

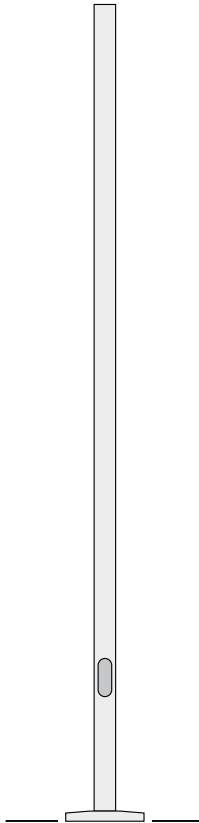
WE-EF LEUCHTEN

Installation and Maintenance
Instructions

Poles

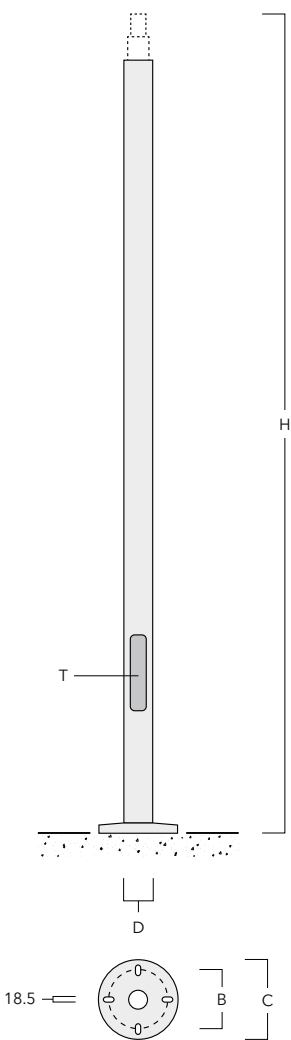
AML-C

AML-S



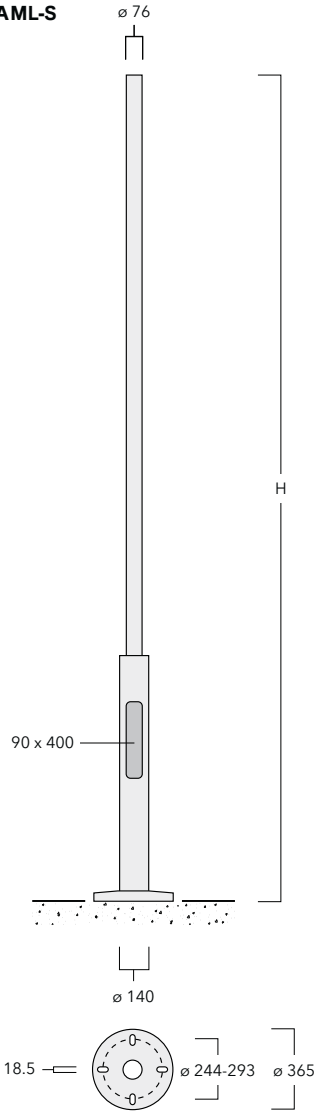
Poles

AML-C



	H	T	D	B	C
270-9041 AML-C 20 100	2000	75x200	100	ø 177-217	ø 295
270-9042 AML-C 25 100	2500	75x200	100	ø 177-217	ø 295
270-9044 AML-C 30 100	3000	75x200	100	ø 177-217	ø 295
270-9040 AML-C 25 140	2500	90x400	140	ø 244-293	ø 365
270-9043 AML-C 30 140	3000	90x400	140	ø 244-293	ø 365
270-9045 AML-C 35 140	3500	90x400	140	ø 244-293	ø 365

AML-S



	H
270-9060 AML-S 25	140-76 2500
270-9061 AML-S 30	140-76 3000
270-9062 AML-S 35	140-76 3500
270-9063 AML-S 40	140-76 4000
270-9064 AML-S 45	140-76 4500
270-9065 AML-S 50	140-76 5000

Accessories

Planted root		D
for AML-C	300-0824	100
for AML-C	300-0457	140
for AML-S	300-0457	140

Installation

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

Installation – Planted root (Fig. I)

- 1) Ensure M16 tapped holes **A** in flange plate are clean and free of debris.
- 2) Ensure mounting surface **B** is clean and free of debris.
- 3) Position column **C** on mounting surface **B**. Tighten holding down bolts **D** (with washers) in a criss-cross pattern. Ensure not to damage column/surfaces. Secure covers **E** with screws **F**.

