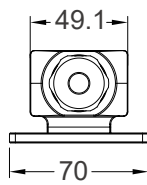


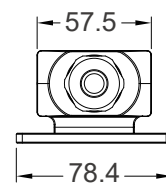
# FLH Series

Industrial LED Linear Light





FLH O



FLH O1



Heat Sink Cover O



FLH1

FLH2

FLH3

FLH4

## Product Description

FLH Series Linear Light is a type of linear lighting fixture that utilizes LED light sources. With its minimalist and hidden design and highly flexible modular connectivity, it surpasses traditional lighting and has become a mainstream choice for shaping modern spatial light and shadow artistry. Available in a wide range of sizes for various applications.

## Features

- Easy 240° angle adjustment with 3mm Hex Key
- Compact and rugged structure, easy for installation
- All exposed fasteners with quality stainless steel
- Aluminum housing, great corrosion resistance and cooling performance

## Compliance

- Class I, Division 2, Groups A, B, C and D;
- Class II, Division 2, Groups F and G;
- Class III

## Compliance

- Power Plants
- Heavy Industrials Storage Facility
- Paper mills
- Wastewater Treatment Plants
- Loading Docks Platforms
- Offshore Environments
- Chemical Processing Facility
- Petrochemical Processing Facility
- Metallurgical Industry
- Food and Alcohol industry

## Warranty

- 5-Year Standard Warranty
- LED lumen Maintenance: L70> 150,000 Operation Hours@55°C

## Technical Parameter

### • Electrical

| Specification   | EX-xxW FLH1<br>YZEEFGHIJ   | EX-xxW FLH2<br>YZEEFGHIJ | EX-xxW FLH3<br>YZEEFGHIJ | EX-xxW FLH4<br>YZEEFGHIJ |
|-----------------|----------------------------|--------------------------|--------------------------|--------------------------|
| Rated Power     | 5/8/10/12W                 | 6/10/15/20/25W           | 15/20/25/30W             | 10/20/25/30/ 35/40/45W   |
| Input Voltage   | 11-16/22-28VDC, 120/277VAC |                          |                          |                          |
| Input Frequency | 50/60Hz                    |                          |                          |                          |
| Power Factor    | > 0.9                      |                          |                          |                          |

### • Optical

| Specification     | EX-xxW FLH1<br>YZEEFGHIJ                                    | EX-xxW FLH2<br>YZEEFGHIJ | EX-xxW FLH3<br>YZEEFGHIJ | EX-xxW FLH4<br>YZEEFGHIJ |
|-------------------|-------------------------------------------------------------|--------------------------|--------------------------|--------------------------|
| Lumen Output (DC) | 600lm-1488lm                                                | 744lm-3100lm             | 1860lm-3720lm            | 1240lm-5580lm            |
| Efficiency        | AC:110lm/W ; DC:124lm/W                                     |                          |                          |                          |
| CCT               | 1700K/2000K/2700K/3000K/4000K/5000K/5700K/6000K/6500K/7500K |                          |                          |                          |
| CRI               | > 70                                                        |                          |                          |                          |
| Beam Angle        | 30°/40°/60°/90°/120°/T2/T3/T5                               |                          |                          |                          |

### • Environmental

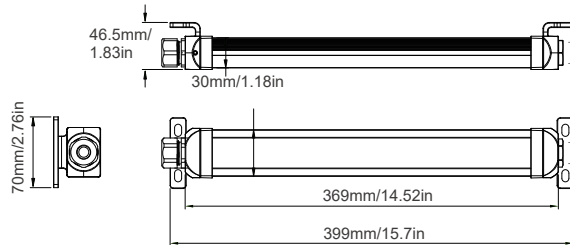
| Specification       | EX-xxW FLH1<br>YZEEFGHIJ | EX-xxW FLH2<br>YZEEFGHIJ | EX-xxW FLH3<br>YZEEFGHIJ | EX-xxW FLH4<br>YZEEFGHIJ |
|---------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Ambient Temperature | -40°C to +60°C/T6        |                          |                          |                          |

