

### Installing on small cobbles or street surfaces/

Underlay the cobbles or paving with concrete. There must be no sand between the paving and the concrete. Drill the paving for expanders or chemical anchors. Installation with expander provides a removeable attachment. Installation with chemical anchors provides a permanent attachment.

### Installation on a concrete surface/

Drill the concrete for expander or chemical anchors. Installation with expander provides a removeable attachment. Installation with chemical anchors provides a permanent attachment.

### Installation on gravel or grass/

Excavate the ground for a concrete foundation. Cast a foundation in a concrete or cardboard pipe. The top of the foundation must end with a radius. Drill the foundation for expander or chemical anchors. Attach the foot to the foundation.

### Measures to avoid corrosion of bollards.

The corrosion that causes the paint to peel off powder coated bollards is mainly due to cracking corrosion that "creeps" between the paint layer and the metal. Onset probably begins in the edge of the hole and then spreads further.

### When installing.

Do not use the bollard as a drill template! The edge of the hole is then damaged, and corrosion may start. Use hot dip galvanized or stainless steel fasteners. Absolutely not electrogalvanized. Do not install the bollard so that it comes into contact with wet (unset) concrete.

Ensure that there is a distance between the bollard and the substrate, thus avoiding capillary action dragging in moisture between the foot and the substrate. Use appropriate spacers to ensure the distance (at least 3-4 mm), between plastic, stainless steel or hot dip galvanized tiles. If you want to be extra sure. Protect the hole edge by filling the cavity between the screw and the hole edge with protective grease or joint type Sikaflex during installation.

### Ö03-85M

A hole is dug into soil to a frost-free depth. Install a cast cardboard pipe on the ground surface. minimum diameter 150 mm. The length of the cardboard pipe must be adjusted so that it finishes approximately 50 mm under ground level. Install a pair of reinforcement bars cut off a few cm below ground level. Fill the pipe with concrete.

Put the Bollard in the casting pipe. The pole must reach down to 400 mm below ground level. Brace it vertically and laterally. Let the concrete set. Remove the bracing and refill the ground around the post.

## Specifications/

Ö03-85M	Blenda bicycle bollard for casting
Ö03-85N	Blenda bicycle bollard with foot plate
Ö03-85M/Ljus	Blenda bicycle bollard with lighting for casting
Ö03-85N/Ljus	Blenda bicycle bollard with lighting with foot plate
Ö03-85D	Driver (can operate 8-10 bollards)
U11-06	Starting cost choice of colour.

### Delivery specification/

Blenda bollard	1 pc
Blenda bollard with built-in fixture	1 pc

### Ö03-85N

Stand the bollard in place provisionally. Mark out the holes on the ground. Drill holes for suitable fasteners. The holes are 14 mm and intended for fixing with chemical anchors or expander M12.

### Installation on wood flooring/

Install with a French wood screw on wood flooring.

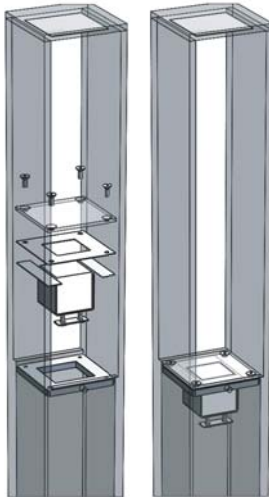
# Blenda

## Assembly Instructions

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### Installing lights on bollards/

For installation of light bulbs, an electrical installation is required and therefore a certified electrician is required when installing.

Blenda has a 1W LED light mounted to illuminate the cavity. The light source is powered by 24V and therefore requires an LED driver 240V to 24V for outdoor use. This is ordered separately as it can operate up to 10 bollards.

Connect electricity to all bollard points (Lighting only requires 24V).

The driver can be placed in one of the bollards, and the electricity should therefore be pulled to it.

The luminaire is fitted with 4 x M4 safety screws in each corner of the protective plastic. For the bollard to be cast down, it is easiest to mount the luminaires and install cables in the bollards before they are cast in place.

