



INTERRA INSTALLATION INSTRUCTIONS

PART 1

Installing the Blockout

PART 2

Installing the Luminaire



■ STEP 1 PREPARE THE GROUND

The installation may include soft or hard ground preparation or a combination of both.

In all scenarios, ensure proper drainage is provided.

For soft ground application - adequate drainage material should be provided along the entire length of the “blockout” or run/length of luminaires.

Drainage material can be:

Sand



Pea gravel



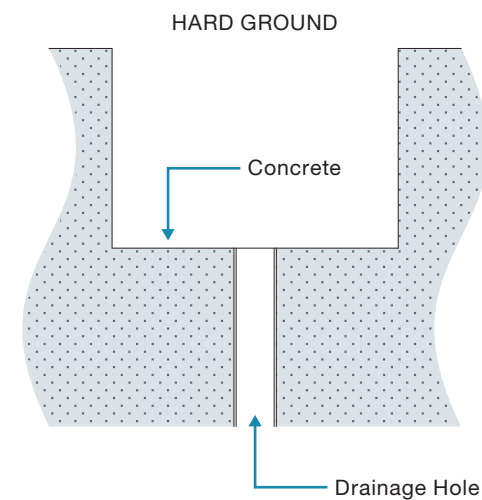
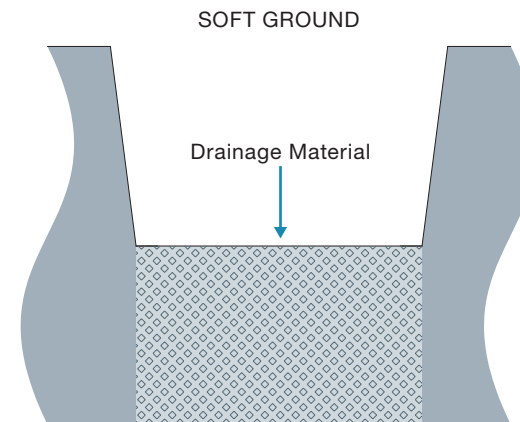
Drainage gravel



For hard ground application – adequate drainage must be provided along the entire length of the “blockout” or run/length of luminaires.

Draining pipes must be used along the lengths of the “blockout”.

Provide natural water drainage by allowing water to flow to a lower elevation, away from site.



STEP 2 PLACE BLOCKOUT IN SITU

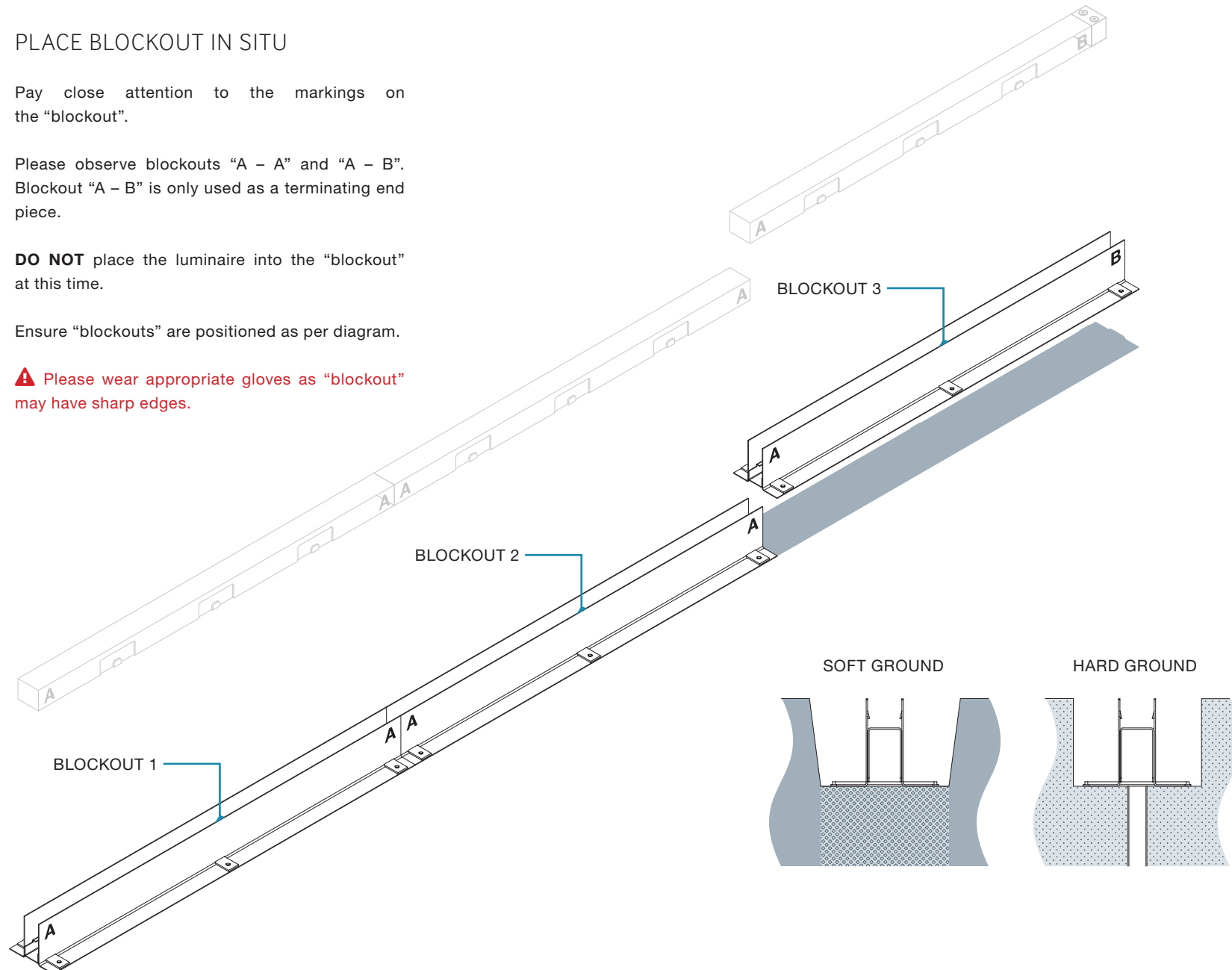
Pay close attention to the markings on the “blockout”.