### • Mechanical

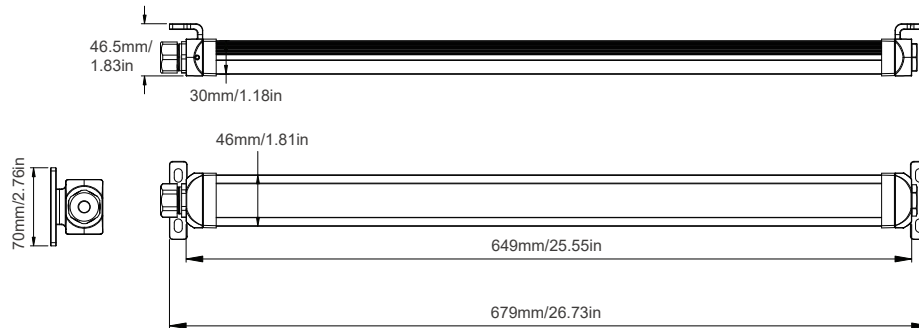
| Specification    | EX-xxW FLH1<br>YZEEFGHIJ                         | EX-xxW FLH2<br>YZEEFGHIJ | EX-xxW FLH3<br>YZEEFGHIJ | EX-xxW FLH4<br>YZEEFGHIJ |
|------------------|--------------------------------------------------|--------------------------|--------------------------|--------------------------|
| Housing Material | 6063 Aluminium alloys                            |                          |                          |                          |
| Diffuser         | Clear Glass, Frosted Glass, Clear PC, Frosted PC |                          |                          |                          |
| Hardware         | Stainless steel                                  |                          |                          |                          |
| Mounting         | Ceiling, Chain mounting                          |                          |                          |                          |
| Protection       | Protection                                       |                          |                          |                          |

