS IN THE BASE

The stacklight with flashing controls in the base consists of one wiring module with flashing options WM LT MULTI or HT MULTI (4 preset flashing patterns selectable via dip-switch) and by up to six steady light modules LM or LM S, according to the light intensity required.

For each light module it is possible to change the status from steady to flashing by controlling the electrical contacts and the BLINK channel (flashing) on the base directly or via PLC

For each configuration philosophy it is possible to add an acoustic module AM or AM S.

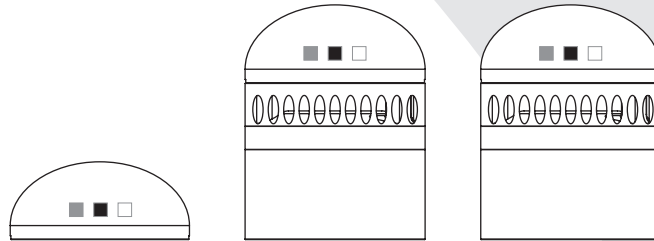The use of a mounting base MB is mandatory.

ELYPS

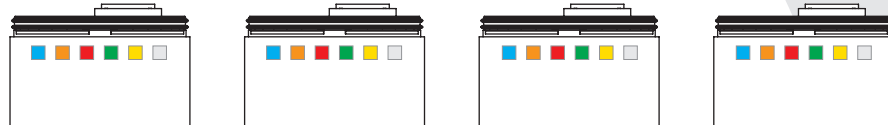everybody loves beauty

PHILOSOPHIES

AM
ACOUSTIC
MODULE

Top cap for closure when
the acoustic module
is not installed
(supplied with
each WM module)

AM
Piezoelectric
acoustic module
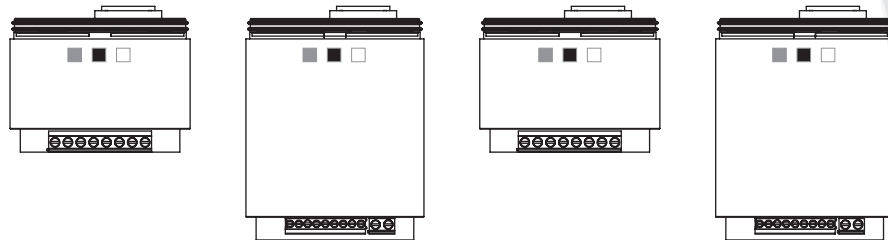
AM S
Magnetodynamic
acoustic module

LM
LIGHT
MODULE

LM
LED steady
light module

LM S
Bright LED steady
light module

LM S MULTI
Bright LED
multifunctional
light module
(4 light effects)

LM X MULTI
Superbright LED
multifunctional
light module
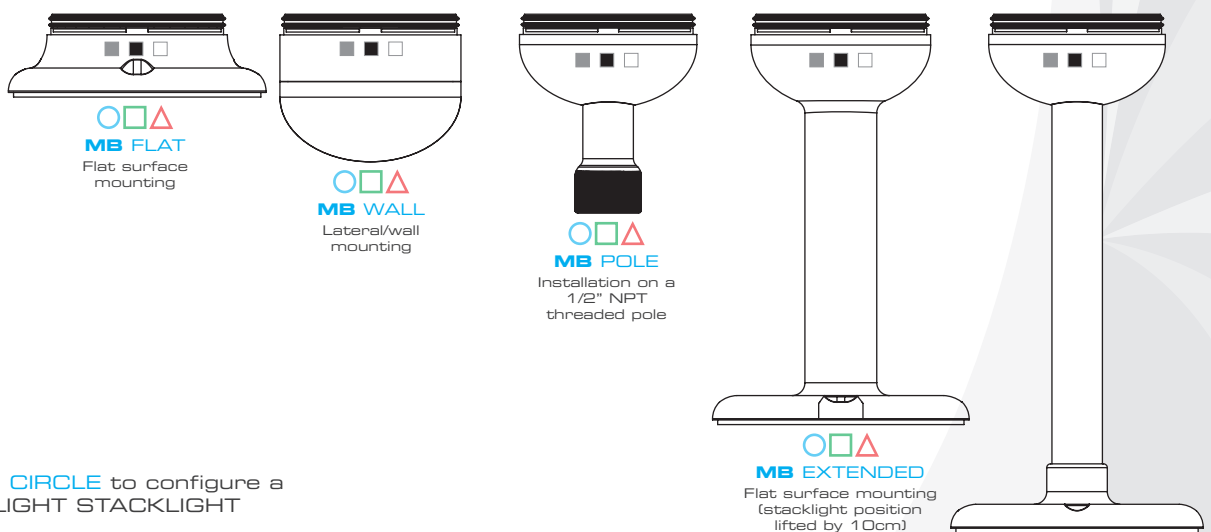(4 light effects)