Please observe blockouts “A – A” and “A – B”. Blockout “A – B” is only used as a terminating end piece.

DO NOT place the luminaire into the “blockout” at this time.

Ensure “blockouts” are positioned as per diagram.

⚠ Please wear appropriate gloves as “blockout” may have sharp edges.



STEP 3 TEST DRAINAGE

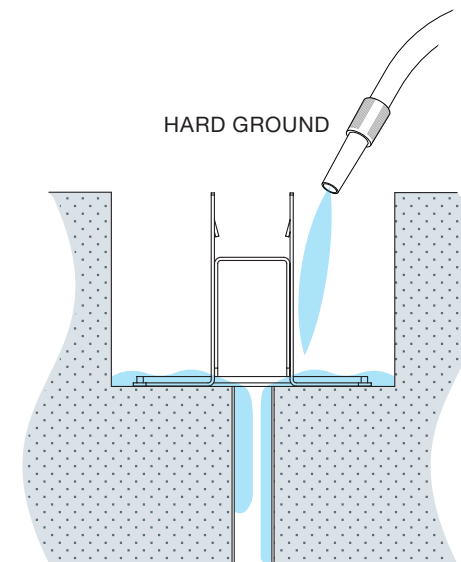
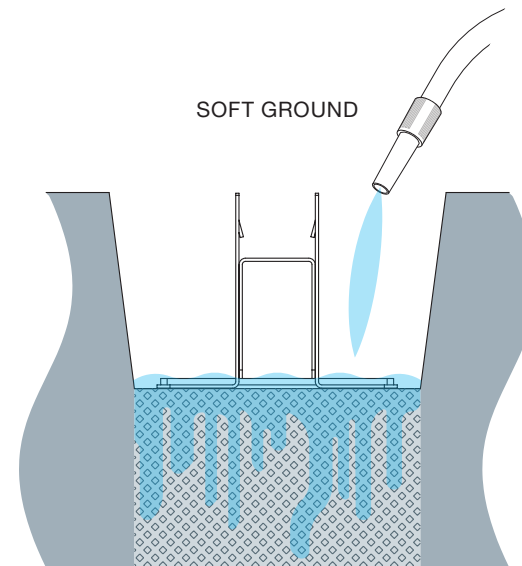
Test drainage by using a hose or bucket of water.

Ensure the water drains effectively and quickly within the “blockout”.

Ensure the water propagates through the soft ground drainage.

Ensure the water drains quickly with hard ground installations.

⚠ Failure to provide adequate drainage during installation will void warranty.



■ STEP 4 INSTALL CABLING

Install cabling between the PSU to the “blockout”.

