



## TECHNICAL DATA

<b>Application</b>	urban roads, residential roads (internal), parks, pedestrians, parkings
<b>Assembly</b>	on extension arms, wall brackets, columns with extension arms with ø 42 x 40 mm ending
<b>Colour</b>	black
<b>Ingress protection</b>	IP 66
<b>Material</b>	body and cap - anodised aluminium formed sheet metal
<b>Operating temperature range</b>	from -40°C to +30°C
<b>Expected useful lifetime</b>	L90B10 - 100 000h
<b>CRI</b>	>70
<b>Input voltage frequency</b>	50/60Hz
<b>Power factor</b>	≥0.95
<b>Control system</b>	Luminaire has the possibility to connect to an external control system via DALI interface (optionally via analog signal 1-10V).



## TABLE OF TYPES

Code	Symbol	LED power	Luminaire power consumption	LED forward current	Colour temperature (CCT)	LEDs luminous flux <sup>1</sup>	Luminaire luminous flux <sup>1</sup>	Luminous efficacy <sup>1</sup>	Unit volume	Net weight
2109030/1/.. <sup>a</sup>	OW LED 24	24 W	28 W	700 mA	2700 K	3600 lm	3100 lm	113 lm/W	0.16 m <sup>3</sup>	4.6 kg
2109030/3/.. <sup>a</sup>	OW LED 24	24 W	28 W	700 mA	3500 K	3700 lm	3200 lm	117 lm/W	0.16 m <sup>3</sup>	4.6 kg
2109030/4/.. <sup>a</sup>	OW LED 24	24 W	28 W	700 mA	4000 K	4400 lm	3800 lm	136 lm/W	0.16 m <sup>3</sup>	4.6 kg
2109030/6/.. <sup>a</sup>	OW LED 24	24 W	28 W	700 mA	5000 K	4400 lm	3800 lm	136 lm/W	0.16 m <sup>3</sup>	4.6 kg
2109032/1/.. <sup>a</sup>	OW LED 36	36 W	40 W	1000 mA	2700 K	4900 lm	4300 lm	128 lm/W	0.16 m <sup>3</sup>	4.6 kg
2109032/3/.. <sup>a</sup>	OW LED 36	36 W	40 W	1000 mA	3500 K	5100 lm	4500 lm	114 lm/W	0.16 m <sup>3</sup>	4.6 kg
2109032/4/.. <sup>a</sup>	OW LED 36	36 W	40 W	1000 mA	4000 K	6000 lm	5300 lm	134 lm/W	0.16 m <sup>3</sup>	4.6 kg
2109032/6/.. <sup>a</sup>	OW LED 36	36 W	40 W	1000 mA	5000 K	6000 lm	5300 lm	134 lm/W	0.16 m <sup>3</sup>	4.6 kg
2109033/1/.. <sup>a</sup>	OW LED 48	48 W	55 W	700 mA	2700 K	7000 lm	6100 lm	112 lm/W	0.16 m <sup>3</sup>	5.1 kg
2109033/3/.. <sup>a</sup>	OW LED 48	48 W	55 W	700 mA	3500 K	7300 lm	6500 lm	119 lm/W	0.16 m <sup>3</sup>	5.1 kg
2109033/4/.. <sup>a</sup>	OW LED 48	48 W	55 W	700 mA	4000 K	8600 lm	7500 lm	136 lm/W	0.16 m <sup>3</sup>	5.1 kg
2109033/6/.. <sup>a</sup>	OW LED 48	48 W	55 W	700 mA	5000 K	8600 lm	7500 lm	136 lm/W	0.16 m <sup>3</sup>	5.1 kg
2109034/1/.. <sup>a</sup>	OW LED 60	60 W	67 W	800 mA	2700 K	8100 lm	7100 lm	106 lm/W	0.16 m <sup>3</sup>	5.1 kg
2109034/3/.. <sup>a</sup>	OW LED 60	60 W	67 W	800 mA	3500 K	8500 lm	7400 lm	112 lm/W	0.16 m <sup>3</sup>	5.1 kg
2109034/4/.. <sup>a</sup>	OW LED 60	60 W	67 W	800 mA	4000 K	10000 lm	8800 lm	131 lm/W	0.16 m <sup>3</sup>	5.1 kg
2109034/6/.. <sup>a</sup>	OW LED 60	60 W	67 W	800 mA	5000 K	10000 lm	8800 lm	131 lm/W	0.16 m <sup>3</sup>	5.1 kg
2109035/1/.. <sup>a</sup>	OW LED 72	72 W	79 W	1000 mA	2700 K	9400 lm	8200 lm	105 lm/W	0.16 m <sup>3</sup>	5.1 kg
2109035/3/.. <sup>a</sup>	OW LED 72	72 W	79 W	1000 mA	3500 K	9900 lm	8700 lm	111 lm/W	0.16 m <sup>3</sup>	5.1 kg
2109035/4/.. <sup>a</sup>	OW LED 72	72 W	79 W	1000 mA	4000 K	11600 lm	10200 lm	129 lm/W	0.16 m <sup>3</sup>	5.1 kg
2109035/6/.. <sup>a</sup>	OW LED 72	72 W	79 W	1000 mA	5000 K	11600 lm	10200 lm	129 lm/W	0.16 m <sup>3</sup>	5.1 kg

<sup>1</sup>) tolerance +/- 5% due to LEDs accuracy

<sup>2</sup>) symbol of chosen optical systemeg. 2109033/6/T2 is OW LED 48 5000K with T2 optical system

## DIRECTIVES AND STANDARDS

**DIRECTIVES:** 2014/35/UE (Official Journal of the UE L 96/357 29.03.2014), 2014/30/UE (Official Journal of the UE L 96/79 29.03.2014), 2011/65/UE, 2009/125/EC  
**STANDARDS:** PN-EN 60598-1: 2015, PN-EN 60598-2-3: 2006, PN-EN 60529: 2003, PN-EN 62262: 2003, PN-EN 62471: 2010, PN-EN 55015: 2013, PN-EN 61547: 2009, PN-EN 61000-3-2: 2014, PN-EN 61000-3-3: 2013

## CHARGING DISCHARGE FROM THE LED LUMINAIRE HOUSING

In order to efficient discharge the electrostatic charge from the housing of LED fitting installed on the pole from dielectric material (non-conductive) one of the following solutions is required:

- functional grounding
- LED luminaire with an additional protection device