WM
WIRING
MODULE

WM LT
Wiring module
12/24V ACDC

WM HT
Wiring module
120/240V AC

WM LT MULTI
Multifunctional
wiring module
12/24V ACDC
(4 light effects)

WM HT MULTI
Multifunctional
wiring module
120/240V AC
(4 light effects)

MB
MOUNTING
BASE

MB FLAT
Flat surface
mounting

MB WALL
Lateral/wall
mounting

MB POLE
Installation on a
1/2" NPT
threaded pole

MB EXTENDED
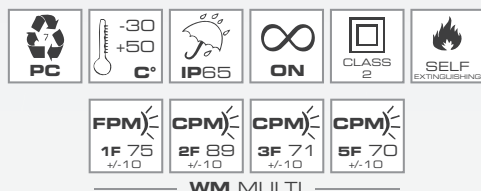Flat surface mounting
(stacklight position
lifted by 10cm)

MB TUBE
Flat surface mounting,
use in conjunction with a
Stainless Steel extension tube
(lengths available
10, 20, 30, 40cm)

○ Follow the CIRCLE to configure a
STEADY LIGHT STACKLIGHT

□ Follow the SQUARE to configure a
FLASHING LIGHT STACKLIGHT

△ Follow the TRIANGLE to configure a
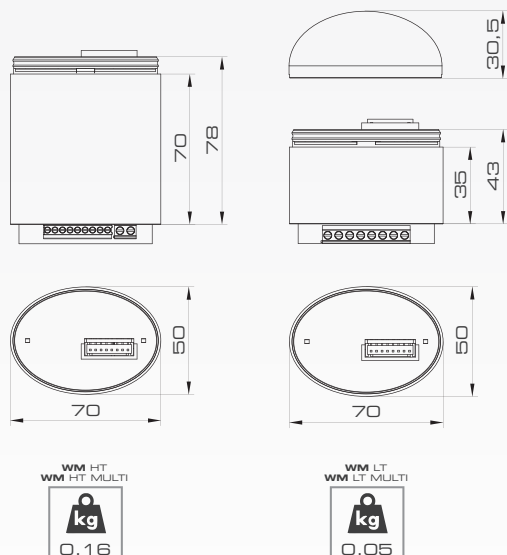STACKLIGHT WITH FLASHING CONTROLS IN THE BASE

5

AUTOMAX

ELYPS WM
WIRING MODULE

ELYPS WM
Wiring module for the ELYPS stacklight range. With 7 electrical contacts, it allows assembly of maximum 7 modules: 6 light modules + 1 acoustic module (1 channel) or 5 light modules + 1 acoustic module (2 channels).

ELYPS WM MULTI
With the same main characteristics of the WM module, WM MULTI allows the possibility of generating a flashing sequence in any of the installed modules via the activation of a dedicated BLINK channel.

Enriched by 4 light effects: single flash, double flash, triple flash and stroboscopic.

The BLINK channel can be triggered independently for each module, allowing the change from steady to flashing light also during the normal operations of the stacklight. The BLINK channel activation can be done directly as well as via PLC.

A top cap for closure of the stacklight when an acoustic module is not installed, is provided with each WM module.