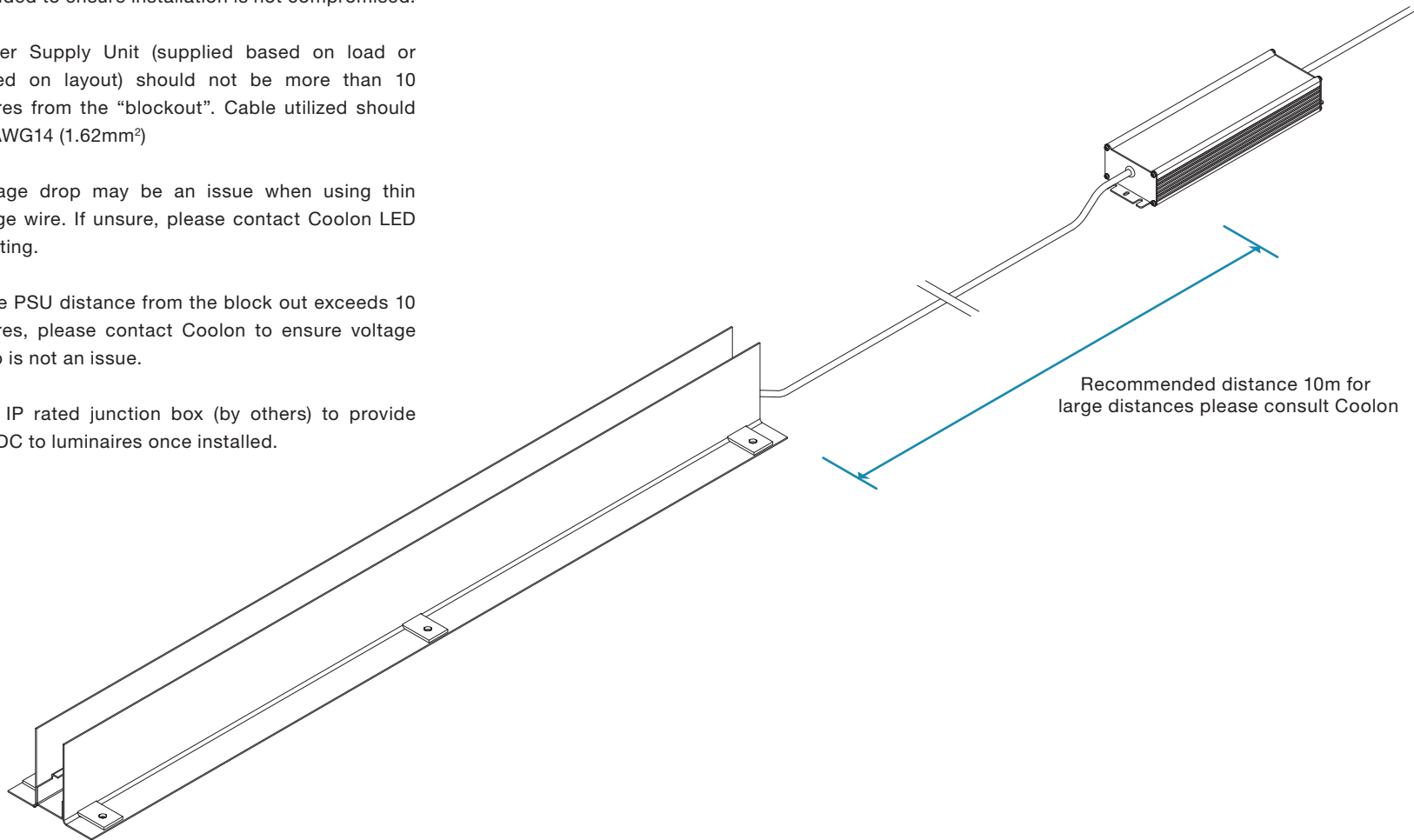
Conduit (by others) must be effectively protected/ shielded to ensure installation is not compromised.

Power Supply Unit (supplied based on load or based on layout) should not be more than 10 metres from the “blockout”. Cable utilized should be AWG14 (1.62mm²)

Voltage drop may be an issue when using thin gauge wire. If unsure, please contact Coolon LED Lighting.

If the PSU distance from the block out exceeds 10 metres, please contact Coolon to ensure voltage drop is not an issue.

Use IP rated junction box (by others) to provide 42VDC to luminaires once installed.

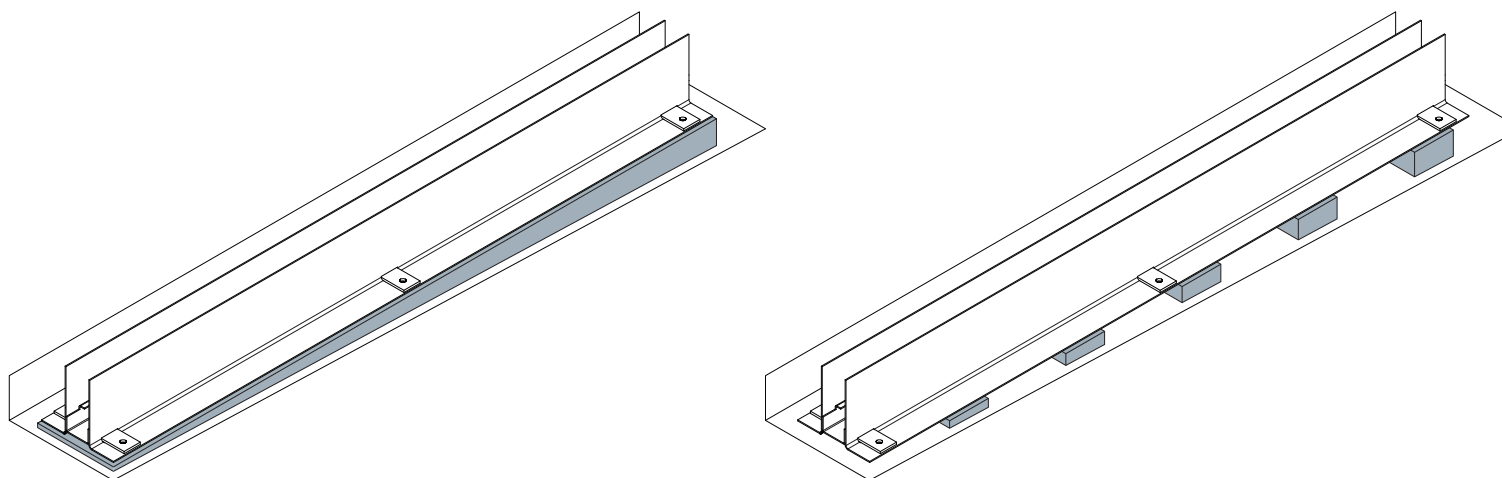
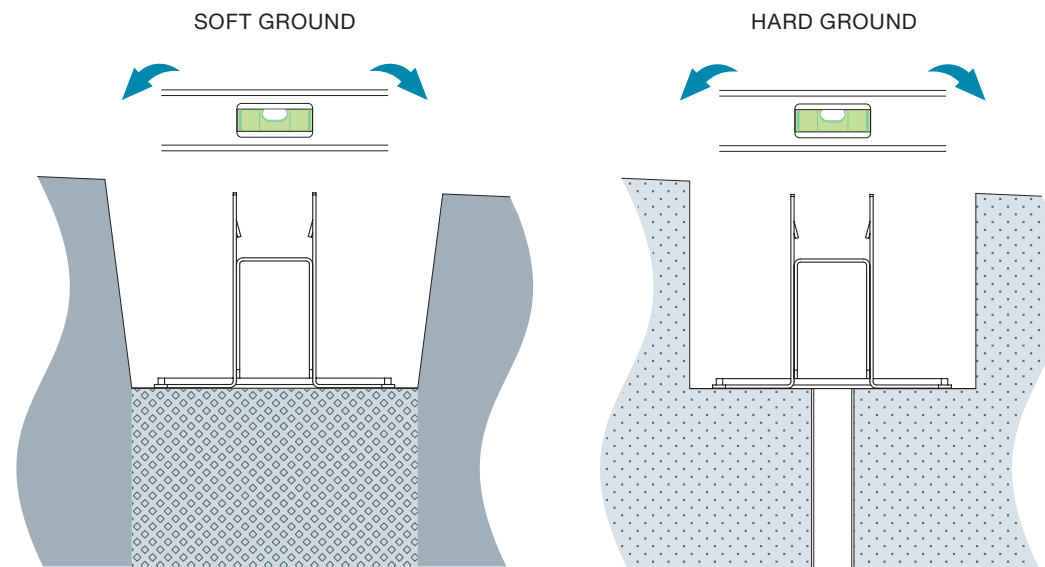