Attention: Column **C** can be installed in increments of 90 degrees. Ensure service door **G** faces towards road or pathway, and that luminaire orientation is according to diagram (Fig. II).

Installation – Concrete foundation (Fig. II)

- 1) Ensure M16 anchor bolts **I** suit hole pattern in column flange plate **J**, with appropriate levelled protrusion from foundation surface **K**.
- 2) Position column **C** on mounting foundation surface **K**. Adjust nuts/washers (both lower set **L** and upper set **M**) until column is at required height and perpendicular to the ground. Tighten nuts securely. Ensure not to damage column/surfaces. Secure covers **E** with screws **F**.

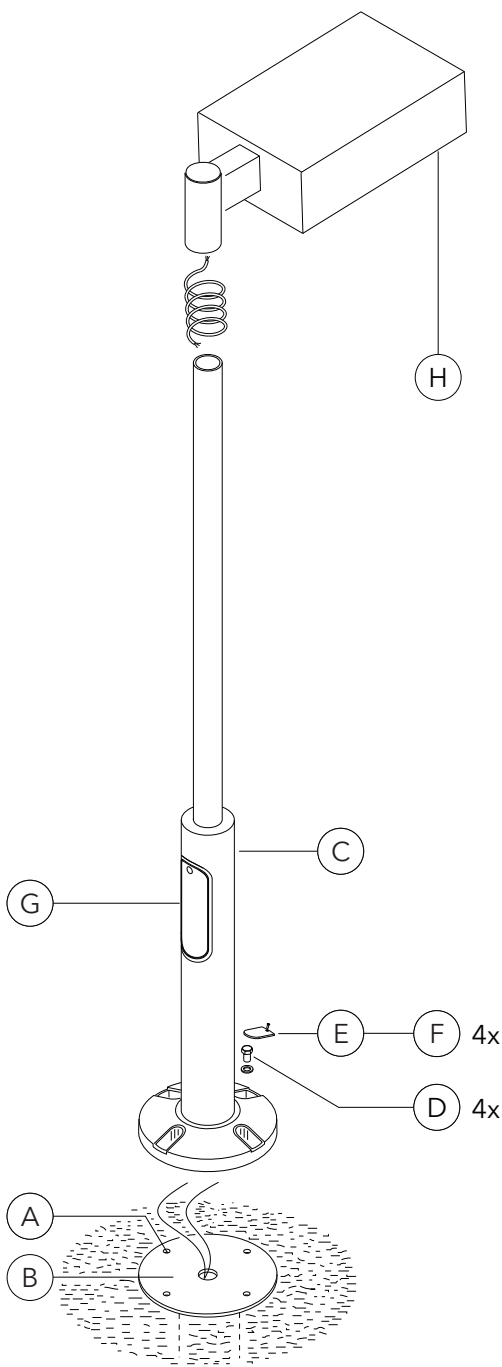
Attention: Column **C** can be installed in increments of 90 degrees. Ensure service door **G** faces towards road or pathway, and that luminaire orientation is according to diagram (Fig. III).

Attention: Nut/washer set **L** and **M** and flange plate **J** must be aligned and levelled, so as not to create undue mechanical stress.

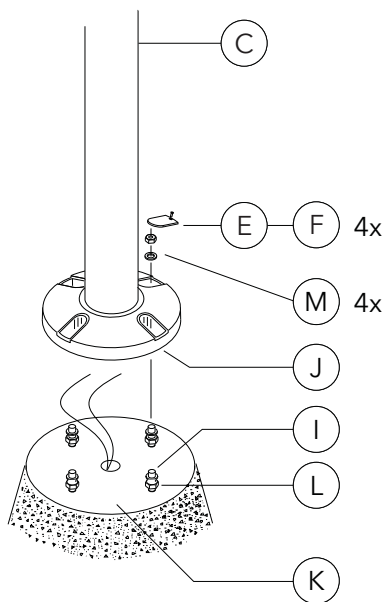
- 3) Provide solid, high strength grouting **N** between foundation surface **K** and flange plate **J** (Fig. II).

