GL-LED Down Light Series
User’s Manual

Thank you for choosing the GL-LED Down Light Series LED products. Please install and use the products according to the following directions to ensure normal function and operation. If you do not follow these instructions to properly install and use the GL-LED Down Light Series, you will not be eligible for warranty compensation or protection. We do not take any responsibility for product damage resulting from improper installation or abnormal usage.

* For 3 in 1 dimmable function
- "DIM+ / DIM-" Connecting a variable resistor (10K~100K resistor) / 1~10V direct Voltage or a 10V / PWM signal can adjust the dimmable lighting.
- Connecting "DIM+ / DIM-" to "AC L / AC N" may damage the Lighting.
- When the control cable "DIM+ / DIM-" is open, LED Light output is 100%.
- The 3 in 1 Dimmer is not capable of turning off the LED light completely. To turn off the light, we would recommend you to use the dimmer with a switch.

For detailed 3 in 1 dimmable function description, please visit the web site: http://www.glaciallight.com/products/PDF/3in1Dimming-Function.pdf

Installation Guidelines

1. Unpack the GL-LED Down Light from the packaging box.
2. Take out the LED driver and the LED Down Light with caution.
3. Connect the LED driver and the LED Panel Light into the DC power cord connector (red to red, black to black). Do not connect the LED Panel Light into any other non-compatible LED driver which may cause product damage.
4. The DC power cord connector should be properly connected, not loose.
5. Turn off the main power source before installation and securely hook the spring frames onto the Down Light.
6. The AC power connector should be properly connected, not loose.
7. Carve a hole according to the dimension of the LED light on the ceiling.
8. Carefully place the LED driver through the hole and securely hook the spring frames onto the edge of the carved hole.
9. Turn on the AC power to light up the LED Down Light.

Instructions

To ease the installation process and ensure the optimal performance of the product, carry out the installation procedure in compliance with the following safety regulations.

* Never touch the luminaire when it turns on or gets hot.
* Unless otherwise specified, never use LED luminaires in humid environments.
* Appropriate ambient temperature: -20 to 40°C

Lamp

CAUTIONS
1. If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.
2. Prior to installation, remove the AC power.

Troubleshooting

* No Light: Check whether your LED lamp and all other accessories are properly fitted into the fixture adequately connected to the specified power source.
* Fixture Cleaning: To optimize the light output, we recommend that you periodically clean the internal and external optical lenses as well as the reflection mirrors.

Only use a dry soft cloth, a dust brush or a vacuum cleaner and never use any liquid chemical cleaner or water to clean the lamp.

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For further information please visit official website : www.GlacialLight.com
GL-DL 系列使用手册

感謝您選擇使用GL-DL平板燈系列LED燈具，為此我們提供下列說明以便安裝及正常使用。您的產品將無法得到正常的保修和銷售，不正常的安裝與使用所造成的產品損壞，本產品具備免費權利。

3合1調光功能說明
- 在DIM+和DIM-之間連接一個可變電阻(10K~100K resistor)或連接1~10Vdc交流電壓或10V / PWD信號，此調整亮度。
- 將DIM+ / DIM-與AC L / AC N相連接。這樣會造成LED驅動器損壞。
- 功能控制在DIM+ / DIM-之間，亮度調整為100%。

3合1調光功能不能提高照明開關(0%)，要達到照明開關開關(0%)建議使用有開關SW的調光器。

相關詳情3合1調光功能說明，請至：http://www.glaciallight.com/products/PDF/3in1Dimming-Function.pdf

安裝指南

1. 拆解GL-Down Light系列包裝箱。
2. 將LED電源驅動器與GL-Down Light系列平板燈小心地取出包裝箱。
3. 將LED電源的DC輸出連接器與平板燈相連接(紅色對紅線，黑色對黑線)，切勿將LED平板燈接上任何不匹配的電源驅動器以免造成產品損壞。
4. 打開開關啟動GL-Down Light。

* 3合1調光功能

- 選擇調光線到電源驅動器DIM+/DIM-。
- 不將DIM+ / DIM-與AC L / AC N相連接，這樣會造成LED驅動器損壞。

7. 依據LED燈的型號建議挖孔尺寸在天花板上進行挖孔。

型 號 | 挖孔尺寸
--- | ---
GL-DL04 | Ø100mm
GL-DL06-IP | Ø152mm
GL-DL06 | Ø165mm
GL-DL08-IP | Ø200mm
GL-DL08 | Ø225mm
GL-DL10 | Ø285mm

8. 將燈具彈簧向上扳直，並將燈具向上推進嵌入後，燈具會自然夾緊板厚。

9. 打開開關啟動GL-Down Light。

指示說明

為了本產品安裝便利性與產品最佳表現，請遵照下列安全規定執行安裝。
- 小心地拆卸並確認運送過程中產品無造成損壞，若發現任何運送損壞請退回給供應廠商。
- 使用特定捻接方法，勿將本產品連接至調光開關。
- 任何關於電氣特性的連接或安裝，請委由合格的施工人員進行，以避免人員或產品傷害。
- 任何因液體接觸造成本產品損壞皆會有導致情況，請即刻移除電源。
- 當發生故障時，請即刻關閉電源。切勿試圖自行修復本產品否則將可能導致產品嚴重損壞與喪失保固。
- 應聯絡您的經銷商尋求技術協助。
- 請回收包裝材料。

燈具使用注意事項

- 燈具沾染或發熱時，請勿觸碰燈具。
- 使用特定捻接方法，將燈具安裝在潮濕的環境。
- 適合安裝的環境溫度為-20~40°C。

故障排除

- 當你使用燈具時，可能會出現以下問題
  - 燈具不亮
    - 請檢查燈具的電源線是否適當接電源。
  - 燈具清潔
    - 建議週期性地以乾布擦拭，塵鈴或吸塵器清潔燈具。勿用水或化學液體清潔燈具。

警告

1. 如果燈具外部接線有損壞，應當由製造商、代理商或符合資格的施工人員做更換，以免發生危險。
2. 安裝前，請確實關閉交流電源。

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