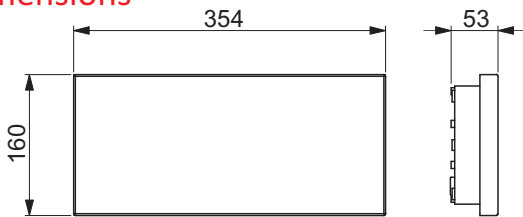




## Dimensions



## Casing

Body material: plastic  
 Casing colour: white - RAL 9003  
 Different colours available  
 Lamp cover material: plastic  
 Lamp cover: flat and transparent

## Available versions

Check final pages of this catalogue.

## Mounting types

Check 3rd page of the catalogue cover.

## General purpose

Primos LED, equipped with LED light source, is a highly efficient luminaire designed for emergency lighting. Its main task is to illuminate emergency escape routes, emergency escape exits and rooms in public facilities, work places, etc. It is compatible with all emergency lighting systems offered by Hybrid.

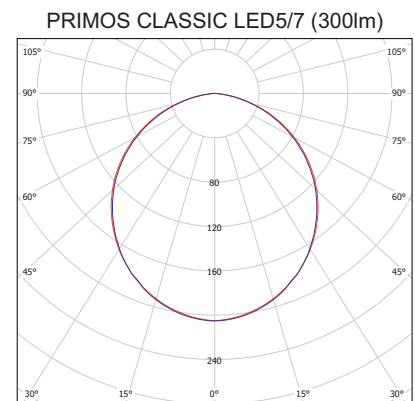
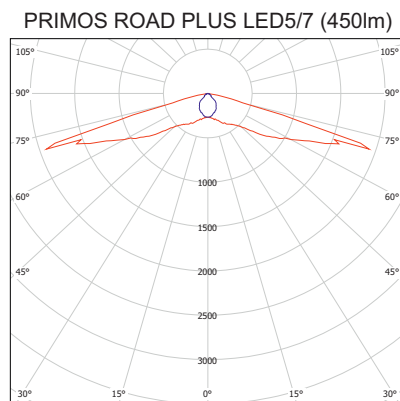
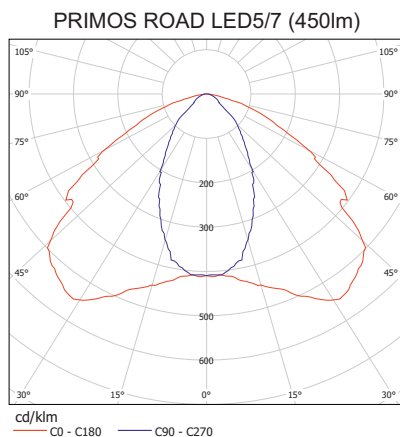
Additional information about emergency lighting luminaires - p. 24

## Technical data

CATEGORY		VALUE		
		PRIMOS LED5	PRIMOS LED5 T	PRIMOS LED7
Power supply		230V AC 50-60Hz		
Power consumption	maintained	< 11,5VA	< 11,7VA	< 11,5VA
	non-maintained	< 5VA	< 5,2VA	< 5VA
Power consumption of the heater (for 20°C)	after switching		< 20W	
	when the temperature reached		< 6W	
cos φ		0,5 - 0,7		
Protection class		I		
Protection degree		IP65		
Light source		LED Module <sup>1</sup>		
Light temperature		5700 - 6500K		
Luminous flux	PRIMOS ROAD	450lm		550lm
	PRIMOS ROAD PLUS			
	PRIMOS CLASSIC	300lm		360lm
Light source power		5W		7W
Light source lifespan		> 50 000h		
Accumulator type		Ni-Cd HT, Ni-MH HT		Ni-MH HT
Accumulator voltage		4,8V		8,4V
Accumulator capacity	t <sub>aw</sub> = 1h	2,1 - 2,5 Ah		2,1 Ah
	t <sub>aw</sub> = 2h, t <sub>aw</sub> = 3h	4,0Ah		4,0Ah (2h)
Recharging time		24h		
Emergency work time		1h, 2h, 3h		1h, 2h
Ambient temperature		+10 - +35 °C	-20 - +35 °C	+10 - +35 °C
Connector	non-maintained	3x 0,5 - 2,5 mm <sup>2</sup>		
	maintained	4x 0,5 - 2,5 mm <sup>2</sup>		
Through connecting		YES		

<sup>1</sup> - unchangeable light source

## Light distribution diagrams



## PROFILIGHT

Luminaire	Execution	Work mode	Light source	Mounting <sup>1</sup>	Casing colour <sup>2</sup>	Pictogram
PROFILIGHT	ST	C	LED	W4		P01
	AT	J		W17		...
	CT			C5		P29
	CB			C24		
	CB-MA			C25		
				C26		
		C32				

Example of creating a name: PROFILIGHT CT C LED C24 P12

<sup>1</sup>For mounting type C26 standard distance luminaire from the ceiling 150mm, for C24 and C25 – 300mm.

