



INSTALLATION INSTRUCTION MANUAL

LED FLOOD LIGHT, 120-277 & 277-480V AC

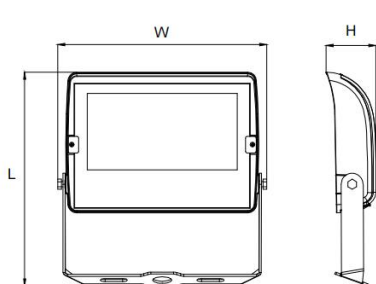
Rev 1.0 June. 2022

SERIES:

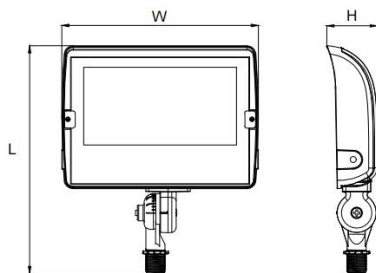
**CLF4-15VP3KNBR; CLF4-15VP5KNBR; CLF4-30VP3KNBR; CLF4-30VP5KNBR; CLF4-60VCCTKNBR-TN;
CLF4-60VCCTYKBR-TN**

Model number parameter list:

Item	Model	Input Voltage	Watt	Input Current	Maximum Weight
1	CLF4-15VP3KNBR	120-277VAC 50/60HZ	15W	0.125 A	0.39KG
2	CLF4-15VP5KNBR		15W	0.125 A	0.39KG
3	CLF4-30VP3KNBR		30W	0.25A	0.80KG
4	CLF4-30VP5KNBR		30W	0.25A	0.80KG
5	CLF4-60VCCTKNBR-TN		60W	0.5A	1.11KG
6	CLF4-60VCCTYKBR-TN		60W	0.5A	1.34KG



YK



KN

1. Suitable for use in the following locations:

- Ambient Temp: -40~+40°C
- Wet Locations

Note: Save these instructions for future reference.

2. Installation

CAUTION – RISK OF FIRE MIN 90 °C SUPPLY CONDUCTOR

- This product should be installed, inspected, and maintained by a qualified electrician only, in accordance with all applicable electrical codes.

•CAUTION:

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION

CAUTION – RISK OF SHOCK DISCONNECT POWER BEFORE SERVICING

- Luminaire must be connected to a wiring system with an equipment-grounding conductor.

Warning:

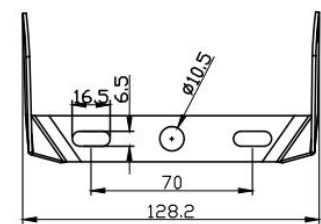
To avoid explosion:

- Make sure the supply voltage is the same as the rated luminaire voltage.
- Do not install where the marked operating temperatures exceed the ignition temperature of the hazardous atmosphere.
- Do not operate in ambient temperatures above those indicated on the luminaire nameplate.
- Keep lens tightly closed when in operation.

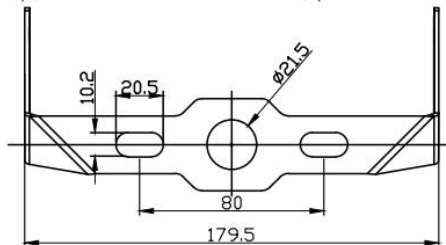
Installation Steps:

Refer to the following diagram when you install the fixture.

