

# PRIMOS III SGN

**PRIMOS III SGN** is a low power surface mounted LED luminaire designed for emergency escape lighting. Its main task is to indicate escape routes by means of internally illuminated evacuation sign in the ISO 7010 standard.

It is available as single sided for wall mounting or with additional accessory (double sided flag) for ceiling mounting.



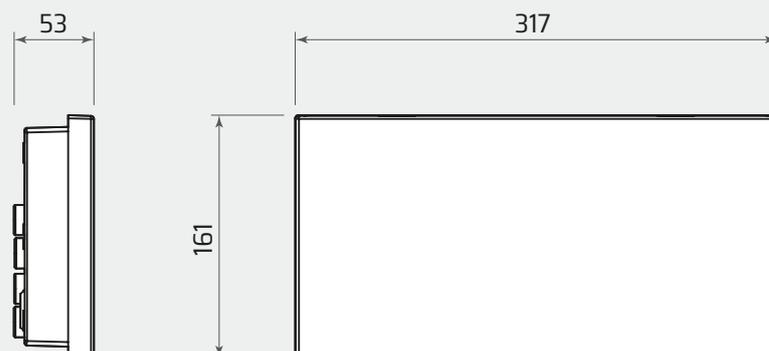
CE IP65

Safety sign visibility:

30x15cm



30m



## LUMINAIRE FEATURES

- Luminaire shows the directions of escape
- Li-Ion battery
- LED indicators signalling the luminaire state
- Deep discharge battery protection
- Maintained/non-maintained or operation mode
- Night operation mode available for CENTRALTEST system
- Possibility of connecting to the monitoring system or collective power supply system
- A lot of mounting types
- Housing is made of PC/ABS plastic
- Additional mounting kits

## AVAILABLE SYSTEMS

**ST** - STANDARD -

**AT** - AUTOTEST - internal components, battery and light source tests being performed automatically

**CT** - CENTRALTEST - internal components, battery and light source tests being performed on command from the main unit of central management system H-300

**TRF, CTBT, CTW** - CENTRALTEST with RF radio communication and/or Bluetooth - battery and light source tests performed on behalf of the central unit, radio communication

**CB** - luminaire supplied from HVCBS (230V AC/ 216V DC), without address module

**CBAM** - luminaire supplied from the HVCBS (230V AC/216V DC), with built-in address module and operating mode selection

**LVAM** - luminaire supplied with 24V DC from the LVDBS system, with built-in address module and operating mode selection

## TECHNICAL DATA

Supply voltage	ST, AT, CT, CTRF, CTBT, CTW	230V AC 50/60Hz
	CB, CBAM	230V AC 50/60Hz 170-275V DC
	LVAM	24-48V DC
Protection class	ST, AT, CT, CTRF, CTBT, CTW, CB, CBAM	II
	LVAM	III
Ingress protection		IP65, IK8
Light source		Listwy LED <sup>1)</sup>
Light colour temperature		5700K
Light source supply power		1W
Light source lifespan		> 50 000h
Battery type and voltage		Li-Ion 3.7V

Battery capacity		0.7Ah, 2.2Ah, 4.4Ah
Battery recharging time	ST, AT, CT, CTRF, CTBT, CTW	< 12h
Emergency operation time	ST, AT, CT, CTRF, CTBT, CTW	1h, 3h, 8h
Ambient temperature	ST, AT, CT, CTRF, CTBT, CTW	+5 - +45°C; TE: <sup>2)</sup> -20 - +45°C
	CB, CBAM, LVAM	-10 - +55°C; TE: <sup>2)</sup> -25 - +55°C
Supply cable cross-section area		0.5-2.5mm <sup>2</sup>
Supply cable diameter		≤ 13mm
Communication cable diameter	CT, CTRF, CTBT, CTW	≤ 7mm
Through wiring		✓
Suitable for surface wiring		✓

<sup>1)</sup> Non-exchangeable, but serviceable light source; <sup>2)</sup> TE - extended temperature range