Luminaire orientation

Ensure that luminaire **H** is aimed along the axis of service door **G** (Fig. III).



Installation - Planted root



Installation - Concrete foundation

Fig. I Planted Root mounting details

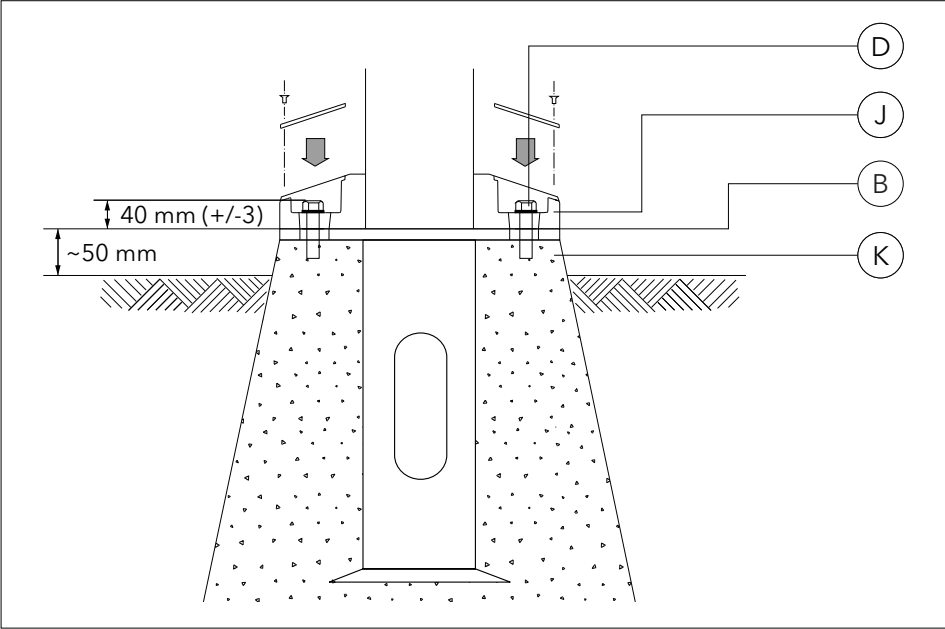


Fig. II Concrete foundation mounting – Flange plate and grouting details

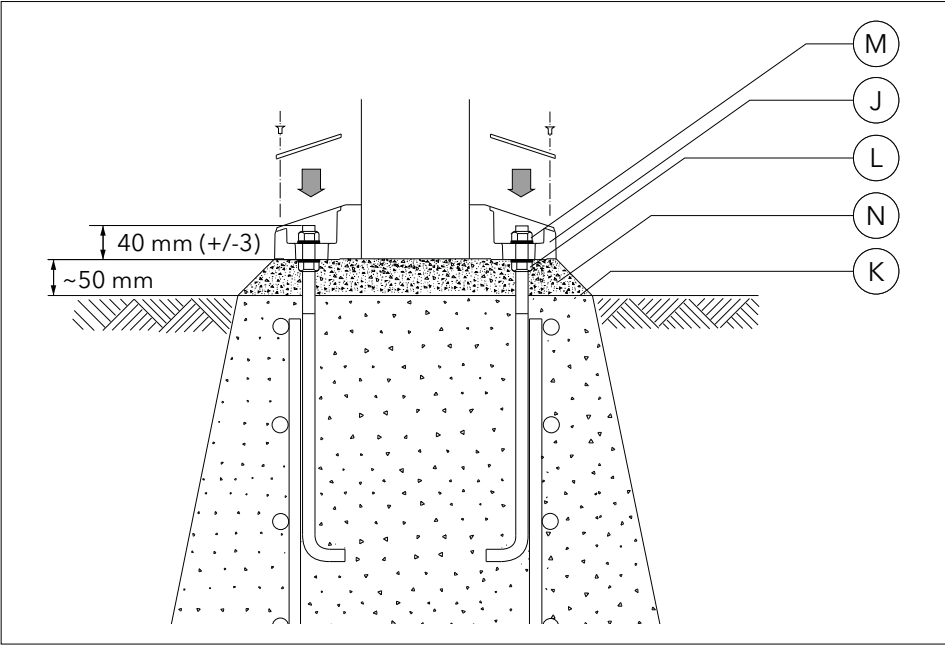
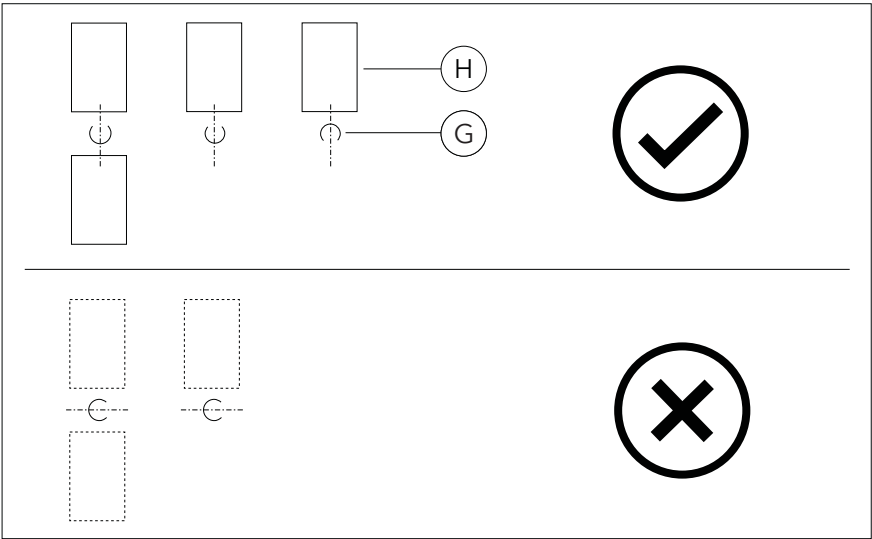


Fig. III Service door/luminaire orientation





www.we-ef.com

WE-EF LEUCHTEN

Germany

Tel +49 5194 909 0

Fax +49 5194 909 299

info.germany@we-ef.com

WE-EF LUMIERE

France

Tel +33 4 74 99 14 44

Fax +33 4 74 99 14 40

info.france@we-ef.com

WE-EF SWITZERLAND

Switzerland

Tel +41 22 752 49 94

Fax +41 22 752 49 74

info.switzerland@we-ef.com

WE-EF LIGHTING

Thailand

Tel +66 2 738 9610

Fax +66 2 175 2174

info.asiapacific@we-ef.com

WE-EF LIGHTING

Australia

Tel +61 3 8587 0444

Fax +61 3 8587 0499

info.australia@we-ef.com

WE-EF LIGHTING

United States of America

Tel +1 724 742 0030

Fax +1 724 742 0035

info.usa@we-ef.com

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Technical specifications are
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WE-EF LEUCHTEN

Installation and Maintenance
Instructions

Planted Root

ESV4

ESV6

ESZ4

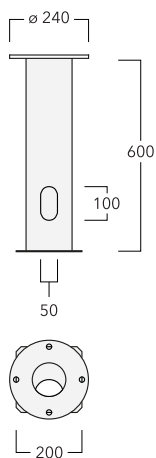
ESV4 300-0461 Suitability 1. KTX234 2. KTY234 3. ZFY230 4. GRY224 5. Short post	ESV4 300-0464 Suitability 1. CFY259 2. GRY234 3. RRY324 4. RRZ324 5. XRY324 6. XRZ324
ESV4 300-0586 Suitability 1. XRY334 2. XRZ334 3. RRY334 4. RRZ334	ESV4 300-0459 Suitability 1. QSI254