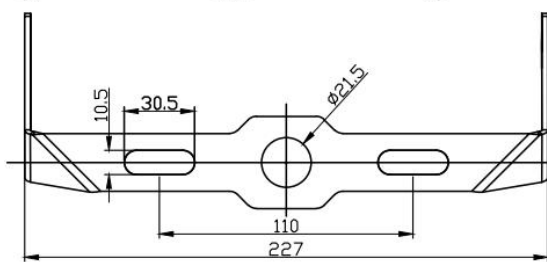
1. Directly fix to mounting surface



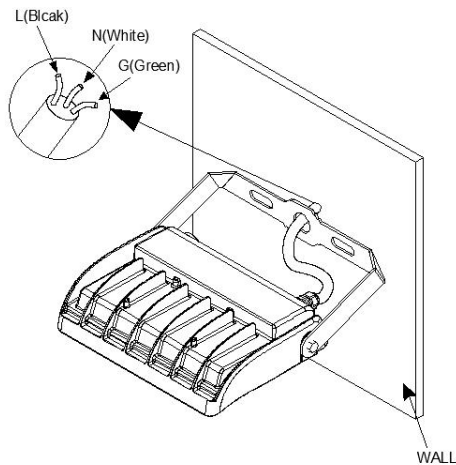
CLF4-15VPXYZZ



CLF4-30VPXYZZ



CLF4-60VCCTYYZZ-TN



1. Use expansion bolts to secure the fixture on mounting surface.

2. Keep enough length wires to ensure adjusting angle unhindered.

Connect wires into wiring terminal; white wire to “Neutral” terminal, black wire to “Live” terminal, green wire to “Ground” terminal; and fix them by screws.

2. Mounting with a knuckle



Secure service wire or conduit to the wiring compartment cover with 1/2” connector (not provided). Connect white fixture wire to white supply wire, black fixture wire to black supply wire. Service ground should be attached to green ground screw provided. Ground must be properly attached to avoid the risk of electrical shock. Use wire nuts, crimp-on lugs, or other approved devices to connect all wires, make sure connections are secure and that no loose wire strands are sticking out of connectors, Secure wiring compartment cover to fixture. With black and white connections inside the wiring compartment. Use UL and CUL Listed flexible steel waterproof conduit in trade sizes 1/2 and UL and CUL Listed Water-proof outlet box cove.

3.Function description of CCT&Wattage Tunable:

If the luminaire is designed to be CCT & Wattage tunable. Please unscrew the knob cap to select the corresponding CCT & Wattage,as shown in Fig. 1. Screw the knob cap after using the CCT & Wattage tunable function.

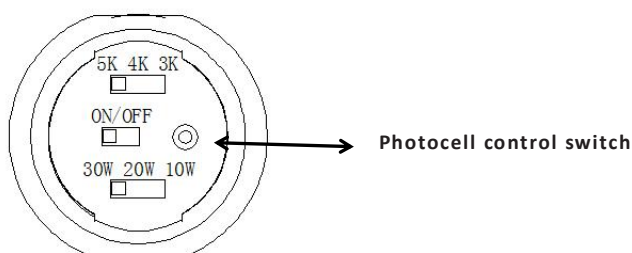
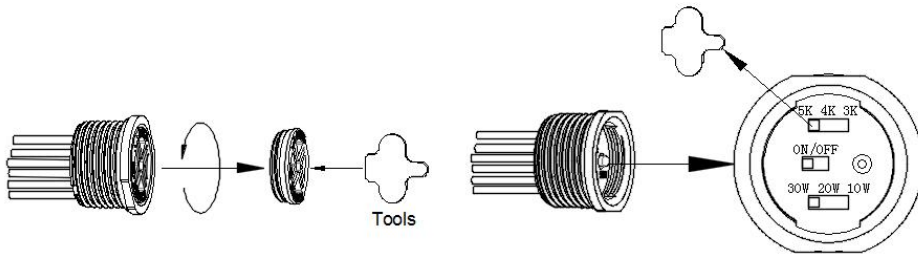


Fig. 1

Photocell, Watt and CCT controller (optional)
DO NOT SWITCH UNDER LOAD.
KEEP PROTECTIVE BARRIER IN PLACE
DISCONNECT POWER BEFORE SERVICING





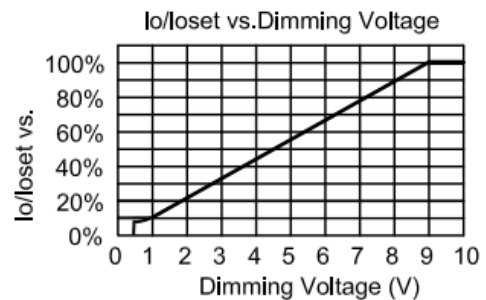
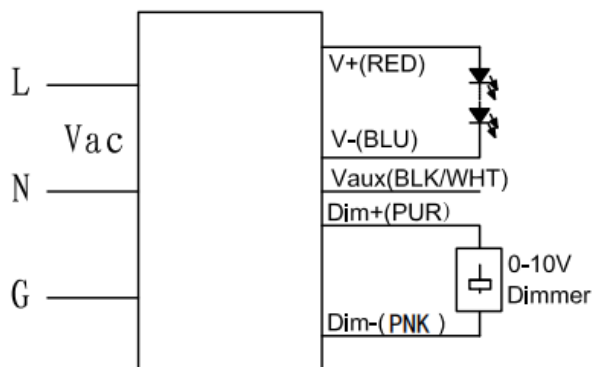
Make sure to re-tighten the transparent cap after debugging.

