



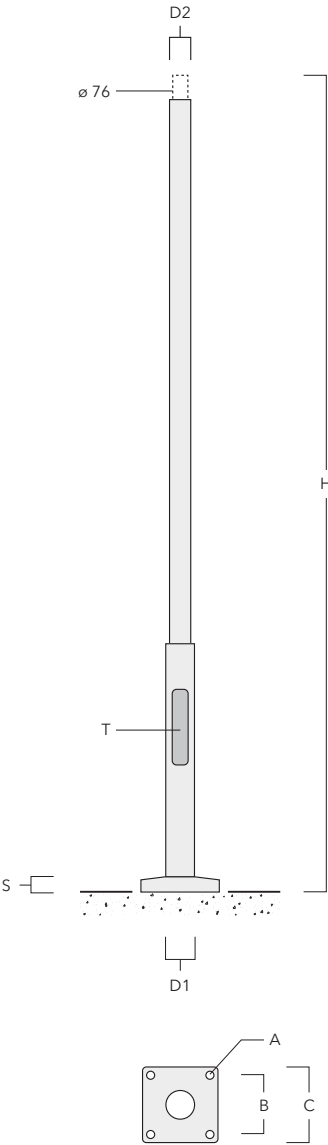
WE-EF LEUCHTEN

Installation and Maintenance
Instructions

Pole

AML-A

AML-A



Pole – Stepped.		H	D1	D2	T	A	B	C	S	kg
270-9070	AML-A 30 140-90	3000	ø 140	ø 90	90 x 400	24	200	270	100	25.0
270-9071	AML-A 35 140-90	3500	ø 140	ø 90	90 x 400	24	200	270	100	26.5
270-9072	AML-A 40 140-90	4000	ø 140	ø 90	90 x 400	24	200	270	100	28.0
270-9073	AML-A 45 140-90	4500	ø 140	ø 90	90 x 400	24	200	270	100	29.5
270-9074	AML-A 50 140-90	5000	ø 140	ø 90	90 x 400	24	200	270	100	32.0
270-9075	AML-A 55 140-90	5500	ø 140	ø 90	90 x 400	24	200	270	100	33.5
270-9076	AML-A 60 140-90	6000	ø 140	ø 90	90 x 400	24	200	270	100	35.0

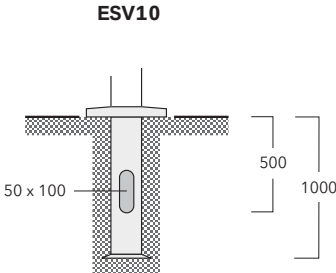
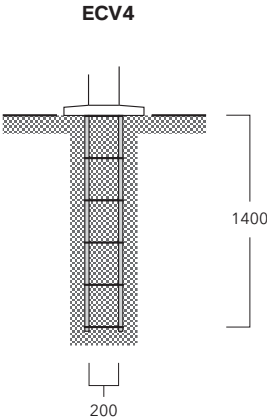
270-9077	AML-A 30 140-102	3000	ø 140	ø 102	90 x 400	24	200	270	100	26.0
270-9078	AML-A 35 140-102	3500	ø 140	ø 102	90 x 400	24	200	270	100	28.0
270-9079	AML-A 40 140-102	4000	ø 140	ø 102	90 x 400	24	200	270	100	29.5
270-9080	AML-A 45 140-102	4500	ø 140	ø 102	90 x 400	24	200	270	100	31.0
270-9081	AML-A 50 140-102	5000	ø 140	ø 102	90 x 400	24	200	270	100	33.0
270-9082	AML-A 55 140-102	5500	ø 140	ø 102	90 x 400	24	200	270	100	34.5
270-9083	AML-A 60 140-102	6000	ø 140	ø 102	90 x 400	24	200	270	100	37.5

The featured poles have been designed for safe installation and operation (in combination with WE-EF luminaires) in most common wind-load regions. For application in high wind-load regions, contact WE-EF or a certified engineer for structural calculations.

