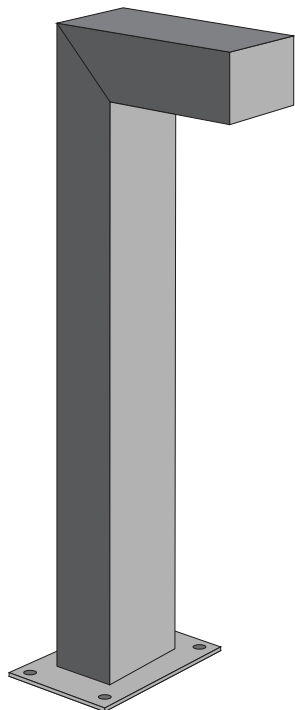


City Bollard NG

Installation guide



⚠ WARNINGS

The installation of this lighting bollard fixture and all operations performed during installation must be carried out in accordance with national safety practices. Installation and commissioning of the product should only be carried out by a professional electrician. The manufacturer cannot be held responsible for any damage or problems that may occur due to incorrect installation or misuse. In case of any modification to the product, the responsibility arising from such changes will belong to the person/institution making the modification.

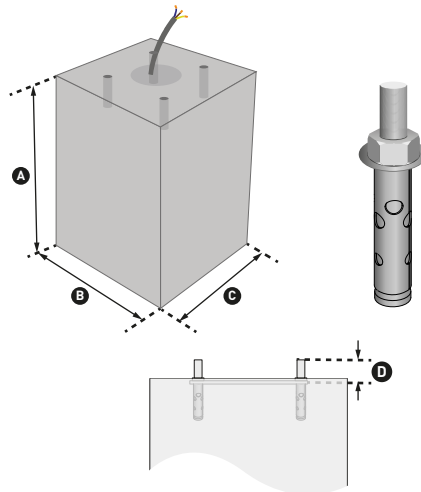
1 ANCHORAGE AND CONCRETE DETAILS

For a safe and durable bollard installation, pour the concrete according to the specified dimensions. Before the concrete hardens, place the anchorage template and rods into the concrete in the correct position as shown in the reference drawing. On surfaces where concrete has already been prepared, the installation can be carried out safely and securely using steel dowels.

If you have ready-mix concrete, place the product on the concrete so that it lies flat. Use a spirit level to ensure it is level. Use a pencil to mark the holes for the steel anchors that will secure the product to the floor, then lift the product and drill the holes at the marked locations according to the anchors.

To ensure the main line electrical connection can be made safely, make sure that the electrical connection cable leaves a gap of at least 50 cm on the concrete surface.

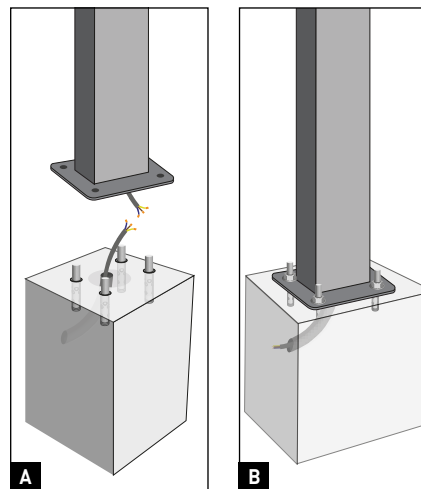
The anchorage set used during installation is not sent with the product.



2 PREPARING THE PRODUCT

When removing the product from its packaging, make sure you do not damage the product. Correctly place the flange provided with the bollard onto the previously prepared anchorage system.

Before fixing the flange, ensure that steel dowels mounted appropriately to the ground and all dowels are in the correct position.



3 INSTALLATION OF THE PRODUCT



Power must always be disconnected during installation. Before energizing the system, ensure that all safety precautions have been taken against potential problems.

Electrical Connection

ON/OFF

DALI

N (Blue)
⊕ (Green-Yellow)
L (Brown)

Brown: F Mavi : N
Green-Yellow: Earthing
Black: DALI (+)
Grey: DALI (-)

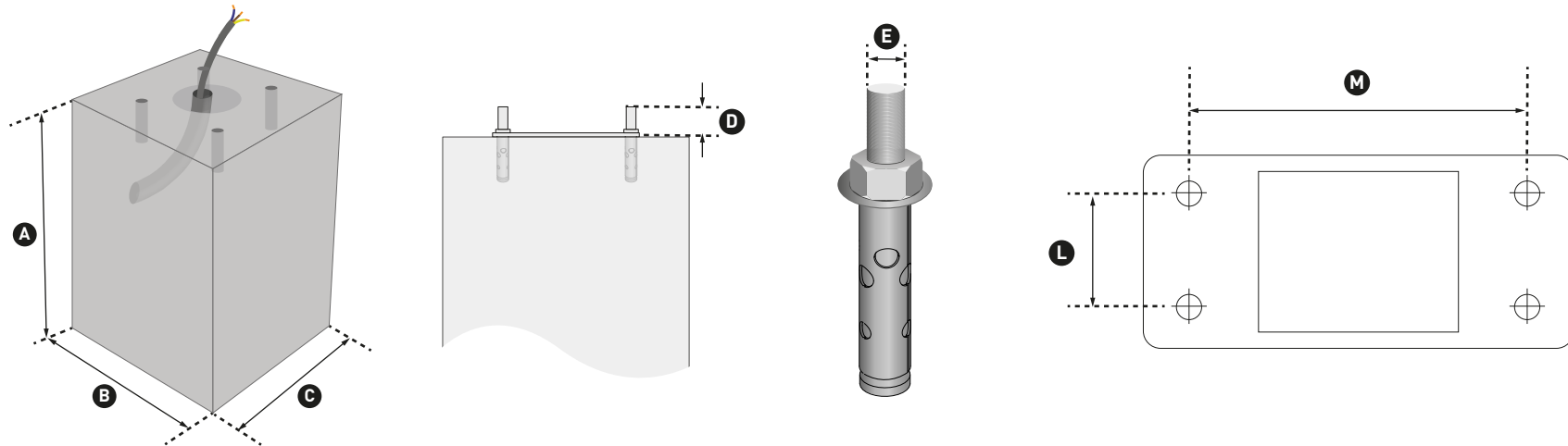
220-240V AC ~ 50-60Hz

City Bollard NG

Concrete and Anchorage Dimensions (Table 1)

Height	Concrete Dimensions			Steel Dowel Dimensions		Anchorage Hole Dimensions	
	A	B	C	D	E	L	M
300	300	300	300	20	Ø 8	90	140
500	300	300	300	20	Ø 8	90	140
750	300	300	300	20	Ø 8	90	140
1000	400	400	400	20	Ø 8	90	140
1500	500	400	400	20	Ø 10	100	180

All dimensions are given in millimeters (mm).



⚠ WARNINGS

Concrete and stud dimensions are provided as a reference for general use. However, the climate conditions of the installation area (e.g., wind load, snow load, temperature changes) and soil properties (e.g., hardness, bearing capacity, groundwater level) may require changes to these dimensions. Before installation, appropriate dimensions should be determined by considering the ground analysis and climate conditions of the region. If necessary, these values should be re-evaluated by an engineering consultancy or an expert team.

The anchor kit and dowels are not included with the product.