## MATERIAL

**Housing material** - PC/ABS mix

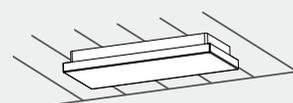
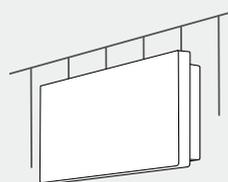
**Housing colour** - ○ RAL 9016, ● RAL 9005, other colours on special order

**Lamp shade material** - PC opal

## MOUNTING TYPES

Back to the wall

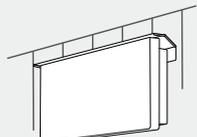
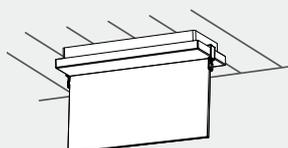
Directly to the ceiling



## ADDITIONAL ACCESORIES

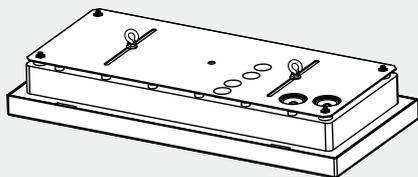
Flaga dwustronna dla PRIMOS mocowanego do sufitu (DS)

PRIMOS W225 - increasing protection against weather conditions

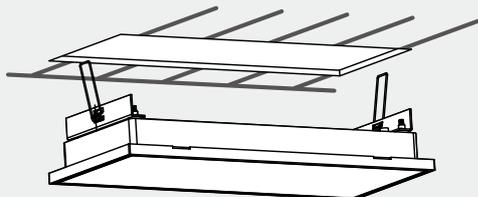


## MOUNTING ACCESSORY FOR PRIMOS FAMILY OF LUMINAIRES

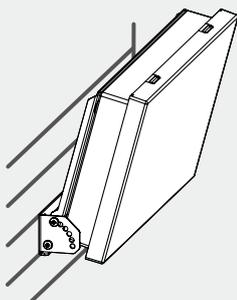
**PRIMOS III C101** - luminaires are suspended from the ceiling using cords or chains (ordered separately)



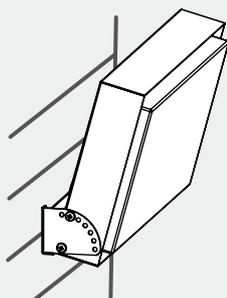
**PRIMOS III C105** - it allows for recessed luminaire mounting



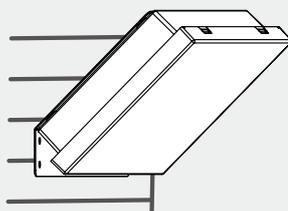
**PRIMOS III W122** - allows for mounting of luminaire to wall or ceiling by the longer side with angle adjustment



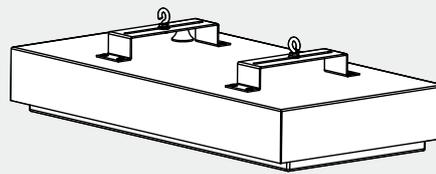
**PRIMOS III W222** - luminaires are mounted with its longer side to the ceiling or to the wall with the possibility of setting the angle



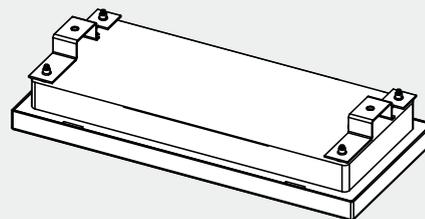
**PRIMOS III W226** - luminaires are mounted with its longer side to the ceiling or to the wall with the angle of 45°



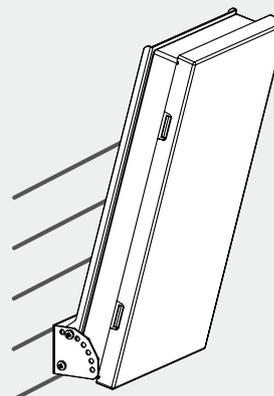
**PRIMOS III C114** - allows for external suspended mounting of luminaires using cords or chains (ordered separately)