■ STEP 5 LEVEL BLOCKOUT

Level “blockout” only.

Do not level “blockout” according to groundwork as groundwork should be sloped to provide natural drainage.

Adjust mounting surface to ensure “blockout” is level.

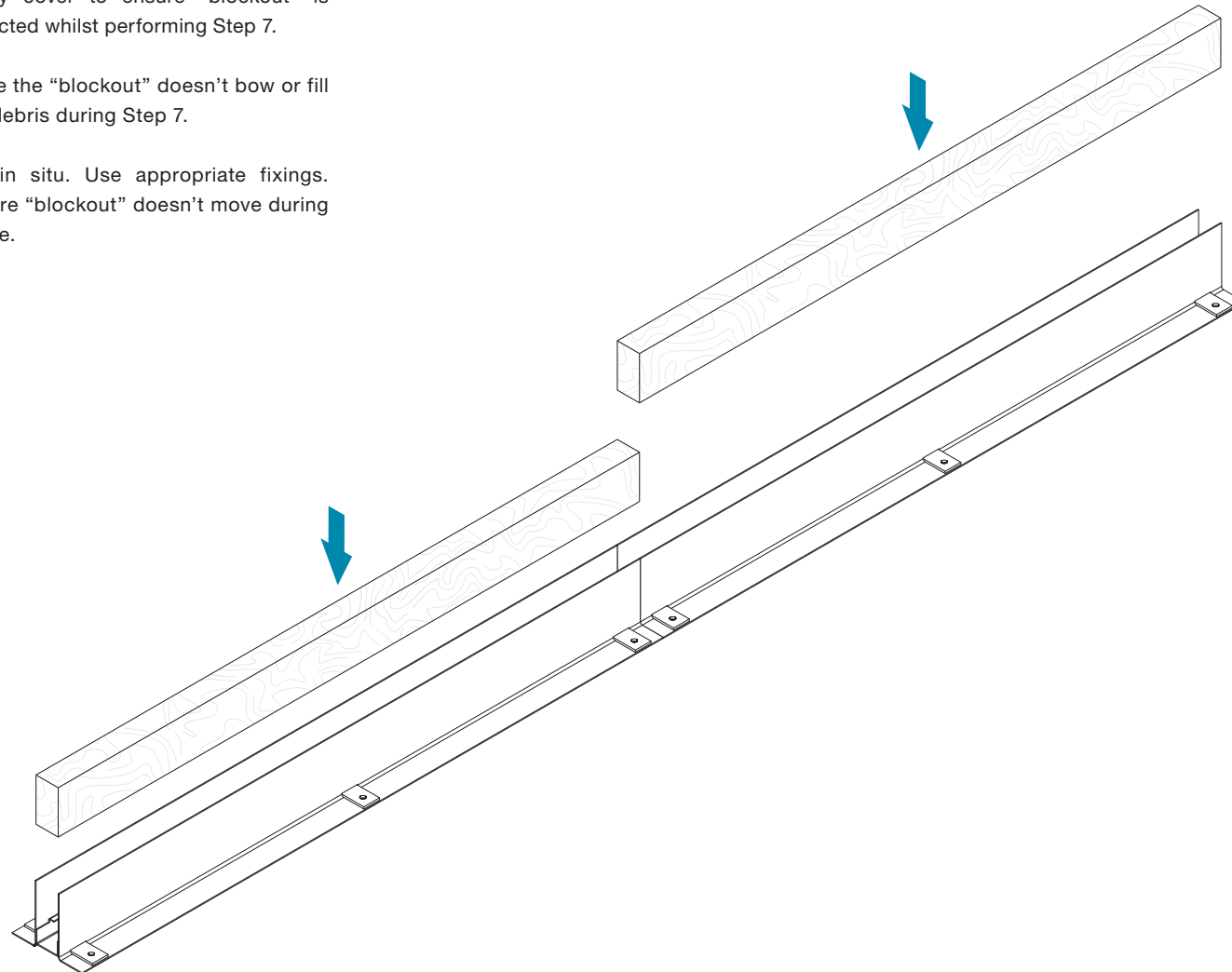


■ STEP 6 INSTALL COVER

Install temporary cover to ensure “blockout” is sufficiently protected whilst performing Step 7.

Cover will ensure the “blockout” doesn’t bow or fill up with excess debris during Step 7.