Other distances available - extended delivery time.

<sup>2</sup>Standard luminaire in anodised aluminum with black sides.

## PRIMOS LED

Luminaire	Execution	Work mode	Light source	Pictogram	Temperature range	
PRIMOS	ST	C	LED	P01		
	AT	J		...		T
	CT	N		P29		
	TS					
	CB					
	CB-MA					

Example of creating a name: PRIMOS AT J LED P05

## PRIMOS LED5

Luminaire	Photometric body type	Execution	T <sub>aw</sub> [h]	Work mode	Light source	Power [W]	Temperature range
PRIMOS	ROAD	AT	1	C	LED	5	T <sup>4</sup>
	ROAD PLUS	CT	2	J		7 <sup>2</sup>	
	CLASSIC	TS <sup>1</sup>	3	N			
	CB						
	CB-MA						

Example of creating a name: PRIMOS ROAD AT 1C LED5

<sup>1</sup> Execution TS is not available for photometric body of CLASSIC type (frosted lamp cover)

<sup>2</sup> Luminaire with power 7W available for all execution and time (work mode) 1C i 2C.

<sup>3</sup> It is recommended to use photometric body of CLASSIC type

<sup>4</sup> Not available for the time (work mode 2J, 3J, 2N i 3N)

Luminaire	Type of housing	Execution	Power [W]	T <sub>aw</sub> [h]	Work mode
SFERA	N	ST	1x18W	2	J
	P	AT	2x18W		
		CT	1x26W		
		CB	2x26W		
			1x32W		

**SFERA**

Example of creating a name: SFERA N CT 2x18W 2J

Luminaire	Type of housing	Execution	Power [W]	T <sub>aw</sub> [h]	Work mode
SQUARE	N	ST	4x14W	2	J
	P	AT	4x18W		
		CT	2x36W		
		CB			

**SQUARE**

Example of creating a name: SQUARE P AT 4x18W 2J

### Legend:

Photometric body type: see individual product data sheets.

Luminaire size:

**Empty field** – small

**D** – large.

Luminaire type or lamp cover:

**N** – surface mount

**P** – recessed

**DW** – luminaire two-sided or lamp cover two-sided.

Execution:

**ST** – standard

**AT** – autotest

**CT** – centraltest

**TS** – testsystem

**CB** – central battery,

**CB-MA** – central battery plus changeover module,

**CB-MP** – central battery plus addressing module,

**CB-MAP** – central battery plus changeover + addressing module .

T<sub>aw</sub> [h] - emergency work time: CB is not defined.

Work mode:

**C** – non-maintained

**J** – maintained

**N** – night (only for CT).

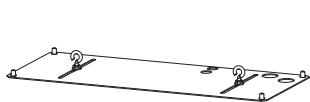
Defined for ST, AT, CT, TS, CB-MA (luminaires LED) i CB-MAP (luminaires fluorescent).

Temperature range:

**Empty field** - standard temperature range

**T** – extended temperature range (see technical data) with thermostat H-323.

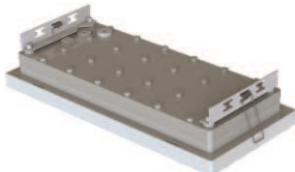
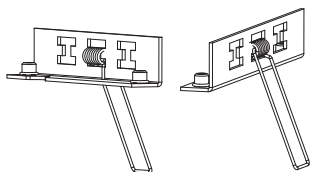
Casing colour: fields with "\*" available - extended delivery time.



## Mounting kit C101

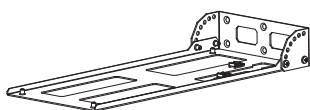
Mounting kit designed to hang down luminaires PRYMAT, PRIMOS and HERKULES-P.