Product Dimensions Unit: mm

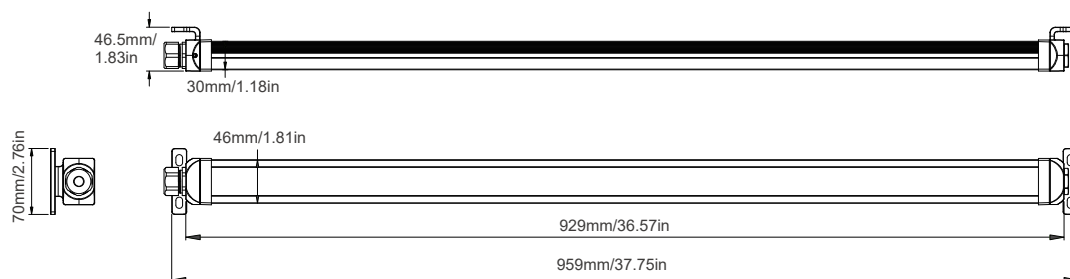
• FLH1 O



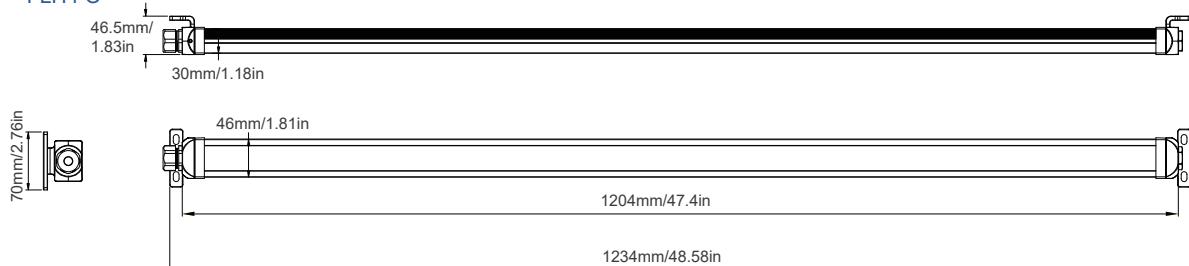
• FLH2 O



• FLH3 O

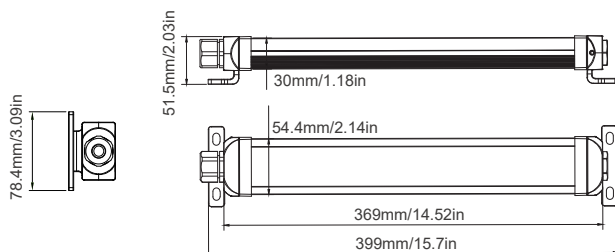


• FLH4 O

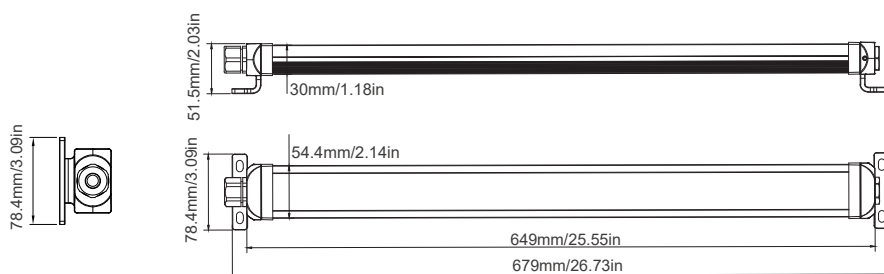


Product Dimensions Unit: mm

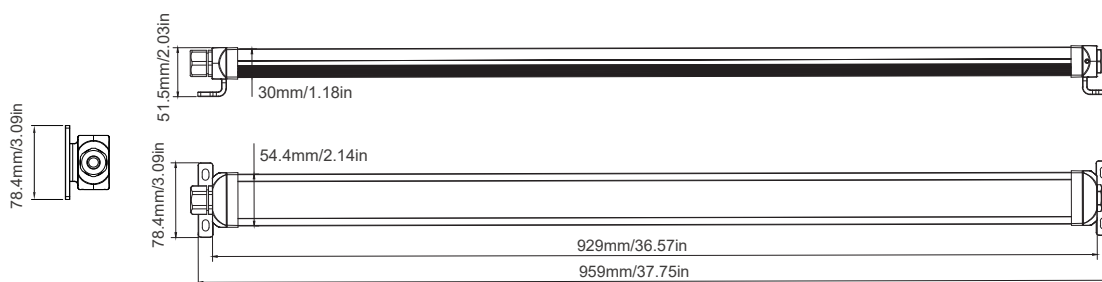
• FLH1 O1



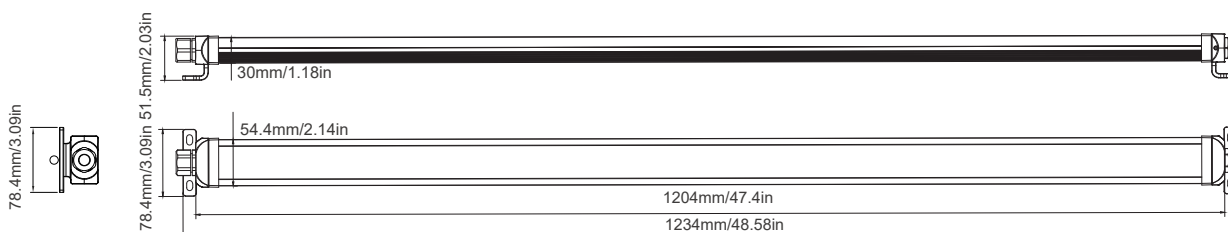
• FLH2 O1



• FLH3 O1

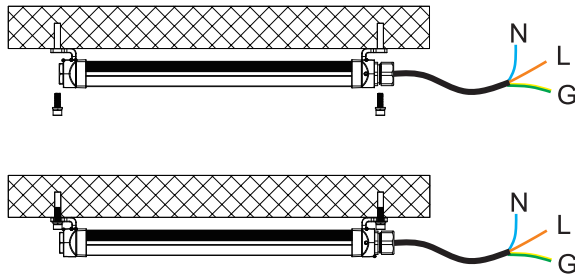


• FLH4 O1



Product Dimensions Unit: mm

• Option 1: Ceiling Mounting

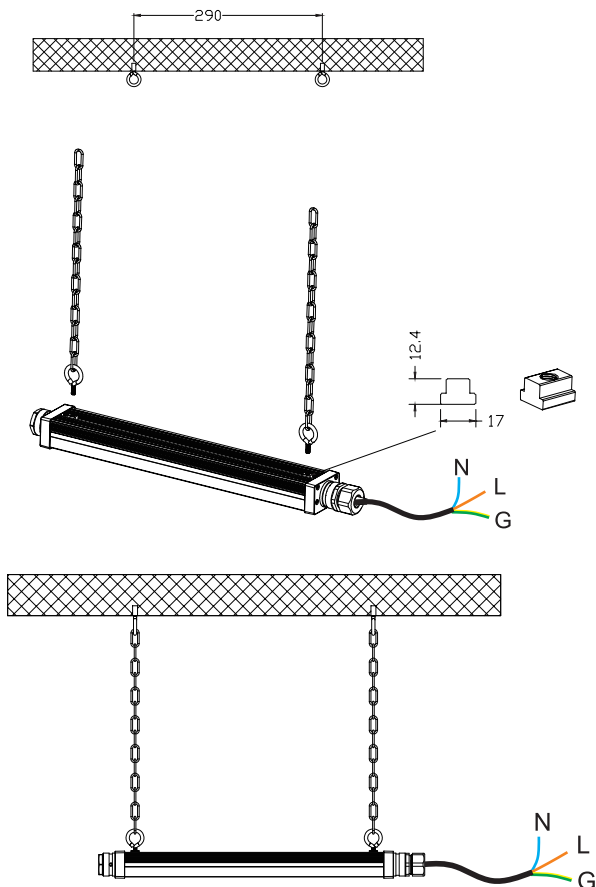


*"The luminaire shall not be opened"*

1. Strain Relief Bushing UL Listed (QCRV/7), 3/4" NPT, suitable for wet location or outdoor use
2. Input Cord (type XXXX), connected to a junction box using a UL Listed (QCRV/7) waterproof strain relief bushing.
3. Lens Facing Down 0°~120° From Vertical Only

