

ABACUS 7 LIGHT ADJUSTABLE LED PENDANT

SKU# 028150, 028151, 028152

Rated Voltage 220-240V~ 50Hz.

To ensure correct function and safety, please read and follow all instructions carefully before assembly, installation and use of this product. Please keep instructions for future reference.

Warranty

- This luminaire is covered by a 3-year warranty. The warranty is from the date of purchase, not the date of installation.
- If the luminaire is not assembled and installed by a licensed electrician, the warranty will be void.
- Please retain the proof of purchase and evidence of installation by a licensed electrician for any warranty enquiries.
- The use of non-compatible dimmers may damage your luminaire and will void your warranty.
- Warranty will be void if there is any damage due to improper usage or modification to the luminaire.
- Failure to comply with the instructions in this manual may increase the risk of damage or injury and will void the warranty.

Installation Requirements

- This luminaire must be assembled and installed by a licensed electrician.
- All wiring and installation of the luminaire must adhere to the latest local and national wiring rules. E.g. AS/NZS 3000 Electrical Installations.
- The luminaire is a Class I product and must be earthed during wiring and installation.
- Do not exceed the maximum wattage rating.
- Select a suitable location for installation:
 - This luminaire is suitable for indoor use only.
 - The mounting point must support 2 times the weight of the luminaire.
 - Ensure the luminaire is not installed in the direct line of an air vent/system.
 - If installing a luminaire in an area prone to moisture, ensure that the area is well ventilated, and an appropriately rated exhaust fan is used if required. Damage or corrosion caused by moisture is not a product fault, and as such is not covered under warranty.
- The colour shifting function will only operate with a mechanical or relay ON/OFF switch.
- The colour shifting function will not operate with a semi-conductor ON/OFF switch.
- The use of a LED dimmer is strongly recommended. Please see **Highly Recommended Dimmers** Section of the Specifications on Page 4 for a list of SKUs that have been specifically designed & tested for use with this luminaire.
NOTE: Dimming may cause buzzing sounds or a slight flicker. There may be slight delays with the LED light start up or slight uneven light performance when more than one LED light fitting is linked together, switched ON or dimmed. This is not a product fault and as such is not covered under warranty.
NOTE: Some dimmers have a minimum load of 20W. Ensure the dimmer position is on the maximum setting before turning on the LED light and adjust the dimmer down to your desired light level.
NOTE: Testing cannot account for installation variables such as variation in mains supply voltage, cable capacitance, electrical noise, transients, surges and ripple control signals (commonly found in NSW & QLD).
NOTE: The information provided is correct to the best of Beacon Lighting's knowledge at the date of publication.
- Take care not to pull any electrical wires during unpacking as this may damage the connection.
- Lay out all the components on a smooth surface and make sure no components are missing before assembling. If parts are missing, return the complete product to the place of purchase for inspection or replacement.
- Check whether the luminaire has been damaged during transport. Do not operate/install any product which appears damaged in any way. Return the complete product to the place of purchase for inspection, repair or replacement.

Installation Directions

NOTE: Ensure power to the circuit you are working on has been switched OFF before commencing any electrical work.

NOTE: Due to the size/weight/wiring of the luminaire, two people will be required to lift it during the installation process.

NOTE: During the installation of the shades, two people will be required to help hold up the arms in position.

1. Remove all packaging material from the product and be careful not to throw away accessories that may be hidden within the packaging material. If assembly is required, place the luminaire on a smooth non-scratch surface.
2. Remove the mounting bracket (B) from the canopy (G) by loosening the screws (F) on the sides.
3. Use the mounting bracket (B) as a template to mark the screw hole positions on the ceiling.
4. Determine the length of the suspension rod required for your installation location. Install the required lengths of suspension rod (H, I, J, K) onto the luminaire body.

NOTE: Pull the luminaire wires out as you install the suspension rods (H, I, J,K) to remove any slack.


Take care, not to cross-thread the rods or twist and damage the luminaire wires.