WM HT

WM LT

7x5cm

PC	-30 +50 C°	IP65	ON	CLASS 2	SELF EXTINGUISHING

FPM 1F 75 +/-10	CPM 2F 89 +/-10	CPM 3F 71 +/-10	CPM 5F 70 +/-10

WM MULTI

DRAWINGS, DIMENSIONS AND WEIGHTS

70 78

30,5

35 43

50

70

50

70

WM HT
WM HT MULTI

kg
0,16

WM LT
WM LT MULTI

kg
0,05

KEY CHARACTERISTICS

LIGHT EFFECTS
WM LT MULTI and HT MULTI:
1x FLASH | 2x FLASH | 3x FLASH | 5x FLASH
Selectable via dip-switch

VOLTAGES
WM LT and WM LT MULTI: 12/24V ACDC
WM HT and WM HT MULTI: 120/240V AC

PROTECTION GRADE
IP65, suitable for outdoor applications

OPERATING TEMPERATURE
-30/+50 C°

MECHANICAL FEATURES

Self extinguishing PC body with high impact resistance, suitable for outdoor use thanks to the IP65 protection grade

ELYPS WM | PART NO

			◻	◼	◻
ELYPS WM LT	12/24V ACDC		32317	32318	32319
ELYPS WM HT	120/240V AC		32320	32321	32322
ELYPS WM LT MULTI	12/24V ACDC		32323	32324	32325
ELYPS WM HT MULTI	120/240V AC		32326	32327	32328

CERTIFICATIONS

CE

SIRENA AUTOMAX

allCOLOR

7x5cm

allCLEAR

PROXIMITY

> LOW CONSUMPTION <
> RESISTANCE TO VIBRATIONS <

PC | -30 +50 C° | IP65 | ON | CLASS 2 | SELF EXTINGUISHING

LED SMD | DIFFUSED | OPALINE

DRAWINGS, DIMENSIONS AND WEIGHTS

35 | 43

50

70

kg 0,04

ELYPS LM | PART NO

	allCOLOR	allCLEAR	PROXIMITY
(blue)	32331	32341	32411
(orange)	32332	32342	32412
(red)	32333	32343	32413
(green)	32334	32344	32414
(yellow)	32335	32345	32415
(white)	32336	32346	32416

ELYPS LM
LIGHT MODULE

Integrated LED steady light module.

With its clear colors and simple functionality, ELYPS LM is the right choice for an entry-level stacklight module.

ELYPS LM offers versatility and good optical performance as well as virtually zero maintenance thanks to the built-in LED technology that guarantees up to 100.000* hours of product life.

Available with allCOLOR, allCLEAR and Proximity lens, ELYPS LM is the right choice for an efficient stacklight module.

* At normal conditions, without vibrations and heavy temperature changes

KEY CHARACTERISTICS

LIGHT EFFECTS
STEADY

VOLTAGES
According to selected Wiring Module (WM)
With WM LT and WM LT MULTI: 24V ACDC
With WM HT and WM HT MULTI: 120/240V AC

PROTECTION GRADE
IP65, suitable for outdoor applications

OPERATING TEMPERATURE
-30/+50 C°

MECHANICAL FEATURES

Self extinguishing PC body with high impact resistance, suitable for outdoor use thanks to the IP65 protection grade
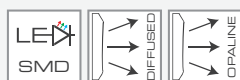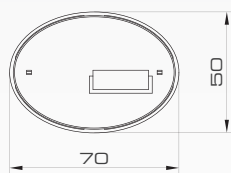
OPTICAL FEATURES

6x LEDs (3 per side). The vertically lined lens allows a perfect light distribution over 360°. Available with 3 different lens types, according to the final application

allCOLOR — **STANDARD USE**
Colored lens with colored light source.
The use of a colored lens with the same-color light source allows optimization of the emission frequency producing a rich intense light output

allCLEAR — **USE IN VERY BRIGHT ENVIRONMENTS**
Clear lens with colored light source.
In very bright environments it is possible that the ambient brightness lights up the module when it is switched OFF creating problems in distinguishing between the ON and OFF state of the stacklight (phantom effect). The clear lens module allows clear distinction between the ON and OFF status of the stacklight