Planted Root

ESV6 300-0824

Suitability

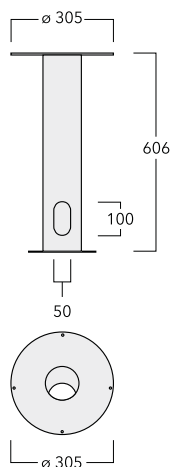
1. AML-C
2. FLA461



ESV6 300-0457

Suitability

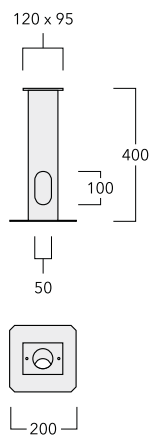
1. LTM440
2. LTM444
3. AMW-C
4. AMF-C
5. AMF-S
6. AML-C



ESZ4 300-9115

Suitability

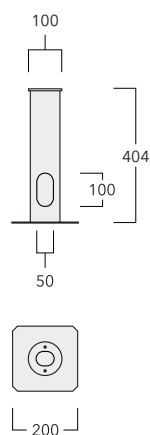
1. PSY414/424



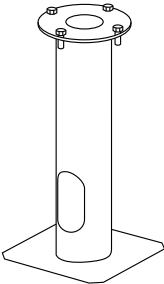
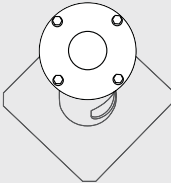
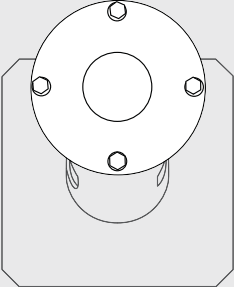
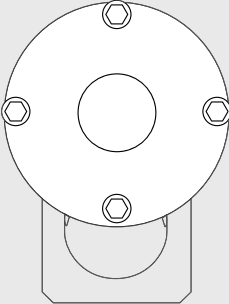
ESZ4 300-9090

Suitability

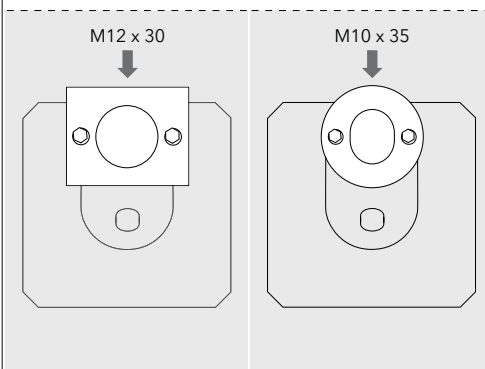
1. MRY224



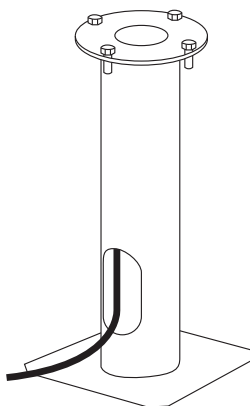
Installation Instruction

1) Note: It is the responsibility to installer to ensure the suitability of the ESV/ESZ planted root for any local or national structural requirements for installation, and that planted root is suitable for site specific conditions. Instructions are a guideline for installation to these requirements and provide detail for installation orientation and mounting details. 	2) Please note, ESV4 and ESV6 must be orientated correctly for different products. In both instances conduit entry can be rotated to match cable routing. When the ESV is being installed for following products: KTY234/KTX234/ZFY230/CFY259/FLA461, please orientate the planted root as shown (base plate is at an angle of 45° to the pathway). For this installation, use the 40 mm long M8 bolts supplied. 
3) For all other product that use ESV4 please orientate planted root as shown (base plate is parallel to the pathway). For this installation, use 25 mm long M8 bolts supplied. 	4) For all other product that use ESV6 please orientate planted root as shown (base plate is parallel to the pathway). For this installation, use 40 mm long M16 bolts supplied. 