Fix “blockout” in situ. Use appropriate fixings. Fixings will ensure “blockout” doesn’t move during the pouring stage.



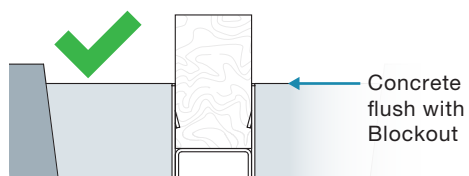
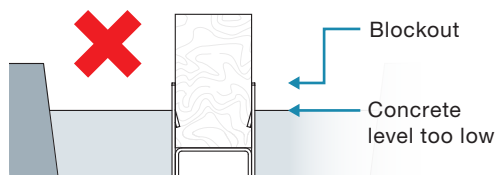
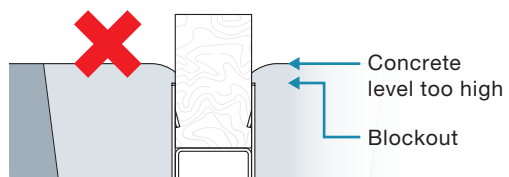
STEP 7

FILL

Pour concrete around “blockout”. Ensure concrete doesn’t enter the inside of the “blockout”

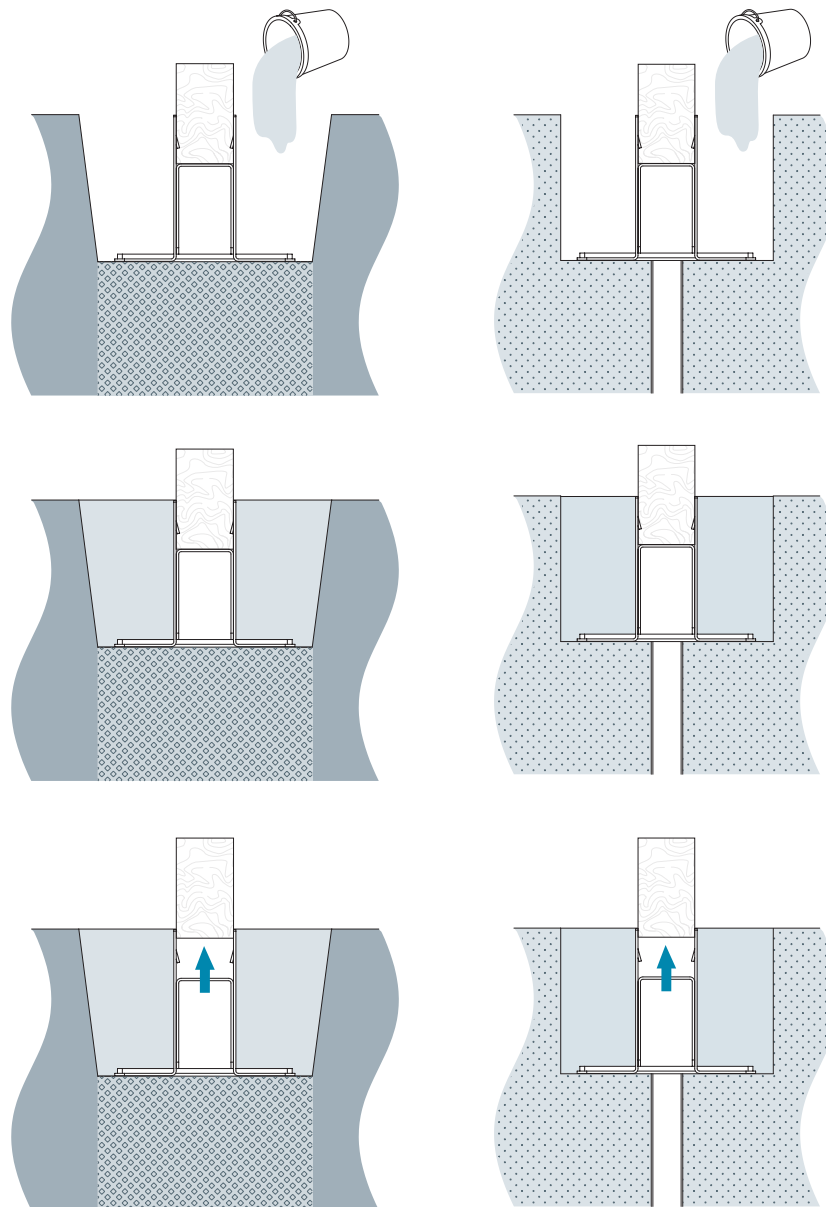
Ensure the level of concrete is flush with the “blockout”.