5. Install the canopy (G) onto the top of the suspension rod.
6. Install the mounting bracket (B) onto the ceiling by using appropriately sized mounting screws (C) and anchors (A). Ensure the screws (C) and anchors (A) used are suitable for the mounting surface and the surrounding environment.
7. Connect the luminaire wires (Black, Red, White) to the screwless terminal block (E). Ensure that the wires are secure, and no bare wires are exposed.
8. Connect the mains supply wire to the screw-type terminal block (D).

Mains Supply Wire

Earth – Yellow/Green
 Neutral – Blue or Black
 Live – Brown or Red

Luminaire Wire / Terminal block

Yellow/Green or 
 Blue or N
 Brown or L

9. Ensure that the wires are secure, and no bare wires are exposed.

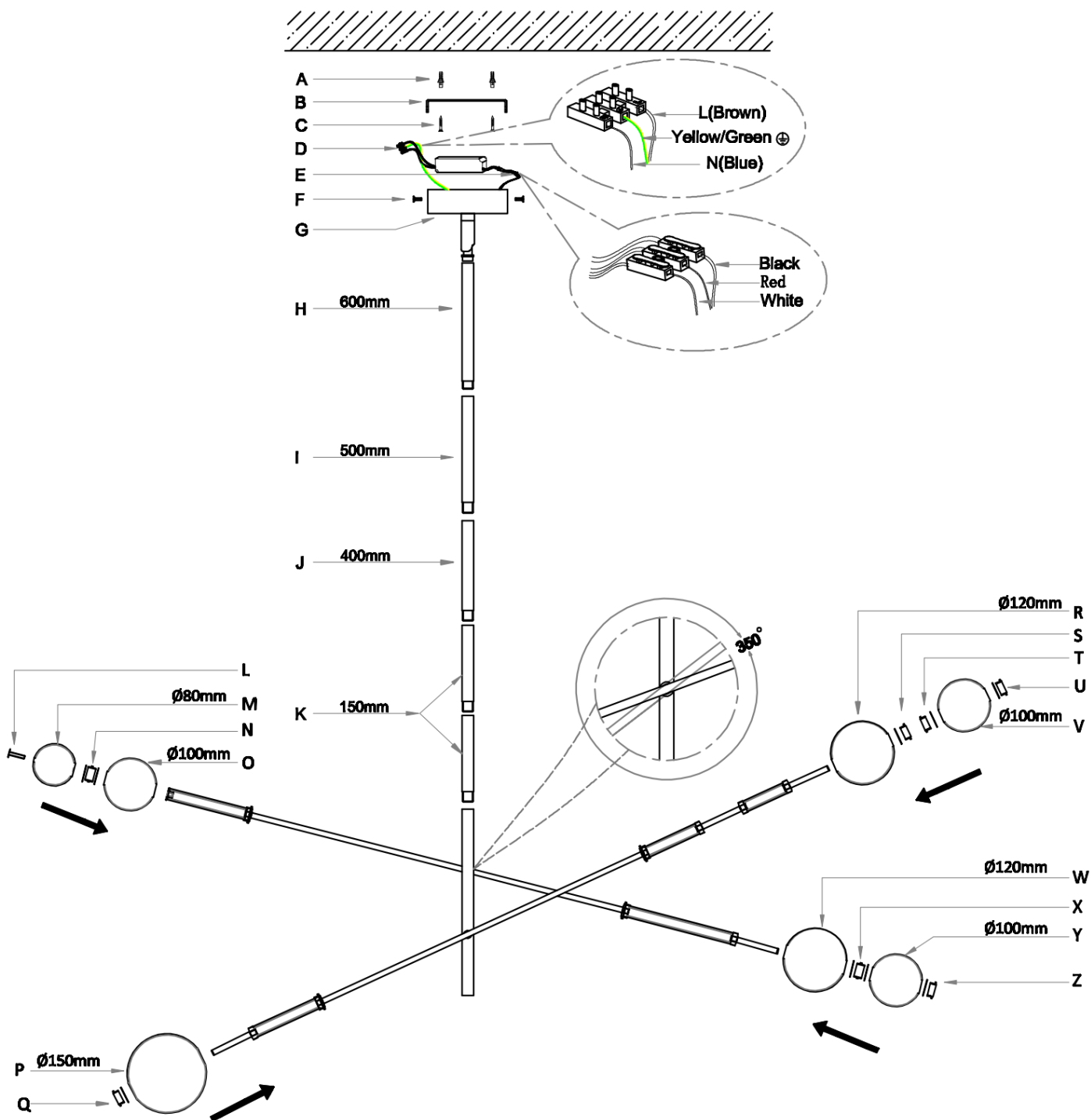
NOTE: The luminaire is a Class I product and must be earthed during wiring and installation.