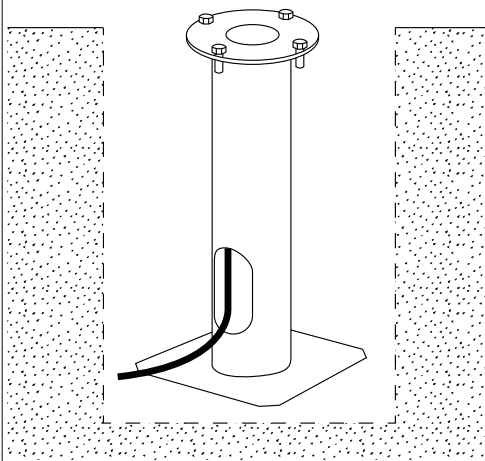
- 5) For ESZ4 please orientate planted root as shown (base plate is parallel to the pathway). For this installation, use 30 mm long M12 bolts for PSY planted root and 35 mm long M10 bolts for MRY planted root.



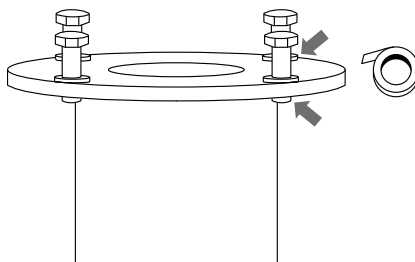
- 6) Orientate ESV/ESZ as required and fit electrical connections/conduit.



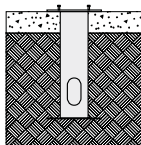
- 7) Place the ESV/ESZ in the form work for concrete pad, ensuring orientation, position and levels are correct. Ensure all openings on ESV/ESZ are blanked off, including mounting plate hole.



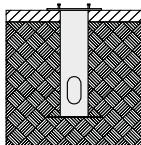
- 8) Fit the nominated bolts through mounting flange. Ensure several threads feed through the plate and tape off top and bottom. Bolts are inserted to protect threads off plate and need to be removed for fitting installation after setting the ESV/ESZ.



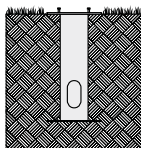
- 9) Pour concrete to desired level depending on requirement of concrete, paver or soil. Ensure that for any installation mounting flange must be flush or higher than surrounding surface level.



Concrete

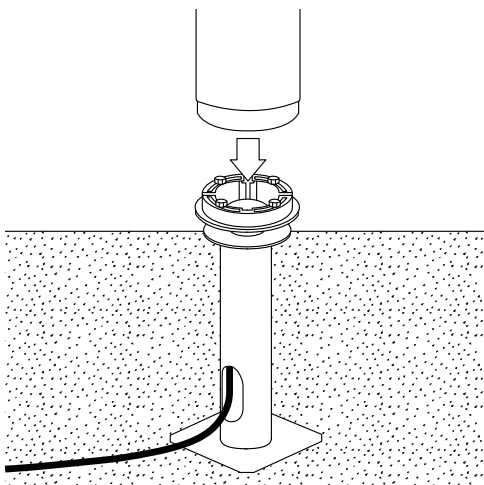


Paver



Soil

- 10) After concrete has cured for specified time, remove blanking and bolts. Install fitting (as per luminaire instructions) onto mounting flange.





www.we-ef.com

WE-EF LEUCHTEN

Germany

Tel +49 5194 909 0

Fax +49 5194 909 299

info.germany@we-ef.com

WE-EF LUMIERE

France

Tel +33 4 74 99 14 44

Fax +33 4 74 99 14 40

info.france@we-ef.com

WE-EF HELVETICA

Switzerland

Tel +41 22 752 49 94

Fax +41 22 752 49 74

info.switzerland@we-ef.com

WE-EF LIGHTING

Thailand

Tel +66 2 738 9610

Fax +66 2 175 2174

info.asiapacific@we-ef.com

WE-EF LIGHTING

Australia

Tel +61 3 8587 0444

Fax +61 3 8587 0499

info.australia@we-ef.com

WE-EF LIGHTING

United States of America

Tel +1 724 742 0030

Fax +1 724 742 0035

info.usa@we-ef.com

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