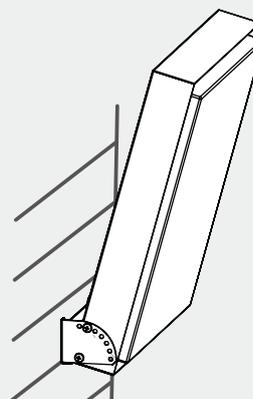
**PRIMOS III C106** - the C106 kit allows for mounting the luminaire to metal cable trays or other similar construction elements



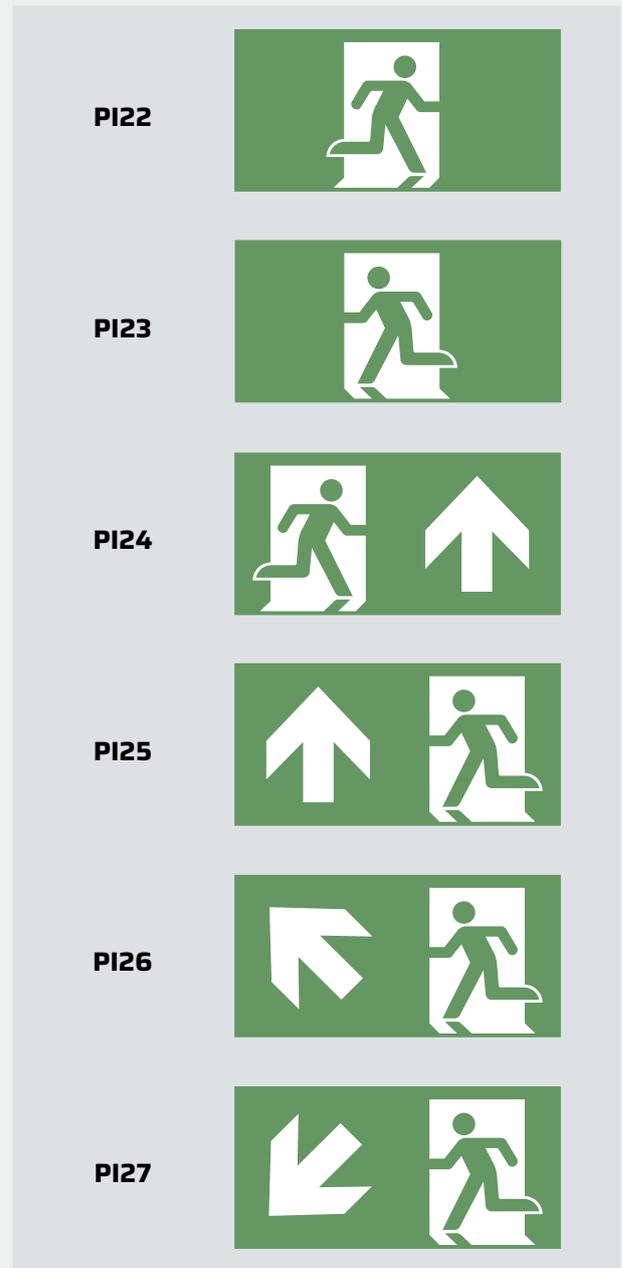
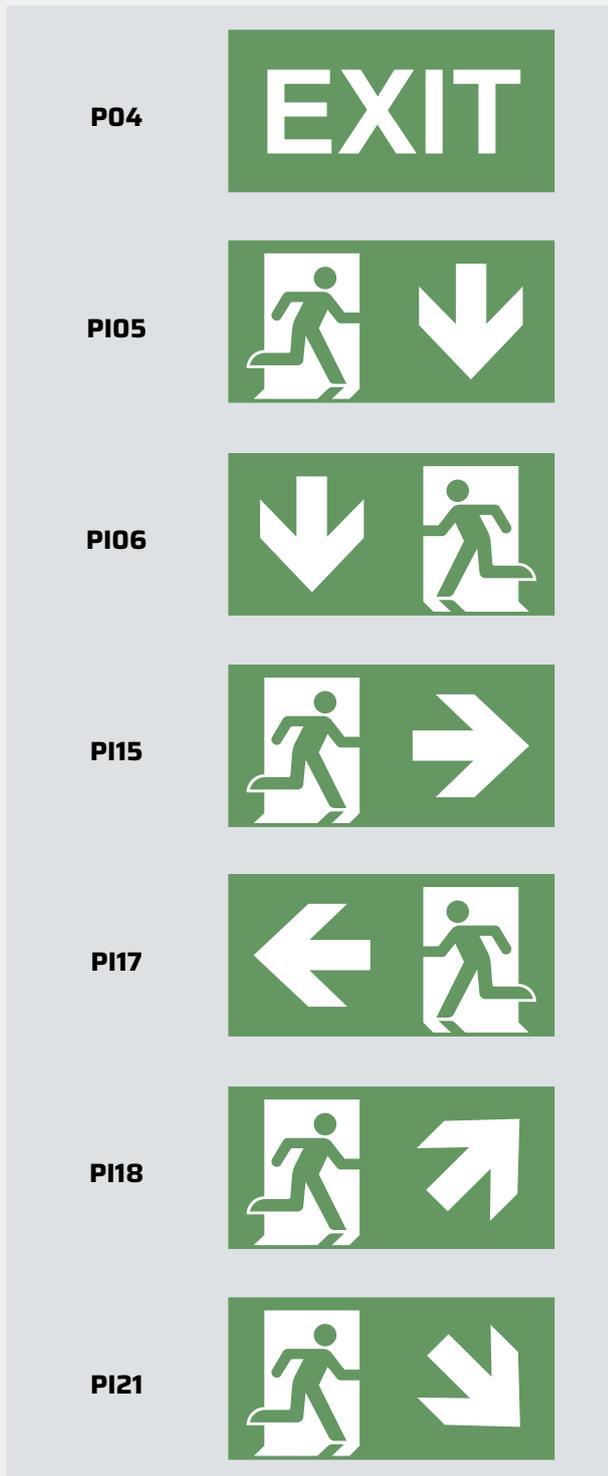
**PRIMOS III W121** - allows for mounting of luminaire to wall or ceiling by the shorter side with angle adjustment



