

# PRIMOS III

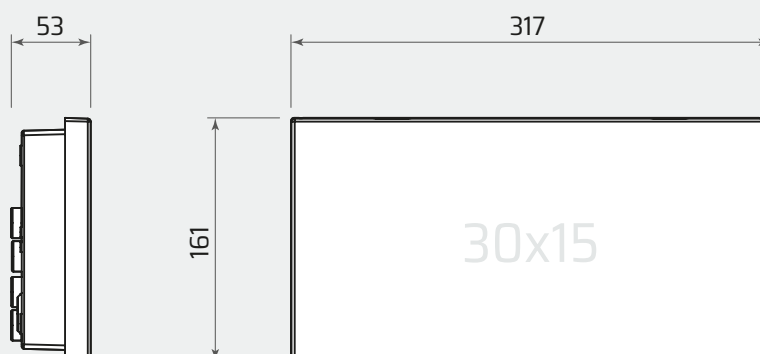
**PRIMOS III** is a high power and high efficiency surface mounted LED luminaire, designed for emergency lighting. Its main task is to illuminate escape routes, evacuation signs, rooms in public facilities, work places, etc.

A high luminous flux makes it possible to use **PRIMOS III** at great heights.

PRIMOS II luminaire is compatible with all emergency lighting systems offered by HYBRYD.



CE IP65



## LUMINAIRE FEATURES

- Deep discharge battery protection
- Li-Ion batteries
- Possibility of connecting to the monitoring system or collective power supply system
- Non-maintained or switched maintained operation mode
- Night operation and fire mode available for the CT version
- Lighting of escape routes, open spaces and fire points
- Adapted to high altitudes
- Housing is made of plastic
- Many light source supply power
- Wide range of optics
- Possibility to mounting outside the building with additional mounting types

## AVAILABLE SYSTEMS

**STANDARD** - tests commissioned manually

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

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

**CB** - luminaire supplied from HVCBS (230V AC / 216V DC / 108V DC), without address module

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

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

## TECHNICAL DATA

Supply voltage	<b>ST, AT, CT</b>	230V AC 50/60Hz
	<b>CB, CBAM</b>	230V AC 50/60Hz 170-275V DC
	<b>LVAM</b>	24-48V DC
Protection class	<b>ST, AT, CT, CB, CBAM</b>	II
	<b>LVAM</b>	III
Ingress protection		IP65
Light source		LED strip, LED modules <sup>1)</sup>
Light source lifespan		> 50 000h
Light colour temperature	<b>CW</b>	5200-5700K
	<b>NW</b>	3700-4200K
	<b>WW</b>	2700-3300K
Colour rendering index		70
Light source supply power	2W, 3W, 5W, 7W, 10W	
Minimum luminous flux	<b>AR</b>	317lm, 460lm, 745lm, 942lm, 1274lm
	<b>AP</b>	323lm, 465lm, 758lm, 954lm, 1259lm
	<b>RO</b>	311lm, 449lm, 742lm, 936lm, 1266lm
	<b>RP</b>	282lm, 407lm, 715lm, 870lm, 1148lm
	<b>RPHV</b>	291lm, 421lm, 716lm, 897lm, 1208lm
	<b>LD</b>	341lm, 485lm
	<b>CLA</b>	261lm, 370lm

Battery type and voltage		Li-Ion 7.4V
Battery capacity		0.7, 2.2, 4.4Ah
Battery recharging time	<b>ST, AT, CT</b>	< 12h
Emergency operation time	<b>ST, AT, CT</b>	1h, 3h, 8h
Ambient temperature	<b>ST, AT, CT</b>	+5 - +35°C; TE: <sup>2)</sup> -20 - +35°C
	<b>CB, CBAM, LVAM</b>	-10 - +45°C; TE: <sup>2)</sup> -25 - +50°C
Supply cable cross-section area		0.5-2.5mm <sup>2</sup>
Supply cable diameter		≤ 13mm
Communication cable diameter	<b>CT</b>	≤ 7mm
Through wiring		✓
Suitable for surface wiring		✓

