

# TECNOLUMEN

TECNOLUMEN GmbH & Co. KG • Lötzeener Str. 2-4 • D-28207 Bremen • Tel (0421) 430 41 70 • Fax (0421) 4986685

## Assembly instructions and important information DJM 08/14

### Technical details:

Power supply: 230 V / 50 Hz

Bulb fitting: GU5.3

Protection class: I

Controller:

230 V / 12 V DC

Maximum wattage (controller):

LED Retrofit-bulb 12 W

Recommended bulb:

LED Retrofit-bulb, 12 V, Ø 50 mm, 7 W

### Safety instructions:

- This luminaire may only be wired to the mains by a qualified electrician.  
**Improper connection causes safety hazards!**
- Always ensure that the electricity is switched off when working on the luminaire or changing the bulb.
- Have repair work performed only by an authorized electrician, because electrical power can cause severe injuries!
- **A cable with metal braiding and suspension cords requires particular attention.** Please observe the following instructions precisely and avoid tight bends and kinks.
- The weight of the cement sphere must be borne by the suspension cords. It is therefore important that the strain relief is fastened carefully.

### Cleaning the lamp:

Please use a normal glass cleaner to clean the glass lens.

Please only use a damp micro-fibre cloth to clean the other parts of the lamp.

### Assembling the lamp:

The lamp has been pre-assembled for preview purposes.

- Using the hex key provided, unscrew and remove the two screws at the side of the baldachin and slide the baldachin cover down.
- Unclamp the pendant cable connecting wires from the 12 V terminal clamp.
- Undo the screws (C) by **one** turn each and remove the strain relief component with the pendant cable from the baldachin component with a forwards and sideways movement.
- Lead the mains power supply cable through the opening (A) in the baldachin component and mark the position of the boreholes on the ceiling through the holes (B).
- Use a masonry drill to drill the holes in the ceiling.
- Using the screws and dowel plugs provided, screw the baldachin component securely onto the ceiling.
- Call in a qualified electrician to make the electrical connection as per the wiring diagram.
- Now determine the total length required for the lamp.  
Example: total length = 1800mm (ceiling surface – bottom of the glass lens).  
The cable length would then be 1660mm, measured from the point that the cable emerges from the cement sphere to the end of the cable.
- Cut the cable to the desired length with wire cutters.
- Using the hex key provided, undo the suspension cords in the strain relief (D) and pull these off.
- Pull this component away from the retainer rail (F) with the anti-twist safeguard (E) and pendant cable.
- Undo the anti-twist safeguard screw and pull out the rest of the pendant cable.
- The metal braiding shielding the pendant cable must be fixed before stripping, otherwise it could look unattractive. To do so, wind the aluminium adhesive tape provided securely around the cable 70 mm from the end of the cable.
- Now insert the cable through the baldachin cover.
- Insert the cable through the anti-twist safeguard (E) up to the aluminium adhesive tape and then screw down tight. The metal braiding is now fixed and the cable can be stripped.
- Remove the metal braiding and the silicon jacket from the cable directly at the anti-twist safeguard (E).
- Cover the free ends of the wires with cable sleeves.

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- Insert both suspension cords of the pendant cable through the borehole in the retainer rail (F) and slide the anti-twist safeguard (E) with the pendant cable onto the threaded bolts of the retainer rail. Guide the cable wires past the side of the retainer rail (F).
- Now slide the strain relief (D) over the two suspension cords directly on the retainer rail and screw in the screw with the hex key provided. Clip off the protruding ends.
- The pendant cable with the cement sphere is now ready for assembly. Now guide the strain relief component of the pendant cable over the screw heads (C) with a forwards and sideways movement and screw in both screws (C). The connecting wires should face towards the 12 V terminal clamp.
- Clamp the pendant cable connecting wires into the 12 V terminal clamp.
- Position the baldachin cover over the baldachin component and screw in the two screws in the side of the baldachin.
- The glass lens is held by magnets. Mount this carefully.