**PRIMOS III W221** - luminaires are mounted with its shorter side to the ceiling or to the wall with the possibility of setting the angle



**SAFETY SIGNS**



Symbols for double-sided safety signs: **PI05/06, PI15/17, PI18/26, PI21/27, PI22/23, PI24/25.**

**SET OF SAFETY SIGNS**



The set consists of 4 safety signs, 10x10cm or 15x15cm stickers. It allows to compose your own sign **PIXX** from „Safety signs” table by selection stickers and arrow rotation.

## ORDERING

**PRIMOS SGN LED 0000 - SS - 1W - AT - 3h - M - TS - E - 9016 - PI21**

Variant:

**0000** - base

**0001** - extended warranty

**0030** - with Bluetooth indoor navigation (AT only)

Luminaire type:

**SS** - one-sided

**DS** - double-sided

System variant:

**ST** - standard

**AT** - autotest

**CT** - centraltest

**CTRF** - centraltest only with the RF communication module

**CTBT** - centraltest only with the BT communication module

**CTW** - centraltest with BT + RF radio communication

**CB** - centrally supplied luminaire

**CBAM** - centrally supplied luminaire, with address module

**LVAM** - centrally low voltage supplied luminaire 24V DC, with address module

Emergency operation time:

**1h** - emergency operation time of 60 minutes

**3h** - emergency operation time of 180 minutes

**8h** - emergency operation time of 480 minutes

**X** - not applicable (CB, CBAM, LVAM)

Operation mode:

**M** - maintained

**NM** - non-maintained

**SM** - switched maintained

**X** - not applicable (CB, CBAM, LVAM)

Ambient temperature range:

**TS** - standard

**TE** - extended

Energy consumption:

**X** - standard

**E** - reduced

Housing colour:

**9016** -  RAL 9016

**9005** -  RAL 9005

**7042** -  RAL 7042

**7016** -  RAL 7016

Safety sign:

... - see table „**SAFETY SIGNS**”

**S** - set of safety signs

**NOP** - plate without safety sign