

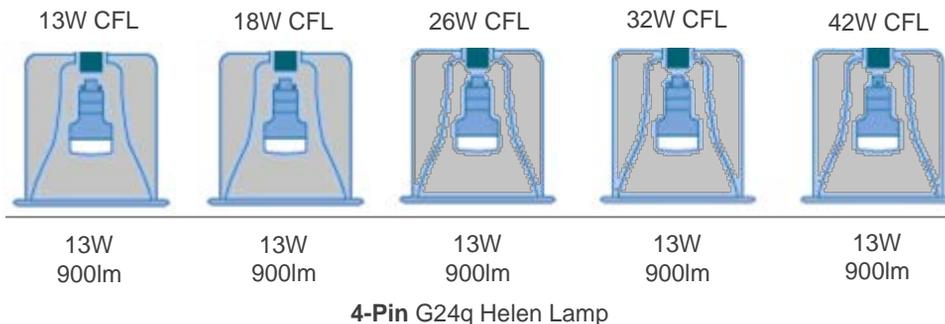
LUNERA HELEN LAMP GEN 3 INSTALLATION GUIDE

Vertical/Horizontal Mount, 4-pin G24q



Installation Instructions

- 1. Power OFF the CFL downlight fixture into which you will install the Helen Lamp.**
This is important for the installer's safety and also a general good rule to follow for your ballasts lifespan. While it will not damage the Helen lamp, there is a chance of harming the ballast itself.
- 2. Carefully remove the installed CFL.**
Pull the lamp from the base and not the tubes to avoid breakage.
- 3. Verify the CFL ID information for compatibility with the Helen Lamp.**
Check the CFL ID marked on the lamp enclosure to ensure it is an 13W, 18W, 26W, 32W or 42W CFL. Do not install the Helen Lamp if it is a lower wattage CFL. Also check the CFL lamp color temperature to ensure you are installing the desired color temperature of the Helen Lamp.



The Helen Lamp is available with CCTs of 4000K, 3500K, 3000K or 2700K.

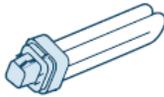
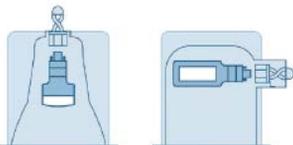
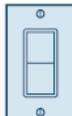
- 4. Install the corresponding 4-pin Helen Lamp into the CFL fixture's 4-pin electronic ballast G24q socket.**
If the lamp does not seat properly, do not apply force. Check to make sure the socket type matches the pin arrangement of the Helen Lamp and does not have an older 2-pin magnetic ballast, which may not be compatible with this lamp. Be sure to install two Helen Lamps in 2-lamp CFL fixtures, not one Helen Lamp and one CFL.
- 5. Turn ON power.**
If the Helen Lamp flickers, strobos, or fails on installation, the installed ballast is incompatible with the Helen Lamp. To mitigate observed incompatibility, Lunera recommends updating any incompatible installed ballasts with a currently available brand name model.

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Vertical/Horizontal Mount, 4-pin G24q Socket

Intended Applications

The Helen Lamp is designed for common commercial fixtures with 4-pin (G24q) CFL sockets that meet the following characteristics:

<p>Lamps</p> <p>4-Pin at 13W, 18W, 26W, 32W, 42W</p> 	<p>Mounts</p> <p>Vertical Horizontal</p> 	<p>Power Source</p> <p>Electronic CFL Ballast</p>  4-pin	<p>Controls</p> <p>Rocker Switch (* dimming & non dimming)</p> 
<p>Fixtures</p> <p>Downlights with or without Lens Covers</p> 	<p>Sockets</p> <p>G24q</p> 	<p>* Dimmable Ballast</p> 	<p>* Dimmers (if with compatible Dimming ballast)</p> 

* Please contact Lunera for further information about dimming capabilities.

Incompatible Applications

Please consider the **INCOMPATIBLE** applications for the Helen Lamp listed below. Installation of the Helen Lamp in such applications may result in lamp flicker, strobe, or failure.

Power Sources

Direct Line Voltage