

WORLD CLASS ROOFLIGHTS

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appointment only

## CABLE EXTENSION GUIDE -REMOTE CONTROLLED ROOFLIGHTS WITH RAIN SENSOR

This guide explains how to extend the rooflight cabling for opening rooflights, which feature remote controlled operation and rain sensors. In some scenarios, dependant on where your rooflight is located and where you wish to store the control box, extending the cables might be a requirement. It is the electrician's responsibility to ensure that a suitable cable is used to avoid current loss. This guide covers the **Hinged Opening Flat Rooflight**, the **Slide Opening Rooflights/Roof Lanterns**, the **Open-Lite Access Rooflight** and the remote-controlled version of our **Hinged Opening Luxlite<sup>TM</sup>**. Please ensure that you study the Rooflight Wiring Guide, which is located in the installation guides, before you study this document.

GUIDELINES FOR HINGED OPENING LUXLITE<sup>TM</sup> / HINGED OPENING FLAT ROOFLIGHT / SLIDE OPENING ROOFLIGHTS & ROOF LANTERNS (ACTUATOR CABLES FOR OPEN-LITE ACCESS ROOFLIGHT DIFFER – PLEASE SEE NEXT PAGE)

#### **ACTUATOR CABLE/S** RAIN SENSOR CABLE 2mm cable 2mm cable minimum minimum **CABLE EXTENSION CABLE FROM CABLE EXTENSION CABLE FROM** TO CONTROL BOX TO CONTROL BOX\* **RAIN SENSOR ACTUATOR/S** Rain sensor cable will be a For your extension cable, you Actuator cable/s will For your extension cable, you will require a 2-core cable with will require a 3-core cable with 4-core cable; be a 2-core cable; internal cabling of a minimum internal cabling of a minimum 12-volt input (orange) Open (red/brown) 2mm diameter to avoid current 2mm diameter to avoid current Close (blue) Signal (blue) loss. If extending between 10 loss. If extending between 10-2 ground cables 15 metres, use a minimum 15 metres, use a minimum (white/orange) 2.5mm thick cable. 2.5mm thick cable. (white/blue)

\*if your rooflight has 2 actuator cables that need to be extended, ensure they are extended to exactly the same length to avoid the motors operating at different speeds.

Images shown are for illustration purposes only

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### GUIDELINES FOR THE OPEN-LITE ACCESS ROOFLIGHT

For the Open-lite Access Rooflight, the rain sensor requirements will match the guide as shown on the previous page. However, the actuator cables differ. In this scenario, a 5-core cable runs from the actuators. 2 of the core cables will be redundant, as the below diagram shows.

