

WE-EF LEUCHTEN

Installation and Maintenance Instructions



Bollard

XRY324 LED

XRY334 LED

RRY324 LED

RRY334 LED

XRZ324 LED

XRZ334 LED

RRZ324 LED

RRZ334 LED

GRY224 LED

GRY234 LED



Surge Protection

This product features built-in surge protection circuitry in compliance with applicable standards.

For comprehensive protection of a luminaire installation against lightning and electrical surges, it is essential to cover mains supply and data input lines at the distribution board level, by using respective primary (Type 1) and secondary (Type 2) surge arrestors in compliance with EN61643-11/ IEC61643-1.

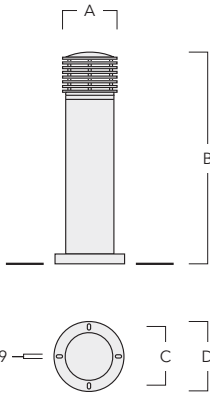
Warning

Ensure that all required surge protection measures are in place and activated prior to luminaire installation. Also, disconnect luminaires before operating high-power devices such as, for example, electrical arc welders.

Bollard

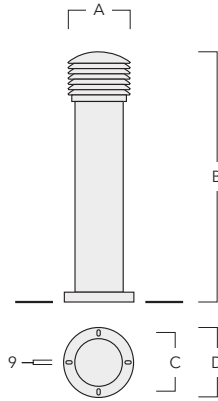
XRY324**

XRY334**



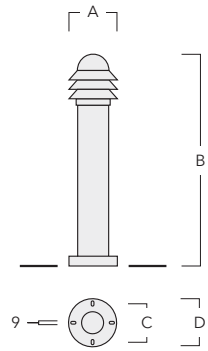
RRY324**

RRY334**



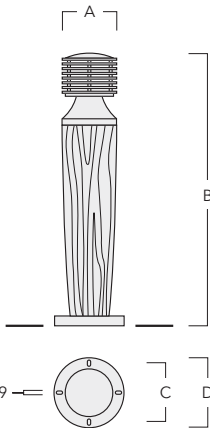
GRY224**

GRY234**



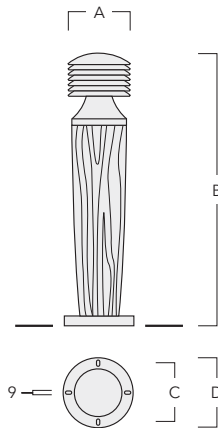
XRZ324*

XRZ334*



RRZ324*

RRZ334*



IP55*, IP66**, IK10, Class I, $t_a = 40^\circ\text{C}$

Light Source

LED

Maintenance

Apart from cleaning the product's exterior surfaces, no special maintenance work is required.

Do not use high-pressure cleaners.

In case of component failure due to abnormal circumstances or at end of life, replacement must be carried out by a suitably qualified and trained professional.

Warning: Do not open luminaire while mains supply is switched on.

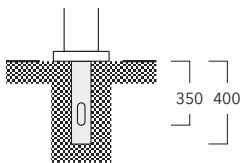
Product Dimensions:

	A	B	C	D
GRY224	ø 160	700	ø 130	ø 160
GRY234	ø 250	1000	ø 202	ø 230
XRY324	ø 180	700	ø 202	ø 230
XRY334	ø 270	1000	ø 286	ø 320
XRZ324	ø 180	900	ø 202	ø 230
XRZ334	ø 270	1100	ø 286	ø 320
RRY324	ø 205	900	ø 202	ø 230
RRY334	ø 320	1000	ø 286	ø 320
RRZ324	ø 205	900	ø 202	ø 230
RRZ334	ø 320	1100	ø 286	ø 320

Accessories:

Planted root - Galvanised steel.

			kg
ESV4	for GRY224	300-0461	4.4
ESV4	for GRY234	300-0464	6.0
ESV4	for XRY324/XRZ324/RRY324/RRZ324	300-0464	6.0
ESV4	for XRY334/XRZ334/RRY334/RRZ334	300-0586	7.2



ESV4

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.

Warning: Switch off mains electrical supply prior to installing and connecting the luminaire.

Notice: If the luminaire is modified by anybody other than the original manufacturer, then the warranty will no longer be valid and shall become the full responsibility of the modifying person/organisation. Claims based on defects attributable to improper installation and/or application, and the consequences thereof, are excluded.

Important: When mounting luminaires on concrete or surfaces containing limestone content, WE-EF recommends using mounting accessories – a short post or a ground spike to prevent galvanic corrosion. In areas where mounting accessories are not applicable, ensure the luminaire's aluminium base is separated from concrete and limestone using a plastic or rubber sheet. Allow concrete to cure before installation – DO NOT INSTALL ON WET CONCRETE!

