





The MS LUX lighting solutions are the perfect choice.





Light Data

Luminous flux	6060 - 11220 lm
Correlated color	3000 К (2200/2700/4000 К
temperature (CCT)	options)
Luminous efficacy	141 – 157 lm/W
Colour rendering index (CRI)	> 70, (80 option)
Protective cover	Flat tempered glass
Glass thickness	4 mm – IK08 (option)
	5 mm – IK09 (option)
LED lifetime L98B10	> 100 000 h
SDCM (McAdam)	< 5
ULOR	0% (full cutoff)
UV radiation	0%
Warm-up time	< 0,5 s
Lens type	Individual asymmetric

Certificates, Standards

CE mark	Yes
NEC license	Yes
NEC+ license	Yes
MC certificate	Yes
VD certificate	Yes
NV certificate	Yes
Nech. Impact protection code	IK08
	IK09
ngress protection code	IP66
/ibration certificate	Yes
alz mist certificate	Yes
RoHS compliant	Yes
Varranty	6 years
Possibility of extending the	Yes
varranty	

Electrical Data

Controls and Dimming

Input voltage	220-240 V AC	Autonomous control	Virtual midnight
Frequency	50-60 Hz	Dimming	DALI-2, D4i,
Power factor	> 0,95	=	Time dimming
Electrical protection class	Class I, Class II	Control range	10-100 %
Ambient temperature	- 40 ° C + 55 ° C	Dim-to-off	Yes
Overvoltage protection (kV)	CM – 10 kV (min) 15kV (max)	CLO system (option)	Yes
options	DM – 10 kV (min) 20 kV (max)	Wireless driver programming	NFC
Zhaga (according to Zhaga	Yes	9	
book 18)			

Mechanical Data

Housing material	Die-cast aluminium	
Corrosion protection	Electrostatically applied	
	powder/paint	
Cooling system	Passive	
Knife switch	Yes	
Lens material	PMMA, PC	
Color (RAL)	Grey (RAL 7046 + RAL 9003)	
Opening the housing without	Yes	
tools		
Modular design	Yes	
Gasket	Silicone	
Max. surface exposed to	0,038 m²	
wind		





Other Data

Model	Power (W)	Luminous flux * (Im)	Luminous efficacy * (Im/W)	ССТ	CRI
City M	41	6400	157	3000	>70
City M	56	8550	151	3000	>70
City M	61	9250	153	3000	>70
City M	76	11220	149	3000	>70

 $\ensuremath{^*}$ The results depend on the type of optics (3000K)

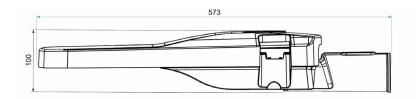


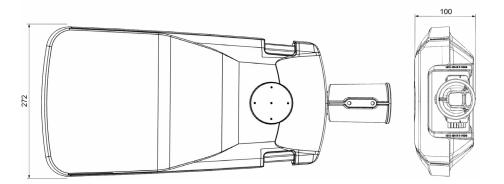
Dimensions

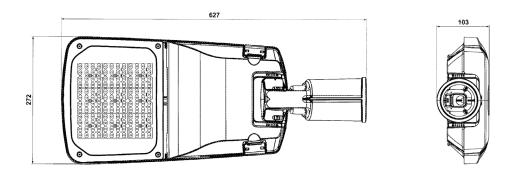
Model	Width (mm)	Length (mm)	Height (mm)	Ø Pole (mm)	Weight (kg)
City M	272	573	100	Ø48*, Ø60*	5,5
City M	272	627	103	Ø48*, Ø60*	5,5

* on request

City M







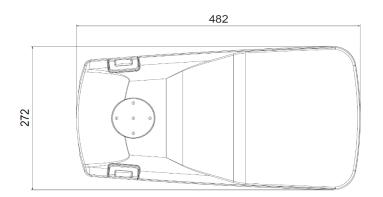


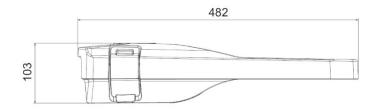


Dimensions (without bracket)

Model	Width (mm)	Length (mm)	Height (mm)	Ø Pole (mm)	Weight (kg)
City M	272	482	103	Ø48*, Ø60*	5,0

*on request







Connecting and disconnecting the lamp and all its parts MUST be done in a de-energized state.

Installation

- 1. The cable for powering the lamp comes out of the lamp neck, where:
 - L brown
 - N blue
 - Grounding (GND) yellow green
- 2. Bring the NN network's connecting cable to the lamp's neck. If an additional bracket (arm) is used, pass the cable through the bracket (arm).