Please remove excess concrete from temporary cover and “blockout”. Ensure temporary cover can be removed once concrete has set or the surrounding area has been filled.



“Blockout” must never be installed below ground level or protrude from ground level.

Remove timber cover from “blockout” after concrete has set.



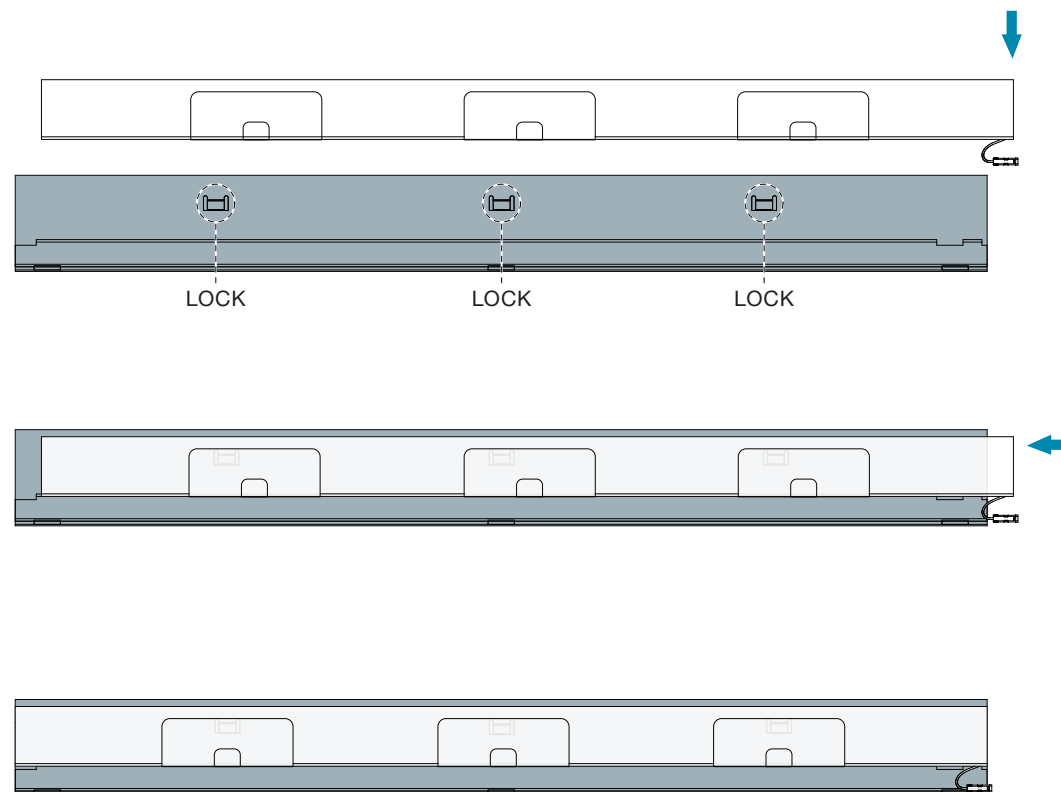
■ STEP 1 INSTALL LUMINAIRE

Install luminaire by dropping into block out.

Commence installation with luminaire labeled “A – A”.

Ensure “A” luminaire aligns with “A” block out. Observe male and female connectors on luminaires.

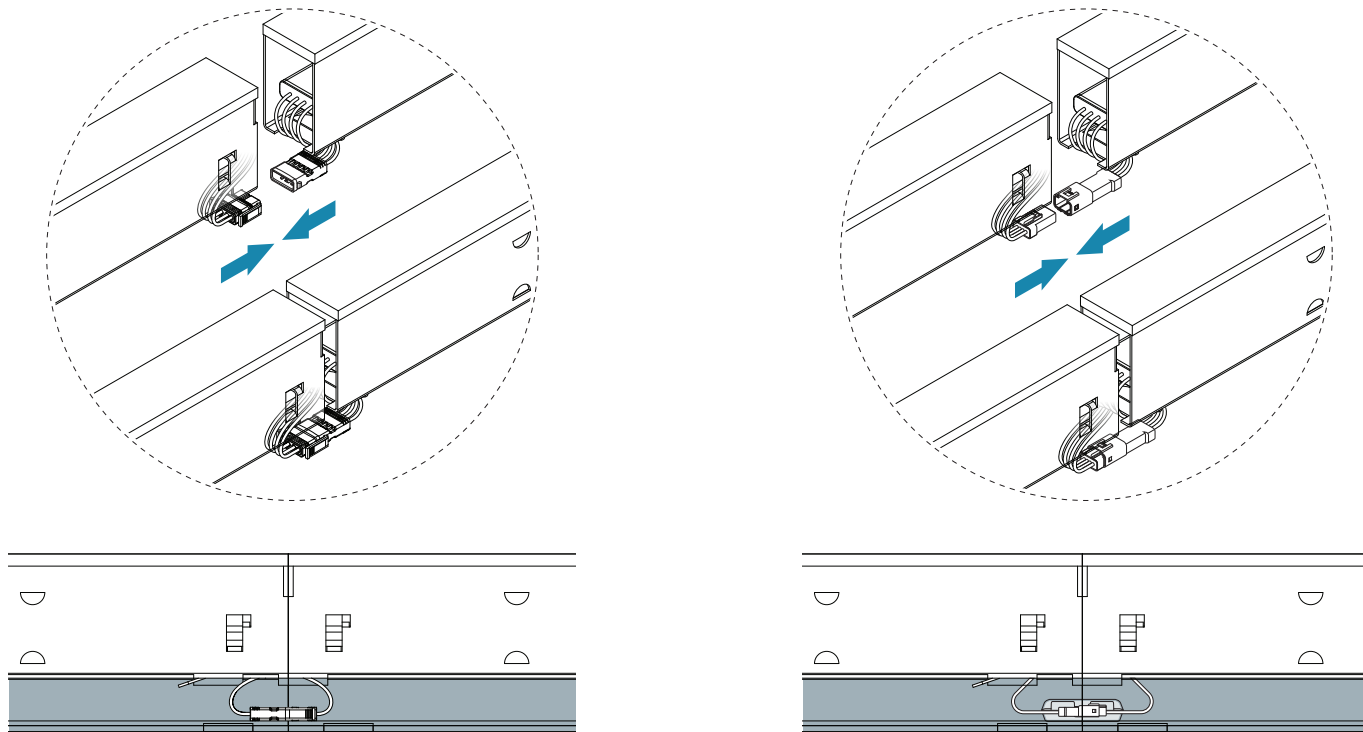
Slide luminaire to the side to ensure luminaire is locked into block out via three-locking tabs.