ON | OFF   ON | OFF
allCOLOR   allCLEAR

PROXIMITY — **USE NEAR THE OPERATOR**
Opaline colored lens with colored light source.
Ideal when the tower is installed near the operator. The opaline characteristic allows a optimally diffused light that avoids disturbing the operator
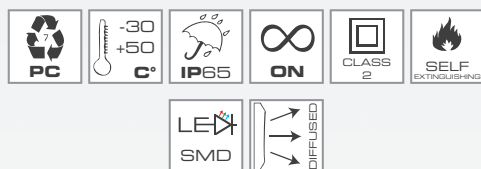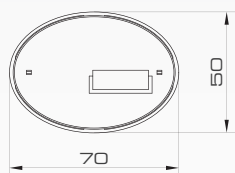
ON | OFF

CERTIFICATIONS

CE

ELYPS LM S
LIGHT MODULE

Integrated bright LED steady light module.

With its clear colors and simple functionality, ELYPS LM S is the right choice for a high performance stacklight module.

ELYPS LM S offers versatility and good optical performance as well as virtually zero maintenance thanks to the built-in LED technology that guarantees up to 100.000* hours of product life.

Available with allCOLOR and allCLEAR lens.

ELYPS LM S is the right choice for a high performance stacklight module.

At normal conditions, without vibrations and heavy temperature changes

allCOLOR

allCLEAR

7x5cm

> HIGH BRIGHTNESS <
> LOW CONSUMPTION <
> RESISTANCE TO VIBRATIONS <

PC | -30 +50 C° | IP65 | ON | CLASS 2 | SELF EXTINGUISHING

LED SMD | DIFFUSED

KEY CHARACTERISTICS

LIGHT EFFECTS
STEADY

VOLTAGES
According to selected Wiring Module (WM)
With WM LT and WM LT MULTI: 12/24V ACDC
With WM HT and WM HT MULTI: 120/240V AC

PROTECTION GRADE
IP65, suitable for outdoor applications

OPERATING TEMPERATURE
-30/+50 C°

MECHANICAL FEATURES

Self extinguishing PC body with high impact resistance, suitable for outdoor use thanks to the IP65 protection grade

OPTICAL FEATURES

6x Bright LEDs (3 per side). The vertically lined lens allows a perfect light distribution over 360°. Available with 2 different lens types, according to the final application

allCOLOR | **STANDARD USE**
Colored lens with colored light source.
The use of a colored lens with the same-color light source allows optimization of the emission frequency producing a rich intense light output

allCLEAR | **USE IN VERY BRIGHT ENVIRONMENTS**
Clear lens with colored light source.
In very bright environments it is possible that the ambient brightness lights up the module when it is switched OFF creating problems in distinguishing between the ON and OFF state of the stacklight (phantom effect). The clear lens module allows clear distinction between the ON and OFF status of the stacklight

ON   OFF   ON   OFF

allCOLOR   allCLEAR

DRAWINGS, DIMENSIONS AND WEIGHTS

35
43
50
70

kg 0,04

ELYPS LM S | PART NO

	allCOLOR	allCLEAR
	32371	32381
	32372	32382
	32373	32383
	32374	32384
	32375	32385
	32376	32386

CERTIFICATIONS

CE

allCOLOR

allCLEAR

7x5cm

> **MULTIFUNCTION** <
> **HIGH BRIGHTNESS** <
> **LOW CONSUMPTION** <
> **RESISTANCE TO VIBRATIONS** <

PC	-30 +50 **C°**	**IP**65	**ON**	CLASS 2	SELF EXTINGUISHING
LED **SMD**	DIFFUSED	**CPM** **2F** 46 +/-10	**CPM** **3F** 71 +/-10	**CPM** **5F** 72 +/-10	**FPM** **RANDOM** new

DRAWINGS, DIMENSIONS AND WEIGHTS

35
43

70
50

kg 0,04

ELYPS LM S MULTI | PART NO

	allCOLOR	allCLEAR
	32391	32401
	32392	32402
	32393	32403
	32394	32404
	32395	32405
	32396	32406

ELYPS LM S MULTI
LIGHT MODULE

Integrated bright LED multifunctional light module.