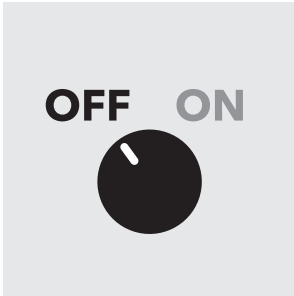
Handling: Ensure the mounting flange plates are handled with care, scratches and damage to the coated surface can result in galvanic corrosion.

A WE-EF warranty does not cover any adverse reaction or damage, due to improper installation and requests that our recommendations are followed.

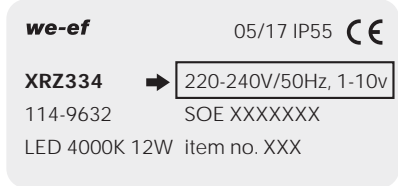
Installation Procedure

It is recommended to incorporate the optional planted root to ensure maximum stability.

- 1) Switch off mains electrical supply.

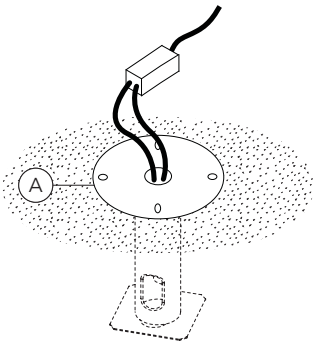


- 2) Check that rating shown on luminaire label conforms with mains electrical supply.



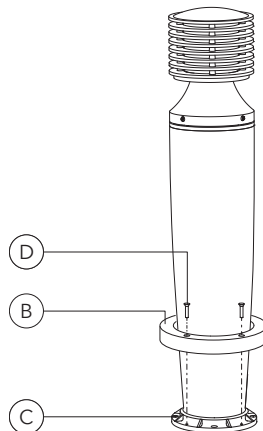
(example)

- 3) A suitable recess to be provided for planted root **A**. Ensure that a solid foundation as well as sufficient mains cable length are provided.

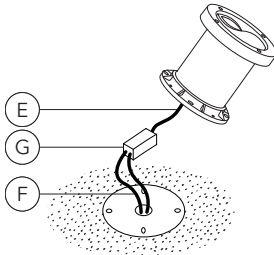


Note: Planted root installation instruction is available at the end of this document.

- 4) Remove cover **B** from cast base **C** by loosening countersunk screws **D**.

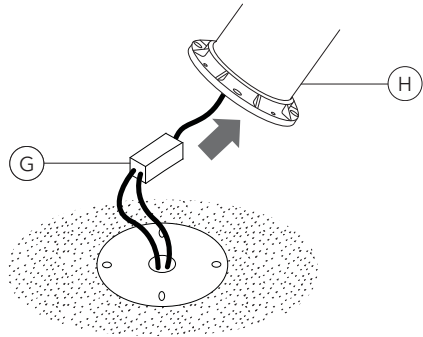


- 5) Connect luminaire cable **E** to mains supply cable **F** in watertight terminal connector **G** (not supplied by WE-EF).

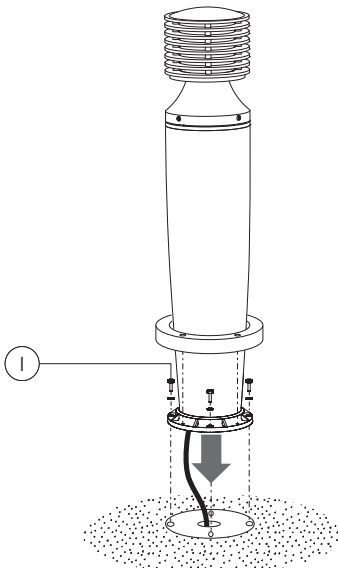


CIRCUIT	ON/OFF	1-10 V	DALI
L	PHASE	PHASE	PHASE
N	NEUTRAL	NEUTRAL	NEUTRAL
⊕	EARTH	EARTH	EARTH
D+/DA	---	+/-10V	DALI
D-/DA	---	+/-10V	DALI

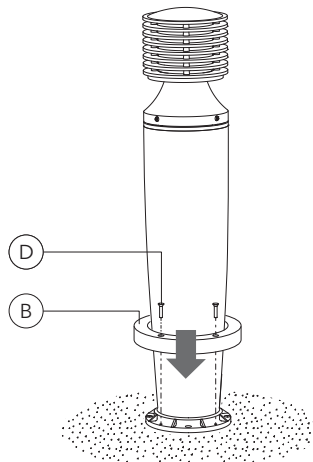
- 6) Place watertight terminal connector **G** and excess cable inside post **H**.



