

**Safety Notice**

The manufacturer is discharged from liability when damage is caused by improper use or installation.

If any luminaire and/or accessory is subsequently modified, the persons responsible for the modification shall be considered as manufacturer.

**we-ef**

**WE-EF LIGHTING**

Installation and  
Maintenance Instructions for  
Inground Uplights  
**ESC100 LED Series**



**we-ef**

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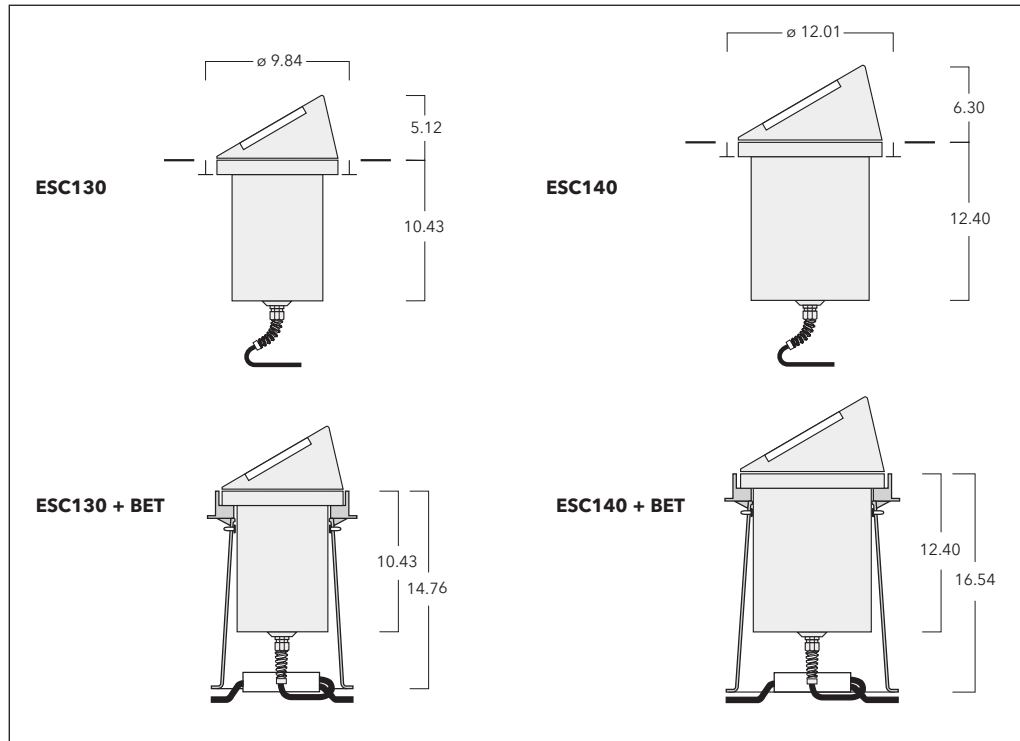
ESC100 LED\_060521 / 006-1339

Technical specifications are subject to change.

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**Inground Uplight with Installation Blockout**

IP67, IK07



**Light source**

ESC100 ..... 12 LED 18W / 24 LED 24W\*

$\varnothing 0.315 - 0.335$  in  
3 x 16 AWG



\* Nominal power, for latest data refer to  
[www.we-ef.com](http://www.we-ef.com)

Class I

**Installation Accessories**

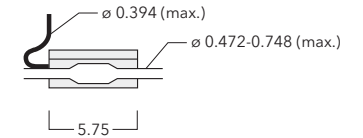
**Installation Blockouts**

			lb
<b>185-0322</b>	BET13-II-270/375	max. 75W	0.77
<b>185-0323</b>	BET14-II-325/430	max. 100W	0.91

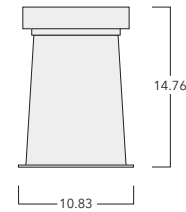
**Installation Accessories**

**Sealable junction box**

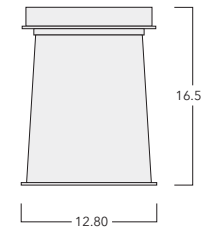
<b>185-1624</b>	SJB130	0.18 lb
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**BET13-II - 185-0322**



**BET14-II - 185-0323**



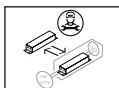
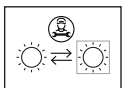
**Installation**

The luminaire should be installed and maintained by a suitably qualified person in compliance with the latest construction and electrical regulations and relevant legislation.

