



# URBAN VX

Road lighting, LED lighting

## LIGHT WITH STYLE: MS LUX AMBIENT LIGHTING

Modern LED pendant, adaptable for use in both road and decorative lighting of promenades, squares, parks and other spaces. Elegantly installed with a suspension cable. This light fitting offers flexibility in control, adapting to different user preferences and needs.



## Light characteristics

Luminous flux	3800 – 9200lm
Colour temperature (CCT)	3000 K (2200/2700/4000 K option)
Luminous efficacy	117 – 128lm/W
Colour rendering index (CRI)	> 70, (80 option)
Protective cover	Flat tempered glass
Glass thickness	4mm
LED lifetime L90B10	> 100,000h
SDCM (McAdam)	< 5
ULOR	0% (full cutoff)
UV radiation	0%
Warm-up time	< 0.5s
Lens type	Individual asymmetric/symmetric

## Certificates, Standards

CE marking	Yes
ENEC license	Yes
EMC certificate	Yes
LVD certificate	Yes
ENV certificate	Yes
Impact resistance	IK 09
Resistance to water and dust penetration	IP 66
Vibration certificate	Yes
Salt mist certificate	Yes
RoHS	Yes
Warranty	6 years
Possibility of extending warranty	Yes

## Electrical characteristics

Input voltage	220-240V AC
Operating frequency	50-60Hz
Power factor	> 0.95
Electrical protection class	Class I, Class II
Ambient temperature	-35°C +55°C
Overvoltage protection kV (options)	CM – 10kV DM – 10kV
Zhaga (from Zhaga Book 18)	No

## Control

Autonomous control	AstroDim
Luminous flux control	DALI-2
Control range	10-100%
Dim-to-off	Yes
Built-in CLO system (option)	Yes
Wireless driver programming	NFC

## Mechanical characteristics

Housing material	Die-cast aluminium
Corrosion protection	Electrostatic coating powder/paint
Cooling system	Passive-internal radiator, External flat heat dissipator
Outer surface	Slightly inclined to achieve self-cleaning effect
Power off switch	No
Clips, fasteners, screws material	Inox
Lens material	PMMA
Colour	Grey (RAL 7046 + RAL 9003)
Opening the housing without tools	Yes
Light fitting housing gaskets	Silicone
Max. surface exposed to wind	0.045m <sup>2</sup>



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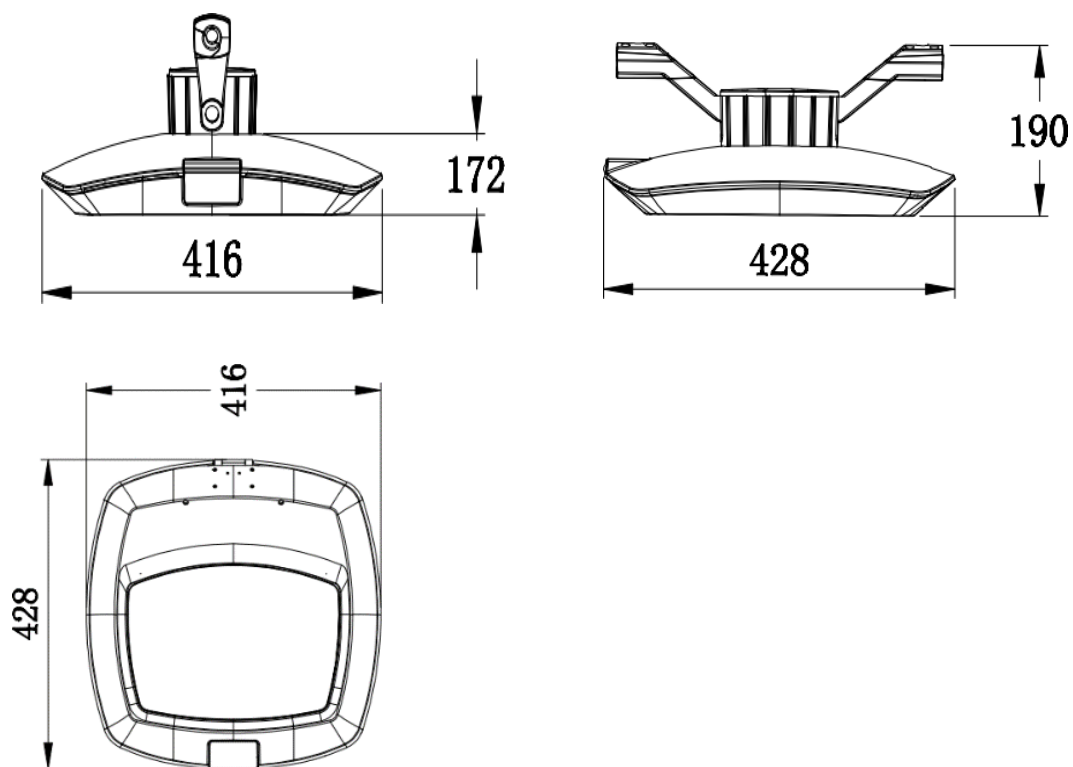