Enriched by 4 light effects: double flash, triple flash, stroboscopic and random. The random effect consists in an uneven flashing pattern, augmenting the ability of catching attention.

ELYPS LM S MULTI offers versatility and good optical performance as well as virtually zero maintenance thanks to the built-in LED technology that guarantees up to 100.000* hours of product life.

Available with allCOLOR and allCLEAR lens, ELYPS LM S MULTI is the right choice for a high performance multifunctional stacklight module.

* At normal conditions, without vibrations and heavy temperature changes

KEY CHARACTERISTICS

LIGHT EFFECTS
2x FLASH | 3x FLASH | 5x FLASH | RANDOM
Selectable via dip-switch

VOLTAGES
According to selected Wiring Module (WM)
With WM LT and WM LT MULTI: 12/24V ACDC
With WM HT and WM HT MULTI: 120/240V AC

PROTECTION GRADE
IP65, suitable for outdoor applications

OPERATING TEMPERATURE
-30/+50 C°

MECHANICAL FEATURES

Self extinguishing PC body with high impact resistance, suitable for outdoor use thanks to the IP65 protection grade

OPTICAL FEATURES

6x Bright LEDs (3 per side). The vertically lined lens allows a perfect light distribution over 360°. Available with 2 different lens types, according to the final application

allCOLOR **STANDARD USE**
Colored lens with colored light source.
The use of a colored lens with the same-color light source allows optimization of the emission frequency producing a rich intense light output

allCLEAR **USE IN VERY BRIGHT ENVIRONMENTS**
Clear lens with colored light source.
In very bright environments it is possible that the ambient brightness lights up the module when it is switched OFF creating problems in distinguishing between the ON and OFF state of the stacklight (phantom effect). The clear lens module allows clear distinction between the ON and OFF status of the stacklight
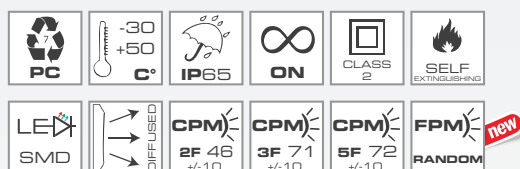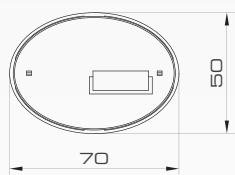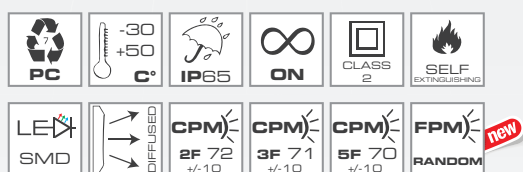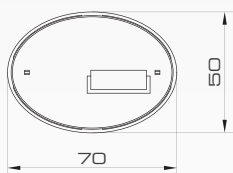
ON   OFF   ON   OFF

allCOLOR   allCLEAR

CERTIFICATIONS

CE

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ELYPS LM X MULTI
LIGHT MODULE

Integrated superbright LED multifunctional light module engineered to naturally substitute traditional Xenon discharge lamps modules.

Enriched by 4 light effects: double flash, triple flash, stroboscopic and random. The random effect consists in an uneven flashing pattern, augmenting the ability of catching attention.

ELYPS LM X MULTI offers versatility and good optical performance as well as virtually zero maintenance thanks to the built-in LED technology that guarantees up to 100.000* hours of product life.