1. Drill two holes on the ceiling and install expansion screws.
2. Secure the fixture with mounting bracket to ceiling.
3. Properly connect the wires and conduits.
4. Installation completed.

• Option 2: Chain Mounting



*"The luminaire shall not be opened"*

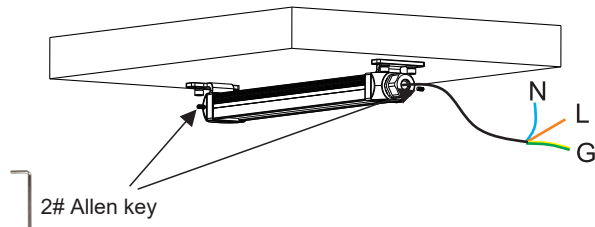
1. Drill two 5MM diameter holes on the ceiling with a distance of 290MM between them. Install the lifting rings. As long as the distance between the holes does not exceed the length of the lamp body, it is fine (taking FLH1 as an example).

2. Screw the lifting ring into the slider on the lamp body and then tighten the lifting ring.

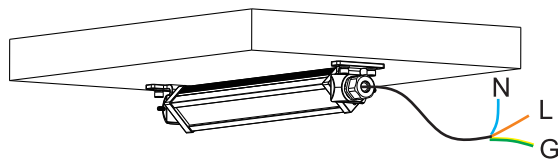
3. Hang the hanging chains on the hanging rings on both sides of the lamp body and connect the hanging chains to the hanging rings on the ceiling to complete the installation.