**ATTENTION!**  
Strings or chains should be ordered separately.



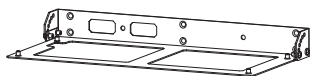
## Mounting kit C105

Mounting kit designed for mounting luminaires PRIMOS, PRYMAT and HERKULES-P in suspended ceilings.



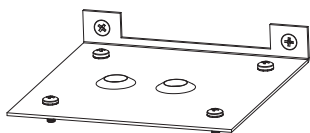
## Mounting kit W121

Wall mounting kit designed for luminaires PRIMOS, PRYMAT and HERKULES-P. It allows mounting luminaire on the wall perpendicularly to it and for folding luminaire from the level 15, 30, 45, 60, 75 or 90 °. Using a mounting W121 luminaire is directed to the shorter side of wall.



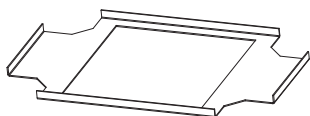
## Mounting kit W122

Wall mounting kit designed for luminaires PRIMOS, PRYMAT and HERKULES-P. It allows mounting luminaire on the wall perpendicularly to it and for folding luminaire from the level 15, 30, 45, 60, 75 °. Using a mounting W121 luminaire is directed to the longer side of wall.



## Mounting kit W131

Mounting kit designed for surface mounting of KWADRA luminaire on the wall in the way that the light is directed to the floor. It is recommended to use luminaire with SIDE type photometric body with mounting kit W131.



## Reinforcement for soft ceilings

Addition designed for recessed execution of KWADRA luminaire. It allows mounting of luminaire in soft ceilings eg. in fiberglass ceilings.



## Strings , chains

Steel strings, galvanized chains DIN 5685-A – designed for mounting pendant luminaires.

*Chains available in dimension DIN 5685-A 1,5x12.*

## Versions - testing, monitoring

**ST** = Standard - emergency work test executed by turning off power supply

**AT** = Autotest - automatic and periodic test execution:

TEST A - lamp efficiency test, monthly;

TEST B - emergency work time measurement, annually;

**CT** = Centraltest - communication with the central unit or PC, full addressing of the luminaires, luminaires visualisation, system status reporting, many testing options, manual testing;

**TS** = Test System - communication with H-101TS central unit, many testing options, manual testing with the use of H-101TS central unit

**CB** = Central Battery - 220V DC power supply from central battery, built-in LED 220VDC ballast and LED module;

**BU** = Buffer Supply - luminaire adapted for 12-24V DC buffer feeders, built-in LED 12-24V DC ballast and LED module.

## Functions

1. Automatic power supply switch: basic work/emergency work. (only ST, AT, CT and TS).
2. Luminaire and accumulator state indication (only ST, AT, CT and TS).
3. Supervision of 230V power supply voltage and accumulator condition (only ST, AT, CT and TS).
4. Deep accumulator discharge protection (only ST, AT, CT and TS).
5. Automatic test execution (only AT, CT and TS).
6. Light source work supervision.

## Indication

The luminaire condition is indicated by LED. There is no LED indication during emergency mode:

Green - accumulator condition (only ST, AT, CT, TS)

Red - luminaire condition (only AT, CT, TS).

More details described in product manuals.

## Lighting versions

**Maintained (M)** - basic lighting provided all the time (uses 230V); in case of power supply failure switches automatically into emergency mode (accumulator).

**Non-maintained (NM)** - standby mode as a standard (no lighting); in case of power supply failure switches automatically into emergency mode (accumulator).

# Mounting types

							<b>PROFIL</b>
							<b>CRYSTAL</b>
						<b>ALU</b>	
						<b>SPARK</b>	
							<b>PROFILIGHT</b>
							<b>OWA LED</b>
<b>KWADRA ORBIT LED</b>		<b>OWA ATOM LED</b>			<b>OWA POWER LED</b>		
<b>KWADRA N</b>			<b>KWADRA P</b>				
<b>C101*</b>				<b>PRYMAT DW</b>			
<b>C105</b>							
<b>W121</b>							
<b>W122</b>							
<b>ACCESSORIES</b> (ordered separately)							

\* Strings or chains available on request.

<sup>1)</sup> Requires access to ceiling void.

<sup>2)</sup> Only for ST, CB.

### LEGEND

- CONSTANT CEILING
- SUSPENDED CEILING
- MODULAR CEILING