- 7) Set luminaire in position and secure by inserting and tightening bolts **I**.



- 8) Reposition cover **B** and secure by tightening screws **D**.



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Technical specifications are
subject to change.

WE-EF LEUCHTEN

Installation and Maintenance
Instructions

Planted Root

ESV4

ESV6

ESZ4

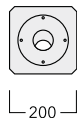
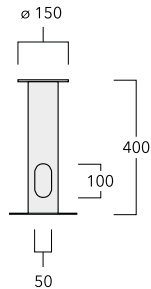


Planted Root

ESV4 300-0461

Suitability

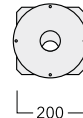
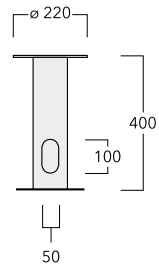
1. KTX234
2. KTY234
3. ZFY230
4. GRY224
5. Short post



ESV4 300-0464

Suitability

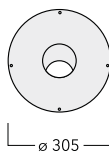
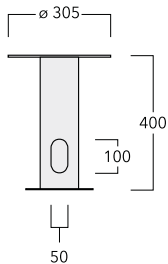
1. CFY259
2. GRY234
3. RRY324
4. RRZ324
5. XRY324
6. XRZ324



ESV4 300-0586

Suitability

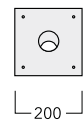
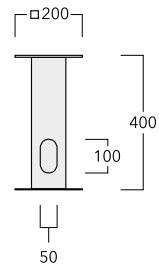
1. XRY334
2. XRZ334
3. RRY334
4. RRZ334



ESV4 300-0459

Suitability

1. QSI254

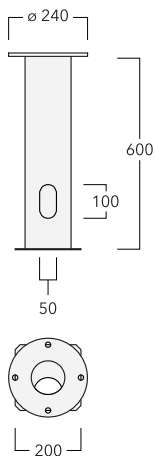


Planted Root

ESV6 300-0824

Suitability

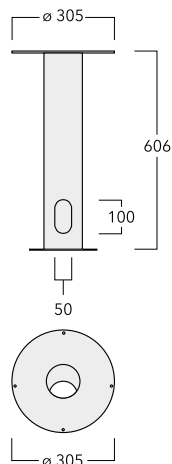
- 1. AML-C
- 2. FLA461



ESV6 300-0457

Suitability

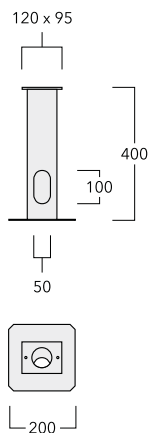
- 1. LTM440
- 2. LTM444
- 3. AMW-C
- 4. AMF-C
- 5. AMF-S
- 6. AML-C



ESZ4 300-9115

Suitability

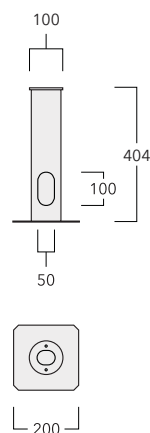
- 1. PSY414/424



ESZ4 300-9090

Suitability

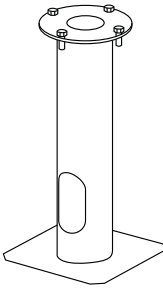
- 1. MRY224



Installation Instruction

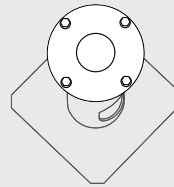
- 1) Note: It is the responsibility to installer to ensure the suitability of the ESV/ESZ planted root for any local or national structural requirements for installation, and that planted root is suitable for site specific conditions.

Instructions are a guideline for installation to these requirements and provide detail for installation orientation and mounting details.

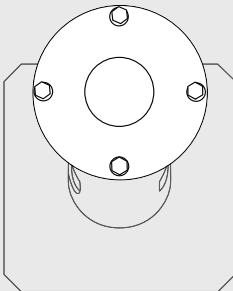


- 2) Please note, ESV4 and ESV6 must be orientated correctly for different products. In both instances conduit entry can be rotated to match cable routing.

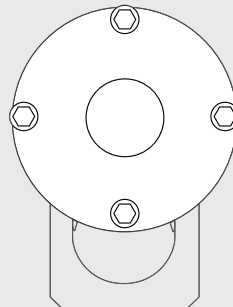
When the ESV is being installed for following products: KTY234/KTX234/ZFY230/CFY259/FLA461, please orientate the planted root as shown (base plate is at an angle of 45° to the pathway). For this installation, use the 40 mm long M8 bolts supplied.



