JB4
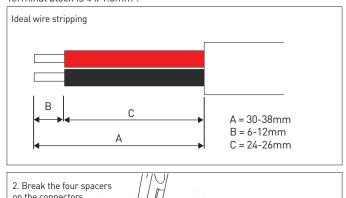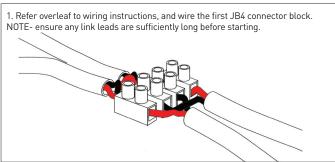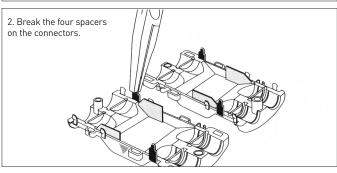## Assembly Instructions
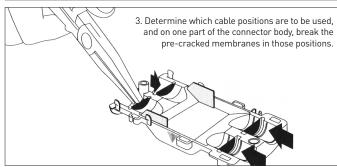
IP68 to a maximum depth of 1.3 metres.
Collingwood advise 0.75mm² round cable for this junction box. Minimum cable diameter is 6.5mm, maximum is 12mm.
Collingwood WC275 cable is ideal. For any positions with cable diameter 9.5mm or more, do not use the reducing adaptors.
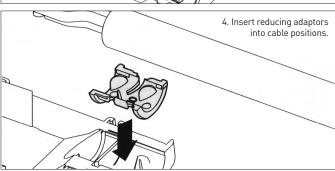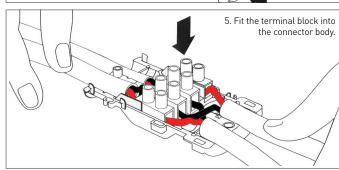Terminal block is 4 x 1.5mm².

Ideal wire stripping

A = 30-38mm
B = 6-12mm
C = 24-26mm

1. Refer overleaf to wiring instructions, and wire the first JB4 connector block. NOTE- ensure any link leads are sufficiently long before starting.

2. Break the four spacers on the connectors.

3. Determine which cable positions are to be used, and on one part of the connector body, break the pre-cracked membranes in those positions.

4. Insert reducing adaptors into cable positions.

5. Fit the terminal block into the connector body.

6. Determine which cable positions are to be used, and on the second part of the connector body, break the pre-cracked membranes in those positions.

7. Insert reducing adapters into cable positions.

8. Close the box by pressing the snap lock devices.
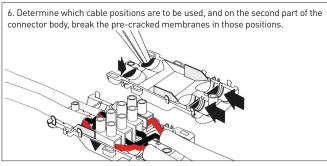
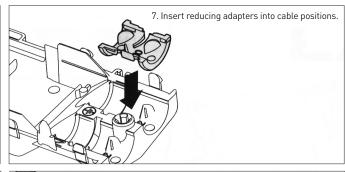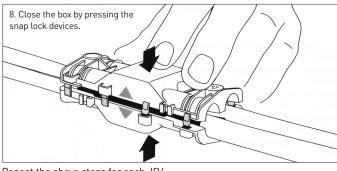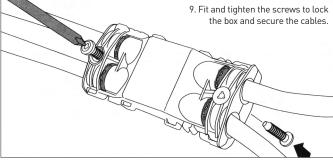9. Fit and tighten the screws to lock the box and secure the cables.

Repeat the above steps for each JB4.
The box can be reopened and resealed as necessary.

JB4
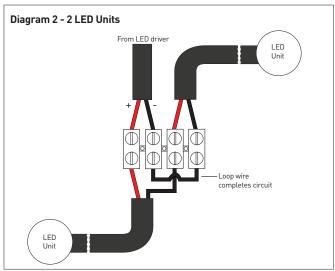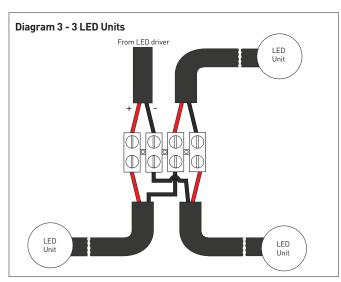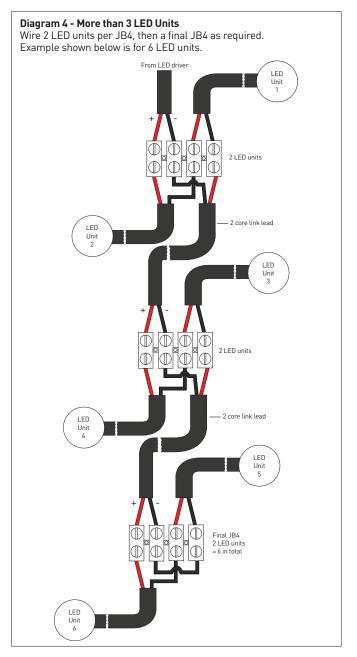## Series Wiring Instructions

COLLINGWOOD
LIGHTING LTD

Use with any Collingwood constant current driver.
Read assembly instruction (overleaf) before commencing wiring.

Diagram 1 - 1 LED Unit

From LED driver

+ −

LED Unit

Diagram 2 - 2 LED Units

From LED driver

LED Unit

+ −

Loop wire completes circuit

LED Unit

Diagram 3 - 3 LED Units

From LED driver

LED Unit

+ −

LED Unit

LED Unit

Diagram 4 - More than 3 LED Units
Wire 2 LED units per JB4, then a final JB4 as required.
Example shown below is for 6 LED units.

From LED driver

LED Unit 1

+ −

2 LED units

LED Unit 2

2 core link lead

LED Unit 3

+ −

2 LED units

LED Unit 4

2 core link lead

LED Unit 5

+ −

Final JB4 2 LED units = 6 in total

LED Unit 6

Above example for 6 LED units shows the last JB4 wired as per Diagram 2 (2 LED units).

For 7 LED units, the last JB4 is wired as per Diagram 3 (3 LED units).

In this way, any number of units can be wired in series, providing the LED driver is not overloaded.

e.g. 9 units = 3 x 2 plus the last JB4 with 3 units.

NOTE- If desired, JB4s can be linked with only one LED unit on each JB4. To do this, replace the LED connection with a loop wire.
For example, if LED unit 3 above is not required, connect a loop wire across the two terminals instead of the LED unit.