Accessories:

Rag bolt assembly – Galvanised steel.		kg
ECV4	270-9084	25.0

Planted root – Galvanised steel.		kg
ESV10	300-9109	34.7



Installation

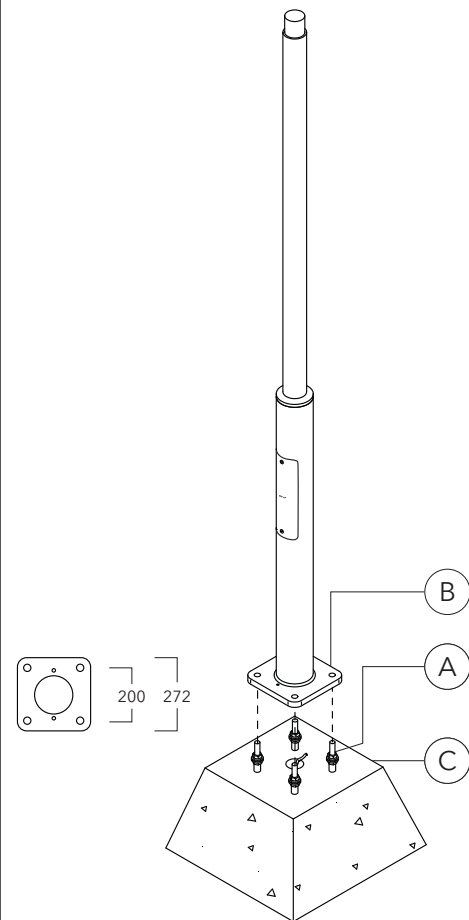
The product must be installed and maintained by a suitably qualified professional in compliance with latest building/construction and/or electrical regulations and relevant legislation.

The AML lighting column can be mounted either to a planted root, or to an anchor bolt assembly secured in a cast concrete foundation. It is assumed that the mounting option chosen has been designed and constructed to satisfy prevailing load, location and soil type conditions, and is ready to receive the AML column.

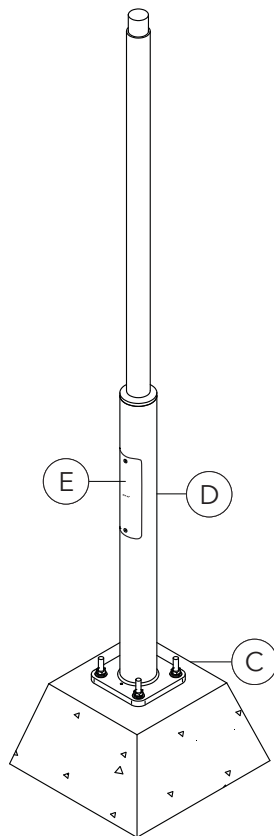
Claims based on defects attributable to improper installation, application, operation and/or any modification carried out by the purchaser or third parties, and the consequences thereof, are excluded.

Installation Procedure

- 1) Ensure M20 anchor bolts **A** (property class ≥ 8.8) suit hole pattern in flange plate **B**, protruding equally with at least 6.5 cm.

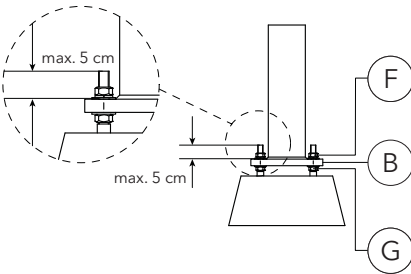


- 2) Position column **D** on mounting foundation surface **C** or any appropriate mounting fixture.
- Attention:** Column **D** can be installed in increments of 90 degrees. Ensure service door **E** faces towards road or pathway.

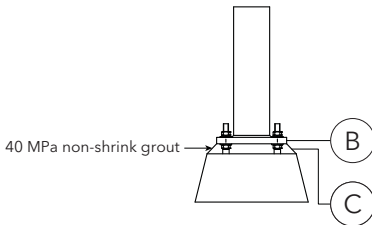


- 3) Ensure column is at required height and perpendicular to the ground via appropriate application, e.g. nuts/washers sets (lower set **F** and upper set **G**). AML-A allows 5 cm between top of flange plate and cover. Tighten nuts securely. Ensure not to damage column/surfaces.