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

## MATERIAL

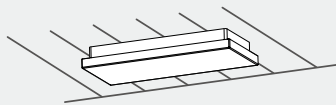
**Housing material** - PC/ABS mix

**Housing colour** - ○ RAL 9016, ● RAL 7042, ● RAL 7016, ● RAL 9005, other on special order

**Lamp shade material** - PC

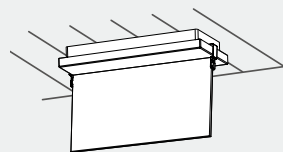
## MOUNTING TYPE

Directly to the ceiling

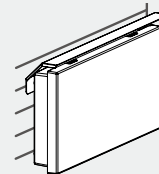


## ADDITIONAL ACCESSORIES

Double-sided flag  
for PRIMOS  
ceiling mounted

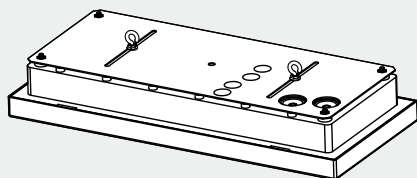


**PRIMOS III W225**  
- increasing protection  
against weather conditions

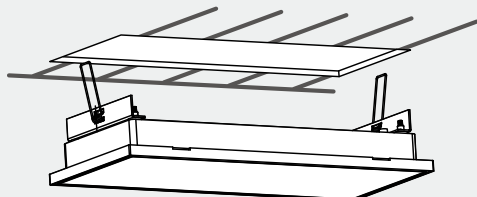


## MOUNTING ACCESSORY FOR PRIMOS FAMILY OF LUMINAIRES

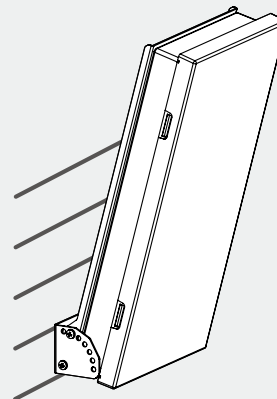
**PRIMOS III C101** - luminaires are suspended  
from the ceiling using cords or chains  
(ordered separately)



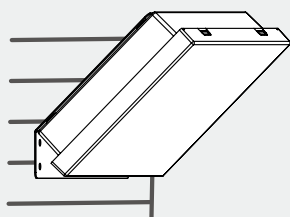
**PRIMOS III C105** - it allows for recessed  
luminaire mounting



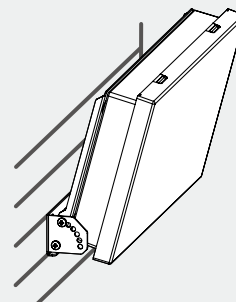
**PRIMOS III W121** - allows for mounting of luminaire  
to wall or ceiling by the shorter side  
with angle adjustment in the range of 0° - 90°



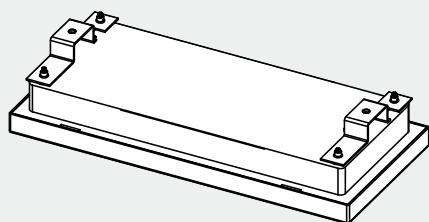
**PRIMOS III W226** - luminaires are mounted  
with its longer side to the ceiling or to the wall  
with the angle of 45°



**PRIMOS III W122** - allows for mounting of luminaire  
to wall or ceiling by the longer side  
with angle adjustment in the range of 15° - 90°



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



## AVAILABLE OPTICS

**AREA** - (AR) symmetrical light distribution in all directions, recommended for use in places of considerable height or to illuminate fire points

**AREA PLUS** - (AP) symmetrical light distribution in all directions, ensuring adequate illumination on a large area

**LD** - LED strip, symmetrical light distribution, transparent lampshade

**CLA** - LED strip with an opal shade, characterized by a low glare factor, symmetrical light distribution

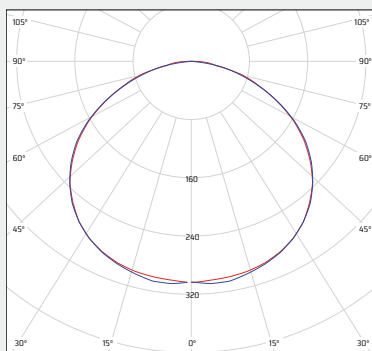
**ROAD** - (RO) symmetrical light distribution in all directions, ensuring adequate illumination on a large area