■ STEP 2 CONNECT

Connect fittings as you go along.

Ensure connector is placed into the bottom part of block out.



STEP 3 LOCK LAST FITTING

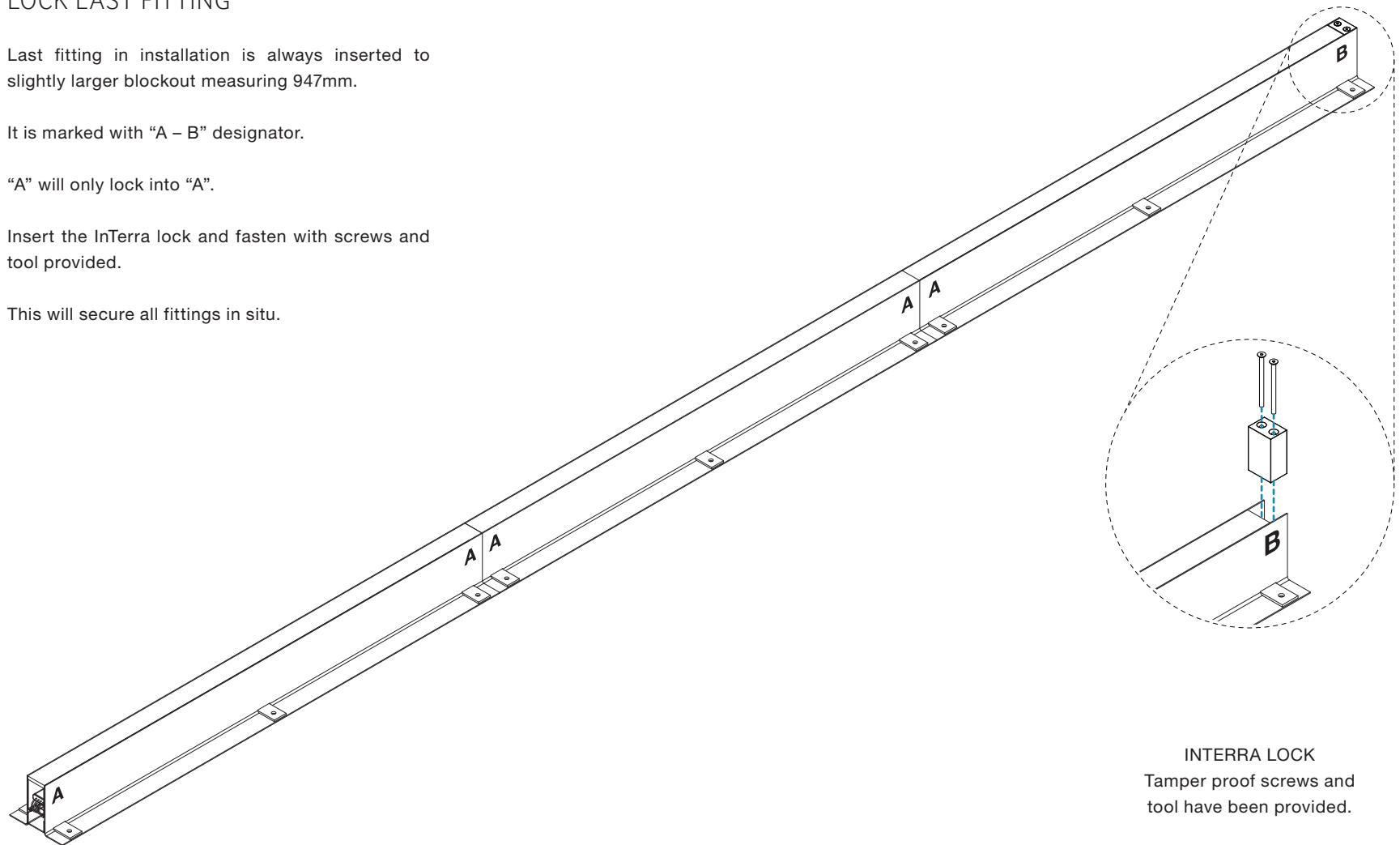
Last fitting in installation is always inserted to slightly larger blockout measuring 947mm.