The lamp is connected directly to the network with the supplied cable 3x1 mm² (rubber) or via the connecting connector WAGO 294-5013. The cable is connected to the network, made with a self-supporting cable bundle, to one phase (one conductor of the public lighting network L1-L2 or L1-L3 or L2-L3) and alternately to two-phase conductors intended for powering the public lighting. A slip-on + plug is provided for manipulation. The N-conductor is used for consumer networks. For a network made with five bare conductors, the cable is connected to the public lighting conductor the common N-conductor of the consumer network, and the public lighting network.

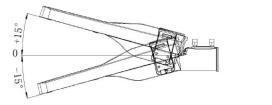
- 3. Connect the phase (L), neutral (N), and ground (GND) wires properly using terminal blocks. The working clamps are not supplied completely with the lamp.
- 4. When mounting the lamp, additionally check whether the protective cover of the Zhaga socket is properly attached.
- Attach/mount the lamp to the post or support (arm) by tightening the screws located on the neck of the lamp (2xM8 screws).
 The lamp is placed directly on the pole (top) or support (arm), in the position shown in the pictures.



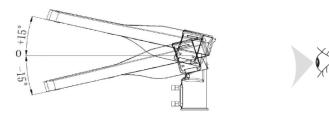
Mounting on a bracket (arm)

Pole mounting

7. If necessary, change the inclination of the lamp on the pole or support (arm) by adjusting the lamp door (in the range from - 15° to +15°), for mounting on the arm (in the range from -15° to +15°).

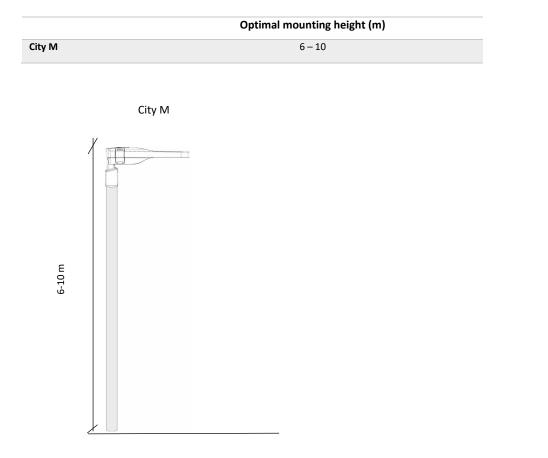


-15°, 0°, 15°



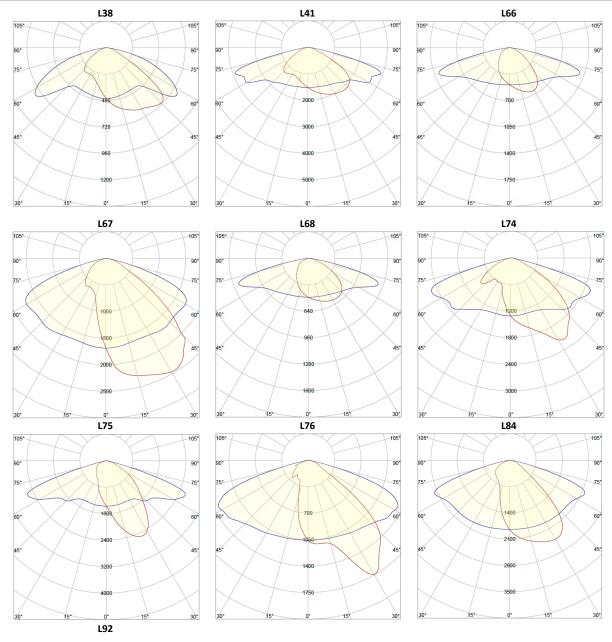
-15°, 0°, 15°

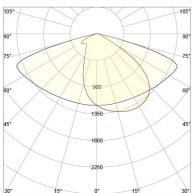






TYPICAL LIGHT DISTRIBUTIONS







Lamp Maintenance

The lamp is designed in a modular way so that in case of failure of individual parts, they can be replaced without disassembling the entire lamp from the pole or support (arm).

For this purpose, the lamp is designed so that it is possible to open the housing without the use of tools. If maintenance is carried out without dismantling, the lamp must not be opened during bad weather conditions to prevent moisture condensation inside the lamp.

Before closing the protective cover, the inside of the lamp should be wiped with a dry, soft cloth. In doing so, it is necessary to check the condition of the seal of the protective cover and replace it if it has been damaged.

Installation and maintenance

Lamps can only be installed/disassembled by qualified persons, authorized by the manufacturer.

If an unauthorized person performs assembly/disassembly, the warranty on the lamps is lost.

The standard warranty on lamps is 6 years unless otherwise indicated.

Lamps can only be serviced by the manufacturer or an authorized service center.

The light source inside the light fixture can only be serviced by the manufacturer, an authorized service technician, or another qualified person authorized by the manufacturer.

Torque in Nm applied to any screw securing the lamp to the pole: 3Nm.

Manufacturer and authorized servicer

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