## Other characteristics

Model	Light fitting power (W)	Luminous flux (lm)	Efficacy (lm/W)	CCT	CRI
Urban VX	20 - 80	3800 - 9200	117 - 128	3000	>70

## Dimensions

Model	Width (mm)	Length (mm)	Height (mm)	Mass (kg)
Urban VX	416	428	172	6.3



**Connecting and disconnecting of the light fitting and all its parts MUST be done in a voltage-free state.**

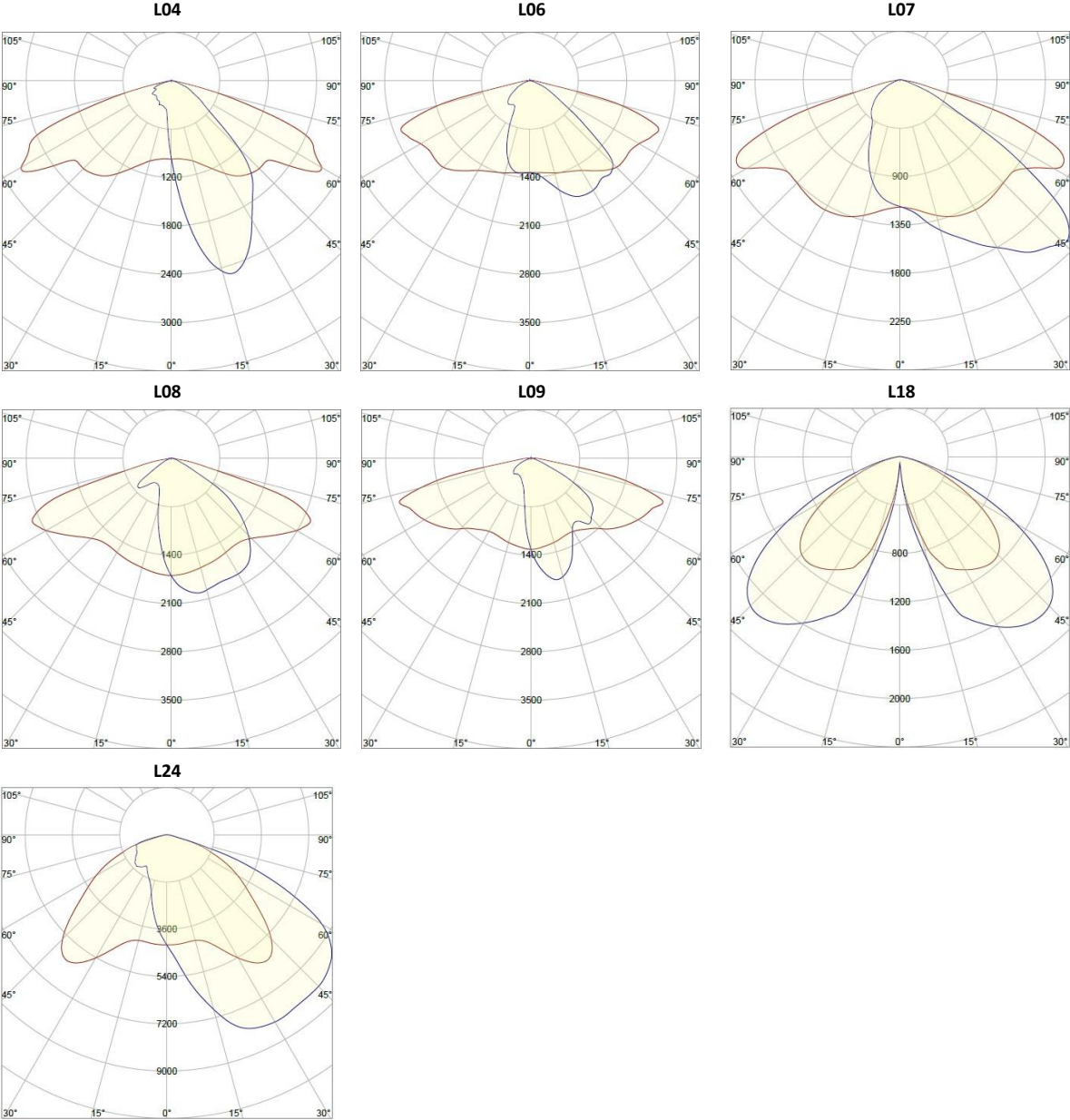
## **Mounting the light fitting**

1. The light fitting power cord comes out of the light fitting door, where:
  - L – brown
  - N – blue
  - Grounding (GND) – yellow green
  
2. Bring the LV mains connection cable to the light fitting door. If an additional bracket (arm) is used, run the cable through the bracket (arm). The light fitting is connected directly to the mains with the included 3x1mm<sup>2</sup> cable (rubber) or via the WAGO 294-5013 connector. The cable is connected to the network, made with a self-supporting cable bundle, to a single phase (one conductor of the public lighting network L1-L2 or L1-L3 or L2-L3), and this is done alternately to two phase conductors intended for powering public lighting. An outlet +inlet plug is provided for manipulation. The N-conductor is used for consumer networks.  
For a network built with five bare conductors, the cable is connected to the public lighting conductor and a common N-conductor of the consumer network and the public lighting network.
  
3. Using terminal blocks, connect the phase (L), zero (N) and grounding (GND) wires correctly. The terminal blocks are not included with the light fitting.
  
4. Possibility of mounting on the suspension cable/steel rope by tightening the screws located on the light fitting neck (2xM8 screws).

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## TYPICAL LIGHT DISTRIBUTION



## **Light fitting maintenance**

Maintenance must be done in a voltage-free state, protected against accidental switching on.

If maintenance is carried out without dismantling, the light fitting must not be opened during bad weather to avoid condensation of moisture inside the light fitting.

Before closing the protective cover, the interior of the light fitting should be wiped with a dry soft cloth. In doing so, it is necessary to check the condition of the protective cover gasket and replace it if damaged.

## **Installation and maintenance**

The light fittings may only be installed/dismantled by qualified persons authorised by the manufacturer.

In the event that the installation/dismantling is carried out by an unauthorised person, the light fitting warranty is lost.

The standard light fitting warranty is 6 years unless otherwise indicated.

The light fittings may only be serviced by the manufacturer or by an authorised repairer.

The light source located inside the luminaire may only be serviced by the manufacturer, an authorised repairer or another qualified person authorised by the manufacturer.

Torque in Nm applied to any screw fixing the light fitting to the mast: 3Nm.

## **Manufacturer and authorised repairer**

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