It is marked with “A – B” designator.

“A” will only lock into “A”.

Insert the InTerra lock and fasten with screws and tool provided.

This will secure all fittings in situ.

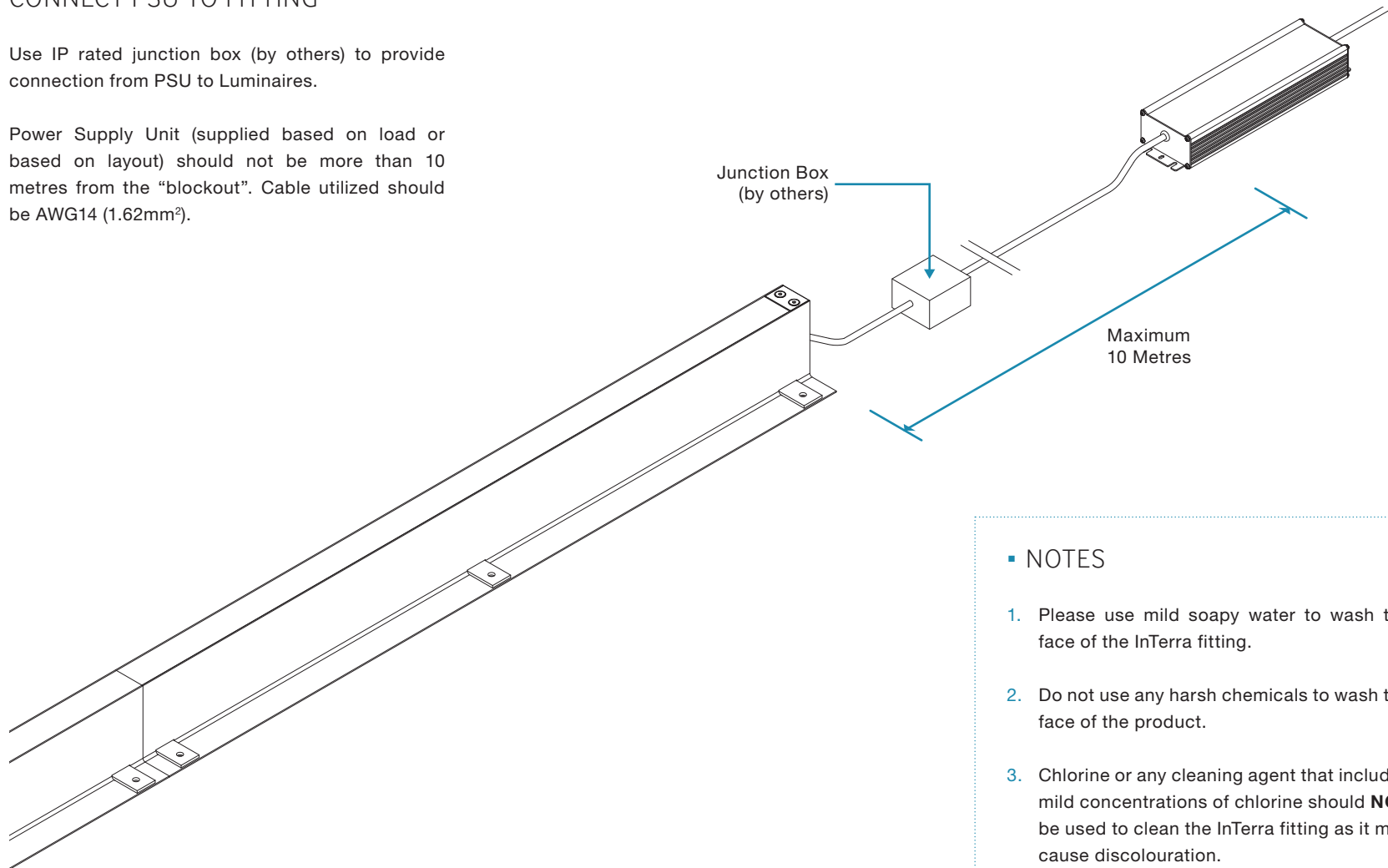


INTERRA LOCK
Tamper proof screws and
tool have been provided.

■ STEP 4 CONNECT PSU TO FITTING

Use IP rated junction box (by others) to provide connection from PSU to Luminaires.

Power Supply Unit (supplied based on load or based on layout) should not be more than 10 metres from the “blockout”. Cable utilized should be AWG14 (1.62mm²).



■ NOTES

1. Please use mild soapy water to wash the face of the InTerra fitting.
2. Do not use any harsh chemicals to wash the face of the product.
3. Chlorine or any cleaning agent that includes mild concentrations of chlorine should **NOT** be used to clean the InTerra fitting as it may cause discolouration.
4. The luminaire portion can be removed in order to clean the in-ground stainless steel blackout if required.