

ESL M4R / M9R / M16R



ESL M4R



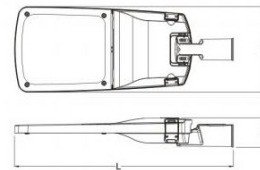
ESL M9R



ESL M16R

A modern, high-quality street/road light range for demanding applications with excellent light distribution and good efficiency. The wide range extends up to the M3 road class. The standard model has a Zhaga Book 18 ed. 2 connector for an external sensor or wireless control. 3-pin input connector (230 V 3x2.5 mm²), blade connector for safe installation and maintenance. The factory-installed differential pressure valve prevents condensation. The luminaire has an adjustment range of +/- 15 degrees.

The light fitting features an intelligent connecting device. It is installed on a 60 mm vertical or horizontal beam and uses the accessory C2 Smart Light SmartLumo Z wireless transmitter for remote control (Zhaga compatible).



Compatible C2 SmartLumo Z wireless transmitter.



Factory-installed Zhaga Book 18 ed. 2 connector.

LIGHTING INFORMATION

Light source: LED
 Efficiency: 130 lm/W
 Colour rendering index: RA ≥ 70
 Light source cover: Tempered glass
 Enclosure: IP66
 Impact resistance: IK08
 Supply voltage: 220-240 VAC
 Frequency: 50-60 Hz
 PF: > 0.95
 THD: <10%
 Overvoltage protection: 10 kV L/N-Ground
 Connection: Internal terminal strip

Control: StepDIM, AstroDIM, DALI-2
 Colour: RAL 7024 (dark grey)
 Frame material: Aluminium/tempered glass
 Warranty: 7 years
 Protection category: I
 Standard lighting control: CLO
 Operating temperature: -40°C ... +50°C
 AUX output: 24 VDC
 Optional: C2 SmartLumo Z and Zhaga Book 18 ed. 2 connector

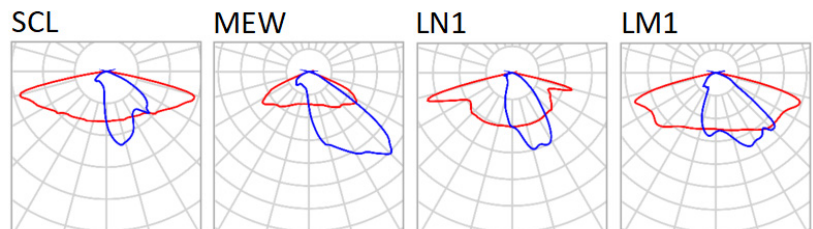
DIMENSIONS

Light	Length	Width	Height	Weight
M4R	577 mm	233 mm	103 mm	4,0 kg
M9R	627 mm	271 mm	103 mm	5,0 kg
M16R	768 mm	301 mm	103 mm	6,5 kg

M4R up to 8 m pole height
 M9R up to 10 m pole height
 M16R up to 12 m pole height

LIGHT TECHNICAL PROPERTIES

Pedestrian roads - C15021_STRADA-2X2-SCL
 Wet roads - C15594_STRADA-2X2-MEW
 Narrow roads - C17446_STRADA-2X2-LN1
 Collector roads - C16926_STRADA-2X2-LM1



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ELECTRICAL NO. (FI)	PRODUCT CODE	TYPE	VOLTAGE	POWER INPUT	LIGHT SOURCE	IP-CLASS	MOUNTING
4543506	ESL M4R	Road luminaire	230V	40W*	LED	66	VERTICAL / TRANSVERSE
4543507	ESL M9R	Road luminaire	230V	80W*	LED	66	VERTICAL / TRANSVERSE
4543508	ESL M16R	Road luminaire	230V	160W*	LED	66	VERTICAL / TRANSVERSE

*Adjustable



ESL M4 specification sheet



Member of Lagercrantz Group.

ESL road/street light series specification sheet for the designer use.

ESL M4	Drive current (mA)	Chip efficiency (lm/W)	Driver power factor (Pf)	Power (W)	Luminaire efficiency (LPW)	Lumen output (lm)
	200	195	0,92	9,0	135	1206
	250	191	0,93	11,2	133	1492
	300	187	0,93	13,4	130	1753
Efficiency area	350	184	0,94	15,7	130	2034
	400	182	0,94	17,9	128	2299
	450	179	0,95	20,2	128	2571
	500	177	0,95	22,4	126	2825
	550	174	0,96	24,6	125	3087
	600	172	0,96	26,9	124	3329
	650	170	0,97	29,1	124	3601
	700	168	0,97	31,4	122	3833
	850	163	0,98	38,1	120	4562
	1000	158	0,99	44,8	117	5256

* Table is based on the actual luminaire flux measurements

** Exilight reserves a right to adjust values shown in the table.

Exilight Oy

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ESL M9 specification sheet



Member of Lagercrantz Group.

ESL road/street light series specification sheet for the designer use.

ESL M9	Drive current (mA)	Chip efficiency (lm/W)	Driver power factor (Pf)	Power (W)	Luminaire efficiency (LPW)	Lumen output (lm)
	200	195	0,92	20,2	135	2713
	250	191	0,93	25,2	133	3357
	300	187	0,93	30,2	130	3944
Efficiency area	350	184	0,94	35,3	130	4577
	400	182	0,94	40,3	128	5173
	450	179	0,95	45,4	128	5785
	500	177	0,95	50,4	126	6356
	550	174	0,96	55,4	125	6946
	600	172	0,96	60,5	124	7490
	650	170	0,97	65,5	124	8103
	700	168	0,97	70,6	122	8624
	850	163	0,98	85,7	120	10265
	1000	158	0,99	100,8	117	11825

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ESL M16 specification sheet



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ESL road/street light series specification sheet for the designer use.

ESL M16	Drive current (mA)	Chip efficiency (lm/W)	Driver power factor (Pf)	Power (W)	Luminaire efficiency (LPW)	Lumen output (lm)
	200	195	0,92	35,8	135	4822
	250	191	0,93	44,8	133	5968
	300	187	0,93	53,8	130	7012
Efficiency area	350	184	0,94	62,7	130	8136
	400	182	0,94	71,7	128	9197
	450	179	0,95	80,6	128	10285
	500	177	0,95	89,6	126	11300
	550	174	0,96	98,6	125	12348
	600	172	0,96	107,5	124	13315
	650	170	0,97	116,5	124	14406
	700	168	0,97	125,4	122	15331
	850	163	0,98	152,3	120	18249
	1000	158	0,99	179,2	117	21023

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