* At normal conditions, without vibrations and heavy temperature changes

> **MULTIFUNCTION** <
> **SUPERBRIGHT** <
> **LOW CONSUMPTION** <
> **RESISTANCE TO VIBRATIONS** <

7x5cm

PC	-30 +50 **C°**	**IP**65	**ON**	CLASS 2	SELF EXTINGUISHING
LED **SMD**	DIFFUSED	**CPM) 2F** 72 +/-10	**CPM) 3F** 71 +/-10	**CPM) 5F** 70 +/-10	**FPM) RANDOM** new

KEY CHARACTERISTICS

LIGHT EFFECTS
2x FLASH | 3x FLASH | 5x FLASH | RANDOM
Selectable via dip-switch

VOLTAGES
According to selected Wiring Module (WM)
With WM LT and WM LT MULTI: 12/24V ACDC
With WM HT and WM HT MULTI: 120/240V AC

PROTECTION GRADE
IP65, suitable for outdoor applications

OPERATING TEMPERATURE
-30/+50 C°

MECHANICAL FEATURES

Self extinguishing PC body with high impact resistance, suitable for outdoor use thanks to the IP65 protection grade

OPTICAL FEATURES

2x SuperBright LEDs (1 per side). The vertically lined lens allows a perfect light distribution over 360°

DRAWINGS, DIMENSIONS AND WEIGHTS
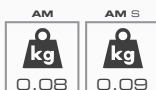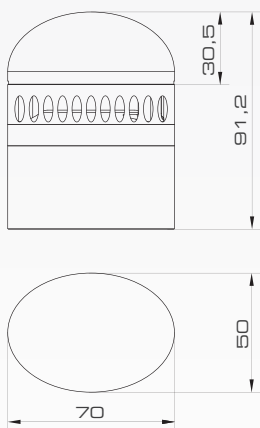
35
43
50
70

kg 0,04

ELYPS LM X MULTI | PART NO

■ (blue)	32351
■ (orange)	32352
■ (red)	32353
■ (green)	32354
■ (yellow)	32355
■ (white)	32356

CERTIFICATIONS

CE

7x5cm

ELYPS AM

1+1   ((dB)) 95

ELYPS AM S

8+8   ((dB)) 95

PC | -30 +50 C° | IP65 | ON | CLASS 2 | SELF EXTINGUISHING

DRAWINGS, DIMENSIONS AND WEIGHTS

30,5
91,2
50
70

AM	AM S
kg 0,08	kg 0,09

ELYPS AM | PART NO

ELYPS AM	32337	32338	32339
ELYPS AM S	32347	32348	32349

ELYPS AM
ACOUSTIC MODULE

ELYPS AM acoustic modules are the right complement to add acoustic signalization to the luminous part of the stacklight. According to each application need, there are 2 possible solutions:

ELYPS AM
Piezoelectric acoustic module with 2 sounds (intermittent and continuous) over 2 channels (1+1). It allows to use both channels, by connecting 2 of the 7 available contacts of the wiring module.

ELYPS AM S
Magnetodynamic acoustic module with 16 sounds (mixed types) over 2 channels (8+8). It allows to use both channels, by connecting 2 of the 7 available contacts of the wiring module. For each channel it is possible to select the sound via dip-switch.

KEY CHARACTERISTICS

NUMBER OF TONES
AM | 1+1 sounds (intermittent + continuous) over 2 channels
AM S | 8+8 sounds (mixed types) over 2 channels

VOLTAGES
According to selected Wiring Module (WM)
With WM LT and WM LT MULTI: 12/24V ACDC
With WM HT and WM HT MULTI: 120/240V AC

PROTECTION GRADE
IP65, suitable for outdoor applications

OPERATING TEMPERATURE
-30/+50 C°

MECHANICAL FEATURES

Self extinguishing PC body with high impact resistance, suitable for outdoor use thanks to the IP65 protection grade

ACOUSTIC FEATURES

AM | Piezoelectric unit, frequency 3600Hz +/-100
AM S | Magnetodynamic unit, mixed frequencies 490-2800Hz

CERTIFICATIONS

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AUTOMAX

FLAT BASE

POLE BASE

WALL BASE

EXTENDED BASE

TUBE BASE
Shown with 40cm
SS Extension Tube

ELYPS MB
MOUNTING BASE

FLAT BASE
Designed for flat surface mounting when cabling occurs from the bottom of the device and where a compact design is required.

WALL BASE
Designed for lateral/wall mounting.