According to the watt and CCT selectable label shown in the diagram, please toggle the DIP to select the corresponding watt and CCT.

4. Instructions for dimming

● 0/1-10V Dimming

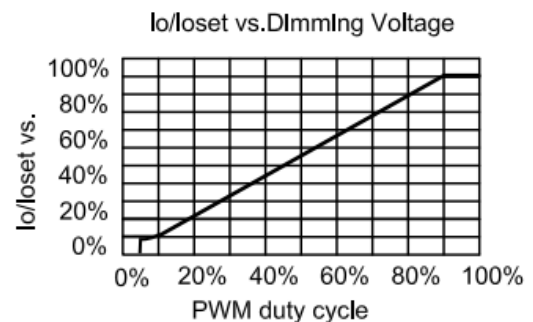
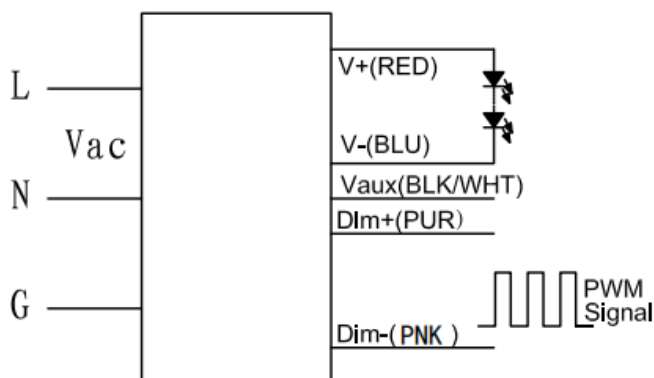
The recommended implementation of the dimming control is provided below.



Notes:

1. The dimmer can also be replaced by an active 0/1-10V voltage source signal or passive components like resistors and zener.
2. Do NOT connect Dim- to the output V- or V+, otherwise the driver will not work properly.
3. If 0/1-10V dimming is not used, Dim+ should be open.

● PWM Dimming

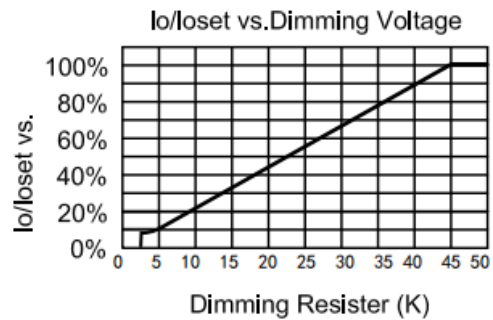
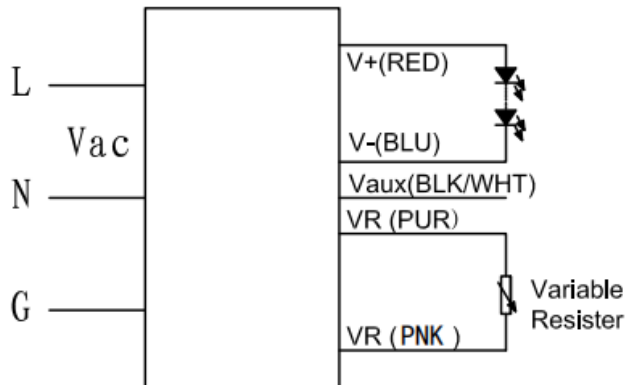


Notes:

1. Do NOT connect Dim- to the output V- or V+, otherwise the driver will not work properly.
2. If PWM dimming is not used, Dim+ should be open.

● VR Dimming

The recommended implementation of the dimming control is provided below.



Notes:

1. Do NOT connect Dim-to the output V- or V+, otherwise the driver will not work properly.
2. If Variable Resistor dimming is not used, Dim+ should be open.

***Dimming function is only available for
CLF4-60VCCTKNBR-TN & CLF4-60VCCTYKBR-TN**

After installation, please

- check whether the lighting fixture is firmly fixed.
- check whether wires are connected correctly.
- **At last, turn on the power, and check if the lighting fixture works well. If not, please turn off the power and contact with local dealer.**