Product Dimensions Unit: mm

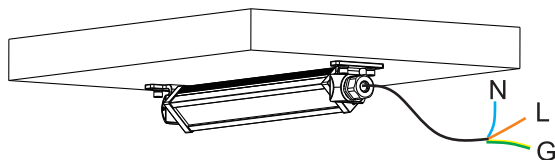
• Method for adjusting the light Angle



1. Use a No. 2 Allen wrench to loosen the set screws on both sides.

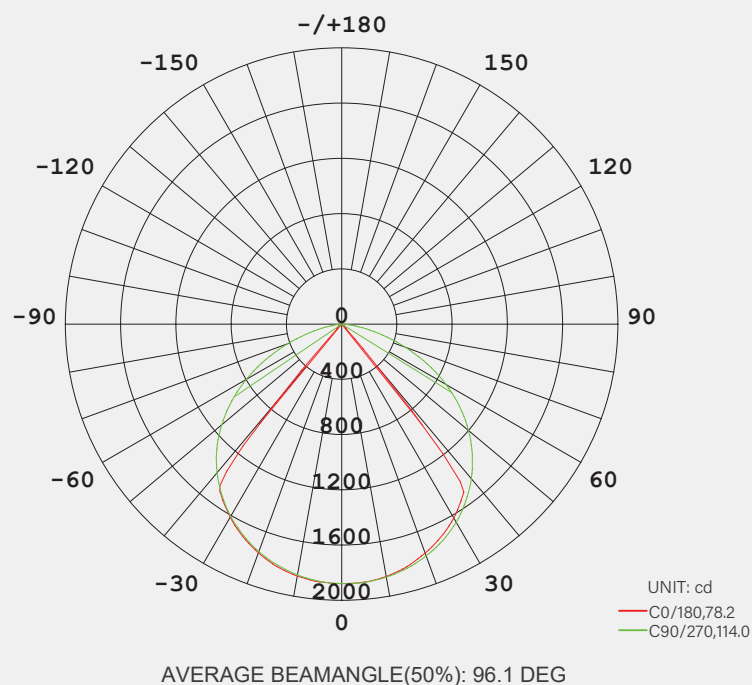


2. Rotate the lamp body and adjust it to the appropriate light emission Angle.

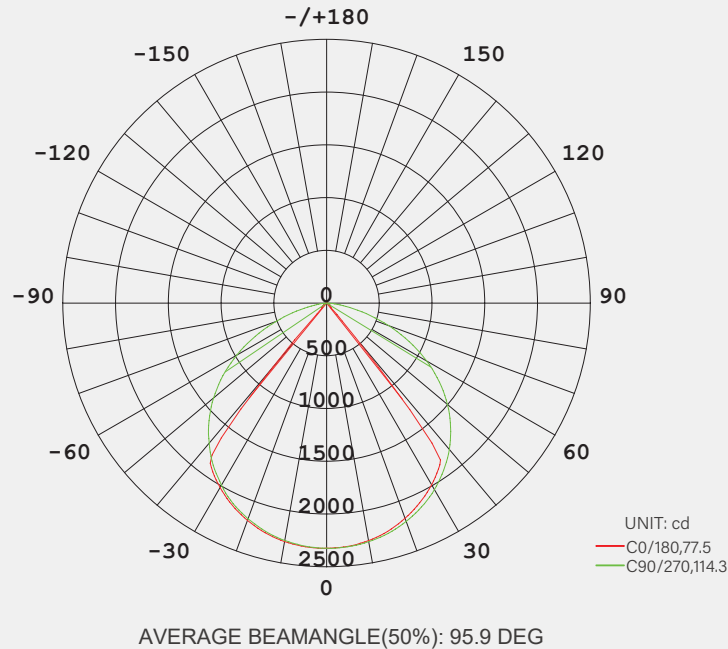


3. Then, use a No. 2 wrench to tighten the set screws on both sides. Complete the adjustment.

Photometric FLH3 (120°)



## Photometric FLH4 (120°)



## Ordering Guide

EX - xxW FLHx Y Z E E F G I J

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| <p>① <b>Basic model series</b><br/>EX – for all luminaires</p>                                                                                                   | <p>② <b>Input wattage</b><br/>FLH1: 5W/8W/10W/12W<br/>FLH2: 6W/10W/15W/20W/25W<br/>FLH3: 15W/20W/25W/30W<br/>FLH4: 10W/20W/25W/30W<br/>35W/40W/45W</p>                                             | <p>③ <b>Length</b><br/>FLH1 = One Feet<br/>FLH2 = Two Feet<br/>FLH3 = Three Feet<br/>FLH4 = Four Feet</p>          | <p>④ <b>Dimming function</b><br/>N – No Dimming</p>                                       |
| <p>⑤ <b>CCT</b><br/>17=1700 K 20=2000 K<br/>27=2700 K 30=3000 K<br/>40=4000 K 50=5000 K<br/>57=5700 K 60=6000 K<br/>65=6500 K 75=7500 K<br/>G=Green B = Blue</p> | <p>⑥ <b>Beam angle</b><br/>D30 = 30 degrees<br/>D40 = 40 degrees<br/>D60 = 60 degrees<br/>D90 = 90 degrees<br/>D120 = 120 degrees<br/>T2 = 60 degrees<br/>T3 = 90 degrees<br/>T5 = 120 degrees</p> | <p>⑦ <b>Diffuser type</b><br/>Blank = Clear Glass<br/>FG = Frosted Glass<br/>CP = Clear PC<br/>FP = Frosted PC</p> | <p>⑧ <b>Heat Sink Cover</b><br/>Blank = Heat Sink Cover O<br/>O1 = Heat Sink Cover O1</p> |
| <p>⑨ <b>Mounting Type</b><br/>Blank = Ceiling mounting<br/>M2 = Pendant mounting</p>                                                                             | <p>⑩ <b>Input Voltage</b><br/>Blank = 120V<br/>D = DC input<br/>M = 277V</p>                                                                                                                       | <p>⑪ <b>Commercial use</b><br/>Can be xx</p>                                                                       |                                                                                           |