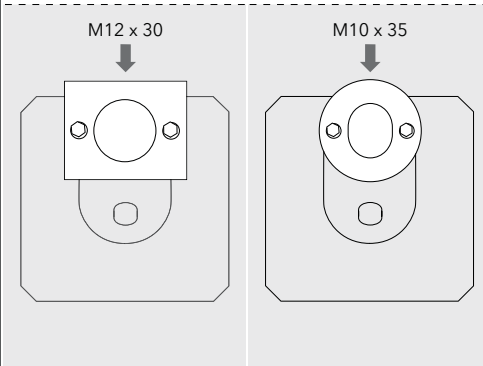
- 3) For all other product that use ESV4 please orientate planted root as shown (base plate is parallel to the pathway). For this installation, use 25 mm long M8 bolts supplied.



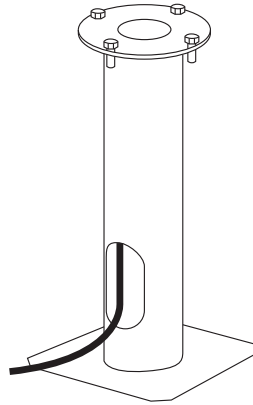
- 4) For all other product that use ESV6 please orientate planted root as shown (base plate is parallel to the pathway). For this installation, use 40 mm long M16 bolts supplied.



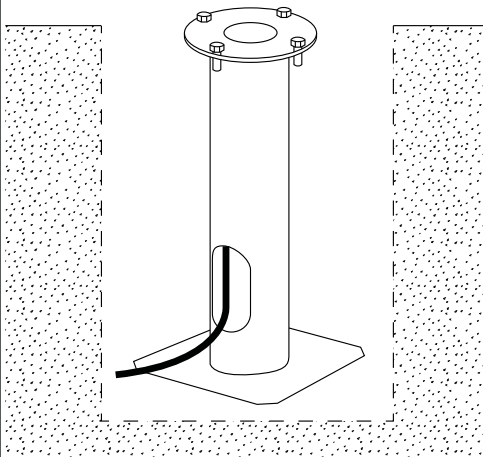
- 5) For ESZ4 please orientate planted root as shown (base plate is parallel to the pathway). For this installation, use 30 mm long M12 bolts for PSY planted root and 35 mm long M10 bolts for MR Y planted root.



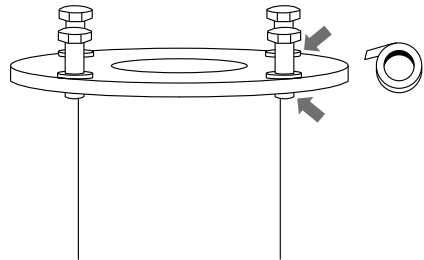
- 6) Orientate ESV/ESZ as required and fit electrical connections/conduit.



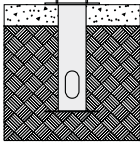
- 7) Place the ESV/ESZ in the form work for concrete pad, ensuring orientation, position and levels are correct. Ensure all openings on ESV/ESZ are blanked off, including mounting plate hole.



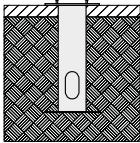
- 8) Fit the nominated bolts through mounting flange. Ensure several threads feed through the plate and tape off top and bottom. Bolts are inserted to protect threads off plate and need to be removed for fitting installation after setting the ESV/ESZ.



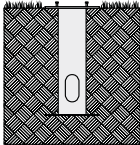
9) Pour concrete to desired level depending on requirement of concrete, paver or soil. Ensure that for any installation mounting flange must be flush or higher than surrounding surface level.



Concrete

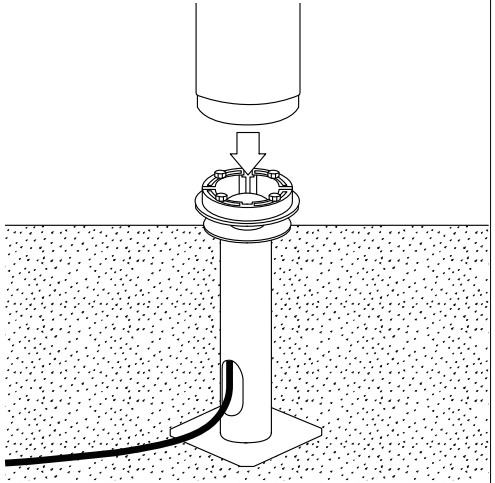


Paver



Soil

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





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