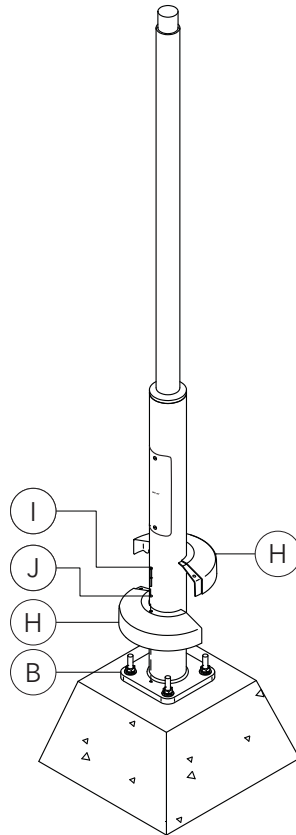
Attention: Nut/washer set **F** and **G** and flange plate **B** must be leveled to prevent undue mechanical stress.



- 4) Non-shrink grout with compression strength of 40 MPa can be used between flange plate **B** and foundation surface **C** for a neat finish.



- 5) Mount covers **H** over flange plate **B** and secure with screws **I** and washers **J**.





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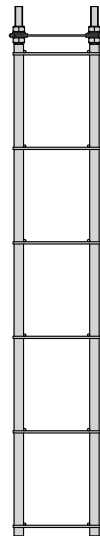
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Technical specifications are
subject to change.

WE-EF LEUCHTEN

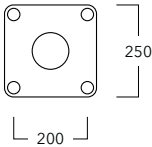
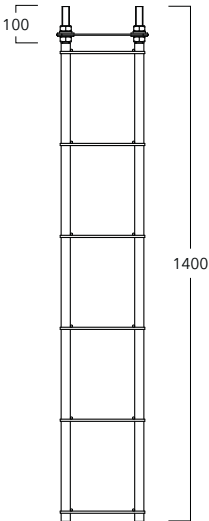
Installation and Maintenance
Instructions

Foundation Cage
ECV4



Foundation Cage

ECV4



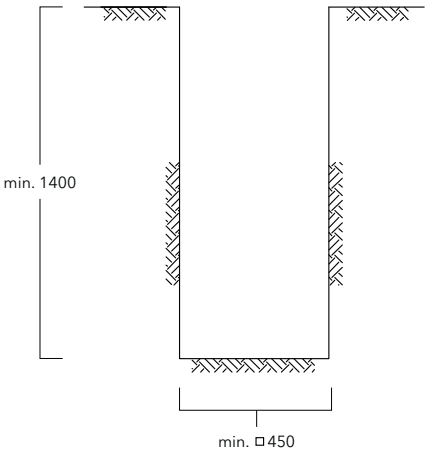
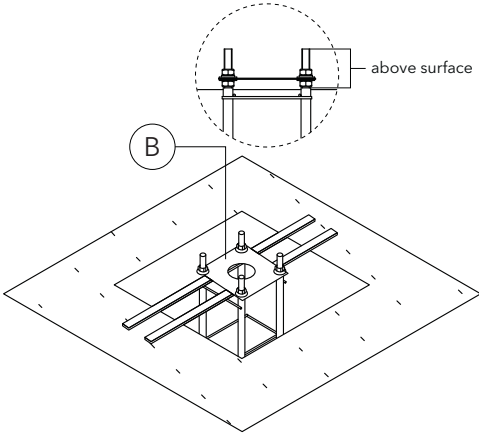
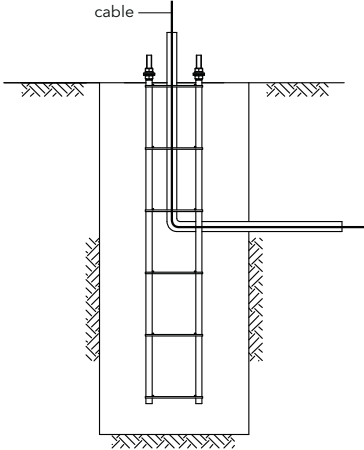
Installation Foundation Cage

The product must be installed and maintained by a suitably qualified person in compliance with the latest applicable regulations and relevant legislation.

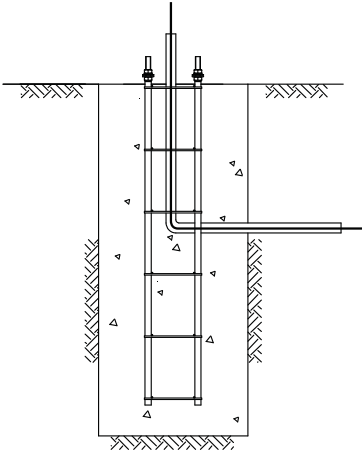
Claims based on defects attributable to improper installation, application, operation and/or any modification carried out by the purchaser or third parties, and the consequences thereof, are excluded.