POLE BASE
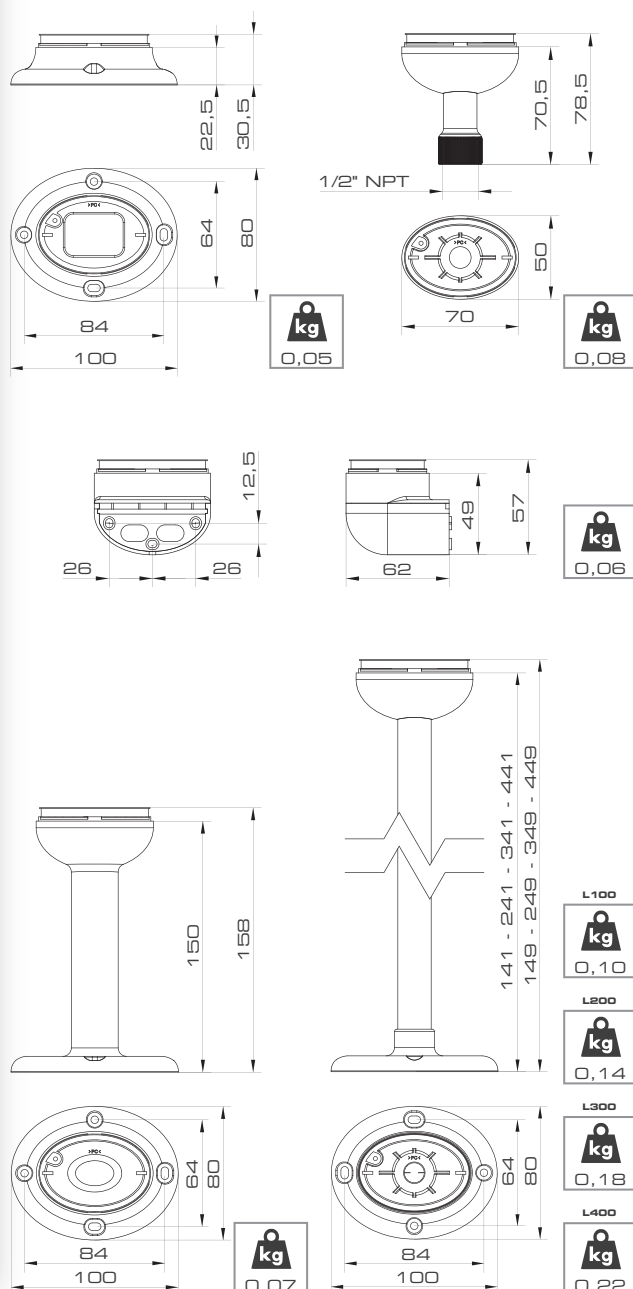Designed for installation on a 1/2" NPT threaded pole.

EXTENDED BASE
Designed for flat surface mounting. Stacklight position lifted by 10cm.

TUBE BASE
Designed for the use in conjunction with a Stainless Steel extension tube. Tube lengths available: 10, 20, 30 and 40cm. Custom lengths available on request.

DRAWINGS, DIMENSIONS AND WEIGHTS

1/2" NPT

kg 0,05

kg 0,08

kg 0,06

kg L100 0,10

kg L200 0,14

kg L300 0,18

kg L400 0,22

kg 0,07

ELYPS MB | PART NO

ELYPS MB	▨	■	☐	
ELYPS MB FLAT BASE	32357	32358	32359	
ELYPS MB WALL BASE	32367	32368	32369	
ELYPS MB POLE BASE	32387	32388	32389	
ELYPS MB EXTENDED BASE	32377	32378	32379	
ELYPS MB TUBE BASE	32397	32398	32399	
ELYPS MB EXTENSION	SS L100 32407	SS L200 32408	SS L300 32409	SS L400 32410

AUTOMAX is Sirena's range of
multifunctional stacklights engineered
for the automation industry

automax@sirena.it

MADE IN ITALY
Engineered,
Developed and
Assembled in
Rosta, Italy

SiRENA

8 010152 010859

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