NOTE: Ensure the earth wires from the mounting bracket (B) and canopy (G) are connected to the earth terminal on the screw-type terminal block (D).

10. Install the canopy (G) onto the mounting bracket (B) and secure it by tightening the screws (F) on the sides.
11. Install the shades (M, O, R, V, P, W, Y) over the LEDs and secure using the brackets (N, L, S, T, U, X, Z, Q).
12. Adjust the luminaire arms to your desired angle.

NOTE: Do not adjust the arms more than 350°, as this may damage the joint or the internal wiring.

13. After the installation, switch on the luminaire to test all the lighting functions and enjoy your new lighting product.
14. To operate the colour shifting function, use the wall switch.
 - While the luminaire is on, toggle the wall switch OFF and ON again within 3 seconds.
 The colour shifting sequence will jump from 3000K – 5000K – 4000K. (for SKU# 028150, 028151)
 The colour shifting sequence will jump from 2500K – 4000K – 3000K. (for SKU# 028152)
 - For the colour shifting to memorise the colour temperature, leave the wall switch OFF for over 7 seconds.
 - To reset the colour shifting, toggle the wall switch OFF and ON twice within 1 second.



NOTE: Do not adjust the arms more than 350°, as this may damage the joint or the internal wiring.

Safety Tips

- Always ensure the power is OFF and the luminaire has cooled down before performing any maintenance, cleaning, changing the lamps or making any adjustment to the luminaire.
- To avoid injury or damage to the luminaire, ensure that power leads and screws are secure before connecting the power.
- The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced. There are no serviceable parts, do not attempt to dismantle or open the luminaire.
- Select a suitable location away from liquids and hazards.
- To clean, wipe with a soft damp cloth. Do NOT soak or immerse the luminaire in water or other liquids.
- Ensure that the luminaire does not come in contact with corrosive chemicals/solvents or abrasive cleaners etc.

Specifications			
SKU #	028150	028151	028152
Colour	Textured Black / Matte Opal Glass	Aged Brass Finish / Gloss Opal Glass	Bronze Finish / Sepia Glass
Rated Voltage	220-240V~ 50Hz		
Rated Wattage	39W Max.		36W Max.
LED Specs	Dimmable, Colour Shifting LEDs*, CRI ≥ 90		
Rated Lumens	3000K - 2900 lumens 4000K - 3100 lumens 5000K - 3200 lumens		2500K - 2300 lumens 4000K - 2400 lumens 5000K - 2400 lumens
Highly Recommended Dimmers	Lucci Power SKU# 290989, 290992, 290993, 290994. MFL Artisan SKU# 197015, 197016, 197017, 197018. Lucci LEDlux SKU# 290997. Lucci Connect SKU# 299043. Buster + Punch DIM-002		
Compatible Dimmers	Clipsal 31E2PUDM, 31E2RUDM, 32E450TM, 32E450UDM. DIGINET LED Smart MEDM. HPM Cat. 400T.		
Weight	3.1kg		
Canopy Dimensions	H:45mm Dia:150mm		
Luminaire Dimensions	H:350mm L:1280mm W:1200mm Susp:1800mm Max.		

*The colour shifting function will only operate with a mechanical or relay ON/OFF switch.
The colour shifting function will not operate with a semi-conductor ON/OFF switch.