

# TECNOLUMEN

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## Assembly instructions and important information HL 99/200 - 400

### Technical details:

Power supply: 110-240V / 50-60 Hz                      Bulb socket: E27                      Safety class: I  
Maximum wattage (thermal): HL99/200: 60 W      HL99/250: 75 W      HL99/300-400: 100 W  
Recommended bulbs:                                      Energy-saving bulb 20 / 23 / 30 W

#### Note:

This specified maximum wattage applies to conventional bulbs. Since these have however been off the market since 01.09.2009, we recommend energy-saving bulbs with about 1/5 of the specified wattage.

**Halogen bulbs are not suitable** because these become much hotter than conventional bulbs.

We do not recommend using **clear glass bulbs**, since such bulbs cast a shadow onto the opal glass.

### 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!
- Some of the lamp components may get very hot in operation! Avoid skin contact with these components to prevent burns.

### Care of lamp:

Use a standard commercial cleaner for the glass ball.

For the chrome plated brass parts use a chrome polish.

For the treated with zapon parts please only use a cotton wool.

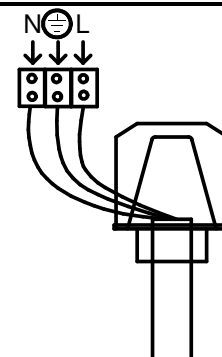
### Glass ball:

The glass ball is flashed-opal and mouth-blown in one piece by means of a glass-blower's pipe. Some surface unevenness and small air bubbles are normal and do not impair the illumination quality.

### Mounting the luminaire:

- Loosen the small screw in the ceiling canopy and then hang the luminaire up on the ceiling hook which you must supply.
- Let a qualified electrician connect the luminaire to the mains in accordance with the connecting diagram. Fix the ceiling canopy above the terminals.
- For mounting the opal glass, loosen the small screw on the cover and move it upward. Lead the glass through the notch onto the mount. Now fasten the cover on the glass.

### Connection diagram:



### Shortening the pendant rod:

If the pendant rod is too long it can be shortened with a metal saw. Before sawing, the electric conduction line must, of course, be removed from inside the pendant rod. Therefore please loosen the socket and the strain relief and pull the electric conduction line out of the tube. Then saw off the tube at the desired point and debur the cut surface with a file. Now place the electric conduction line back into the tube and remount the socket and strain relief.