Installation Procedure

It is the responsibility to installer to ensure the suitability of the ECV Foundation Cage for any local or national structural requirements for installation, and that foundation cage is suitable for site specific conditions. Instructions are a guideline for installation to these requirements and provide detail for installation orientation and mounting details.

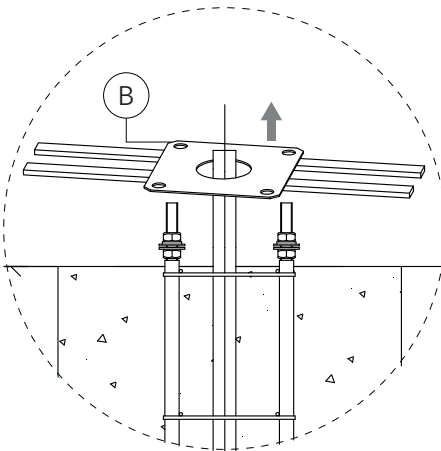
1) Excavate hole with the specified dimensions.  The diagram shows a cross-section of a rectangular excavation. The height is indicated by a vertical dimension line on the left, labeled 'min. 1400'. The width is indicated by a horizontal dimension line at the bottom, labeled 'min. □ 450'. The walls of the excavation are shown with hatching to indicate they are cut into the ground.	2) Check soil has a minimum bearing capacity of 150 kPa. This should be confirmed by a soil test to ensure that the foundation dimensions are correct.
3) Lower cage into the hole while keeping the cage suspended with a support (not provided by WE-EF). Ensure the lower end of the thread is level with the surface.  The diagram shows a 3D perspective view of the cage being lowered into the hole. A support structure, labeled 'B' in a circle, is used to suspend the cage. A callout shows a detail of the support structure, labeled 'above surface', which consists of two vertical posts and a horizontal beam. The cage is shown as a rectangular frame with a central vertical rod. The hole is shown as a rectangular pit in the ground.	4) Run underground electrical services.  The diagram shows a cross-section of the cage installed in the hole. A cable, labeled 'cable', runs vertically down the center of the cage. The cable has a horizontal section at the bottom of the cage. The cage is shown as a rectangular frame with a central vertical rod. The hole is shown as a rectangular pit in the ground.

- 5) Pour required volume of concrete with compression strength of 32 MPa into the hole. Fill hole to top.



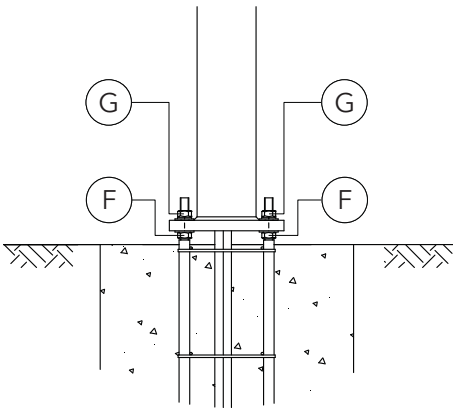
- 6) Allow the concrete to cure before mounting any column to cage.

- 7) After the concrete cured, remove plate **B** and support.

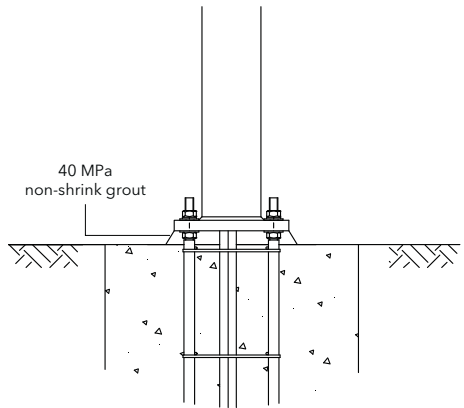


- 8) Position column on lower nuts/washer set **F** and adjust nuts/washers (both lower set **F** and upper set **G**) until column is at required height and perpendicular to the ground. Tighten nuts securely. Ensure not to damage column/surfaces.

Attention: Nut/washer set **F** and **G** and flange plate must be leveled to prevent undue mechanical stress.



- 9) Excess thread may be cut but leave one clear thread above the nut after tightening. Non-shrink grout with compression strength of 40 MPa can be used for a neat finish.





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