The luminaire should not get covered partly or complete. Dirt on the lens has to get removed.

Do not open the luminaire in humid conditions or during rain. This will result in condensation forming inside the luminaire.

In case of questions please contact our technical hot-line at +1 724 742 0030 (Monday - Friday from 08:00 until 16:00 hours).

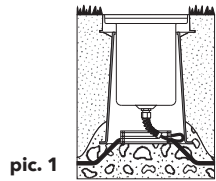


## Installation Methods

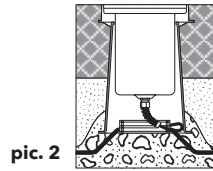
### Installation with BET

Ensure that proper drainage is provided for the shown installation methods.

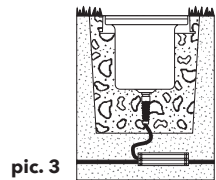
- 1) In landscaped areas (soil with gravel base), **pic. 1**
- 2) In paved areas (concrete with gravel base), **pic. 2**



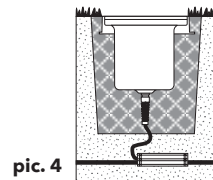
pic. 1



pic. 2



pic. 3



pic. 4

### Installation without BET

- 3) In landscaped areas (soil with gravel), **pic. 3**
- 4) In landscaped areas (soil with concrete and gravel base), **pic. 4**
- 5) In paved areas (concrete), **pic. 5**
- 6) In paved areas (concrete with gravel base) see **pic. 6**



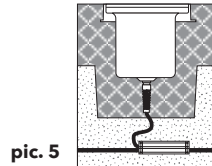
gravel (drainage)



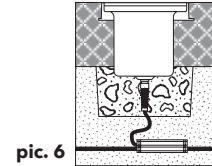
concrete



soil



pic. 5



pic. 6

## Installation with Blockout BET

### Phase One

(During earth or masonry works)

- 1) Put the mounting ring **E** on to the installation blockout **O** in that way, that the connector **L** lock into position on the blind rivets **S**.
  - a) Set in position together with supply cable(s) **P**.
- 2) A suitable recess to be provided to accommodate installation blockout/mounting ring assembly **E/O**. Proceed as follows:
  - a) Set in position together with supply cable(s) **P**.
  - b) Luminaire mounting ring **E** to be flush with surface **F** (if the floor will be tiled or paved afterwards leave an appropriate gap).
  - c) Point arrow **R** towards the object (wall, tree, column ...) to be illuminated.
- 3) During ongoing earth and/or masonry works, ensure that installation blockout/mounting ring assembly **E/O** is not damaged and maintains its original shape. If necessary use a cover plate.

## Phase Two

(Electrical connection, aiming)

- 4) Switch off mains electrical supply. ⚡
- 5) Check that rating shown on luminaire label conforms with the mains electrical supply. Observe the maximum permissible wattage in connection with BET installation blockouts (refer to table "Installation Accessories").
- 6) Loosen screws **K** and remove cover **B**. Remove cover **G** and lens/gasket assembly **H/I** by removing the six countersunk screws **J**.
- 7) Remove the chassis **M** from the luminaire housing **N**.
- 8) Ensure that all surfaces are clean and dry. Then remove gel bag from aluminium envelope. Place bag inside the bottom of the luminaire **N**.
- 9) Remove the two screws **Q** from mounting ring **E**. Open the packaging of the desiccant bag. Place the bag in the lower part of the luminaire housing.
- 10) Connect wires of luminaire cable **A** and mains supply cable **P** in sealable junction box **C** (e.g. WE-EF product no. 185-1624) and/or provided UL410-D wire nuts. Seal junction box properly.
- 11) Insert the housing into the blockout. Fix mounting ring **E** to luminaire by inserting two stainless screws **Q** and tightening them equally.
- 12) Assemble in reverse order.
- 13) Set lens/gasket assembly **H/I**, cover **G** and the six countersunk screws **J** in position as described. Then, while taking all necessary precautions to ensure safety:
  - a) Leave the screws untightened and ignite the luminaire for approx. 30 minutes to allow any moisture to evaporate.
  - b) Begin tightening the countersunk screws **J** in steps in a criss-cross pattern, until all six screws are properly seated and secured. Repeat tightening procedure, again in a criss-cross pattern, for another two rounds with a torque of 9 Nm.
- 14) Set luminaire in position while observing to avoid stress on junction box **C**, cable **A** and cable gland **D**.
- 15) Reposition cover **B** and tighten screws **K**.