**ROAD PLUS** - (RP) light distribution mainly along the escape route with a much greater range than for the ROAD optics, for small heights

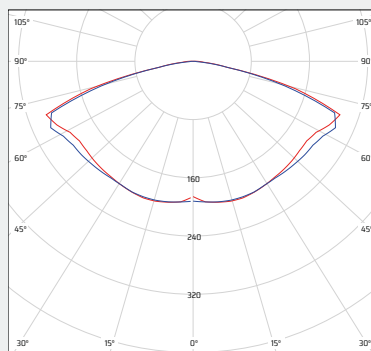
**ROAD PLUS H/V** - (RPHV) used to illuminate escape routes at the point of their intersections

## LIGHT DISTRIBUTION CURVES

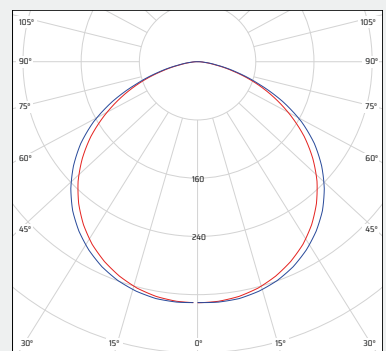
AREA



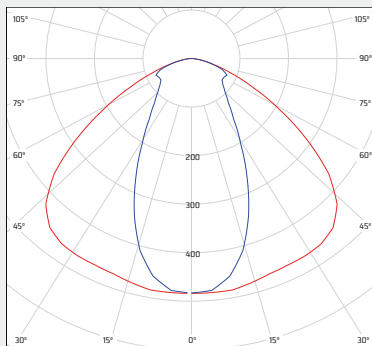
AREA PLUS



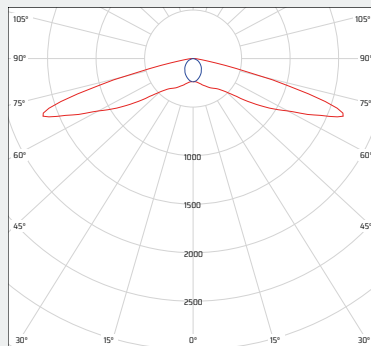
LD / CLA



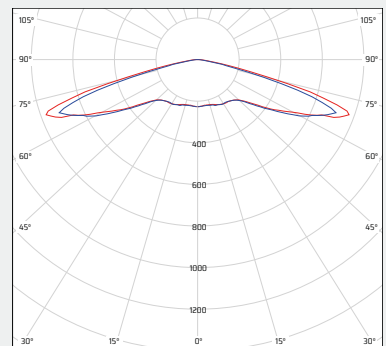
ROAD



ROAD PLUS



ROAD PLUS H/V



cd/klm

— CO - C180

— C90 - C270

## ORDERING

**PRIMOS III 0000 - AP - 5W - AT - 3h - NM - TS - CW - 9016**

### Variant:

**0000** - base variant

**0001** - extended warranty variant

### Optics:

**AP** - area plus

**AR** - area

**RP** - road plus

**RO** - road

**RPHV** - road plus horizontal/vertical

**LD** - LED strip, transparent lampshade

**CLA** - LED strip, opal lampshade

### Light source supply power:

**2W** - LED module powered by 2W (LED strip)

**3W** - LED module powered by 3W (LED strip or 2 x PowerLED)

**5W** - LED module powered by 5W

**7W** - LED module powered by 7W

**10W** - LED module powered by 10W (3 x PowerLED)

### System variant:

**ST** - standard

**AT** - autotest

**CT** - centraltest

**CB** - centrally supplied luminaire

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

**LVAM** - centrally low voltage supplied luminaire, 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 (2W and 3W only)

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

### Operation modes:

**NM** - non-maintained

**SM** - switched maintained

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

### Ambient temperature range:

**TS** - standard ambient temperature range

**TE** - extended ambient temperature range

### Color temperature:


**CW** - cold 5200-5700K


**NW** - neutral 3700-4200K

**WW** - warm 2700-3300K

### Housing colour:

**9016** -  RAL 9016

**9005** -  RAL 9005

**7042** -  RAL 7042

**7016** -  RAL 7016