

we-ef

WE-EF LIGHTING USA LLC

410-D Keystone Drive

Warrendale, PA 15086

USA

Tel +1 724 742 0030

Fax +1 724 742 0035

info.usa@we-ef.com

www.we-ef.com

we-ef

WE-EF LIGHTING USA LLC

Installation and Maintenance

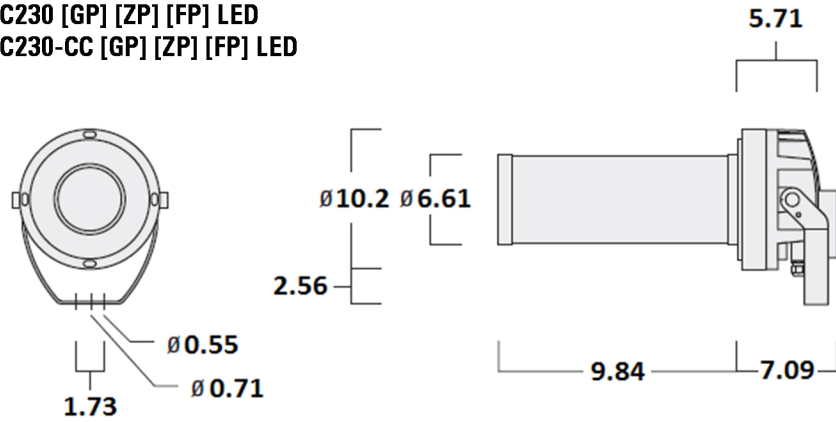
Instructions for

FLC230 Profile Projector



Technical specifications are subject to change
© WE-EF 2013

Installation and Maintenance
Instructions for
Projector series:
FLC230 [GP] [ZP] [FP] LED
FLC230-CC [GP] [ZP] [FP] LED



Light source:

FLC230 [GP] [ZP] [FP] LED: 12 LED 36W
 FLC230-CC [GP] [ZP] [FP] LED: 12 LED 42W

This product should be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved. Be sure the electrical supply is off prior to installation.

These fixtures are intended to be mounted within 2' of a wet location junction box with a fitting suitable for 16-3 SEOW (appropriate .405" OD) cable. For pole mount applications, refer to the installation instructions supplied with the pole mount accessory.

1. Prior to electrical connection, proceed with mechanical installation by firmly fixing yoke A to optional mounting accessory or directly to a suitable surface.

Caution: Make sure not to damage any electric cable, water pipe or other devices while drilling holes.

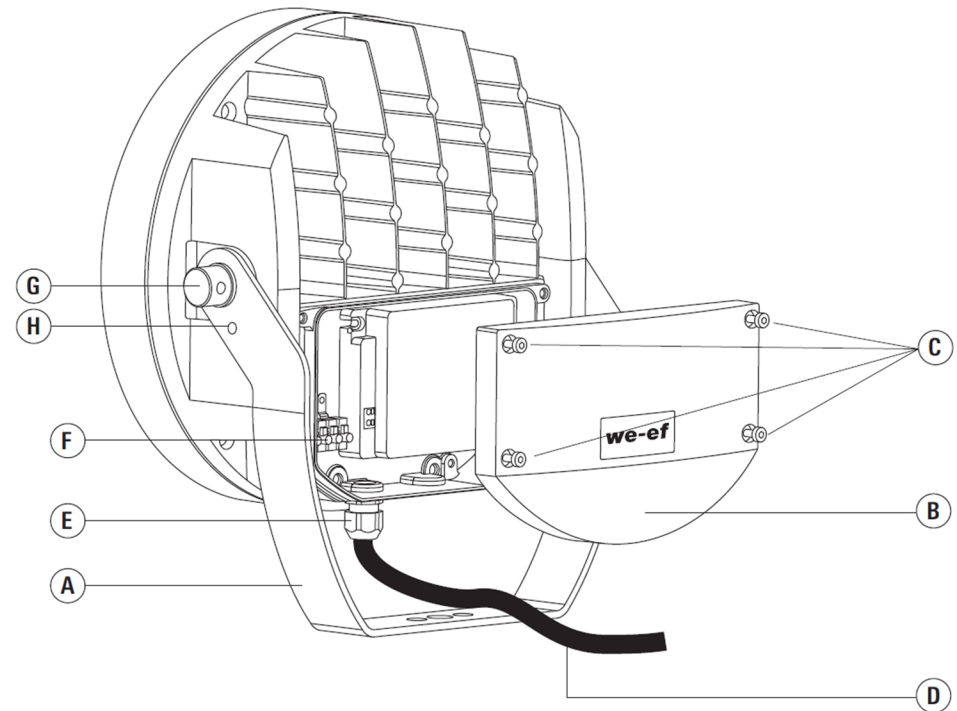
2. Adjust the fixture position by loosening the protractor clamp locking screw H and then the 2 mounting knobs G on either side of the fixture.

3. Rotate the fixture to its approximate aiming position.

4. Tighten the mounting knobs G and locking clamp screw H (see torque chart).

5. Check that the electrical supply conforms with the ratings shown on the fixture labels and leads extending from the fixture. Make the electrical connection in the junction box.

Screw	Torque
M4	max. 17.7 in-lb (2 Nm)
M5	max. 35.4 in-lb (4 Nm)
M6	max. 53.1 in-lb (6 Nm)
M8	max. 133 in-lb (15 Nm)
M16	max. 885 in-lb (100 Nm)



Lamp Replacement and Maintenance

Do not open luminaire while in operation or while mains supply is switched on!

Apart from cleaning the product's exterior surfaces, no special maintenance work is required. Do not use high-pressure cleaners.

Protect our environment: Discard used LEDs in compliance with the most recent environmental legislation.

**Installation and Maintenance
Instructions for
Projector series:
FLC230 [GP] [ZP] [FP] LED
FLC230-CC [GP] [ZP] [FP] LED**

Adjusting the lenses

The profile projector must be in operation when the lenses are being adjusted, these adjustments may not be made in the rain, snow, or in the event of increased humidity.

Caution: Do not touch the LED area!

1) **Fig. 1:** Slightly loosen the fasteners J; do not remove them. Turn the profile K to the left and carefully remove it by pulling it towards the front.

2) Remove the transport lock L from inside the profile K.

3) **Fig. 3:**
The retainer N with the desired insert always remains in the position set at the factory.
Do not change it!

-Gobo Projector [GP] - Fig. 5:
Insert the gobo M (motif up to a maximum diameter of 60mm) into the retainer N. To do so, slide the retention springs P outwards, insert the gobo M, align and slide the retention springs P back into place to secure it.

-Zoom Projector [ZP] - Fig. 5:
Only if you have ordered an additional perforated glare shield U, is this shield inserted, aligned, and secured like a gobo M in the retainer N.

-Frame Projector [FP] - Fig. 6:
The contour of the emitted light may be set with the four shutters X by using the contour slide O in the retainer N. To do so, unscrew the four knurled fasteners T3, set the desired contour by moving the shutters X and tighten the knurled fasteners T3.

Screw	Torque
M4	max. 17.7 in-lb (2 Nm)
M5	max. 35.4 in-lb (4 Nm)
M6	max. 53.1 in-lb (6 Nm)
M8	max. 133 in-lb (15 Nm)
M16	max. 885 in-lb (100 Nm)

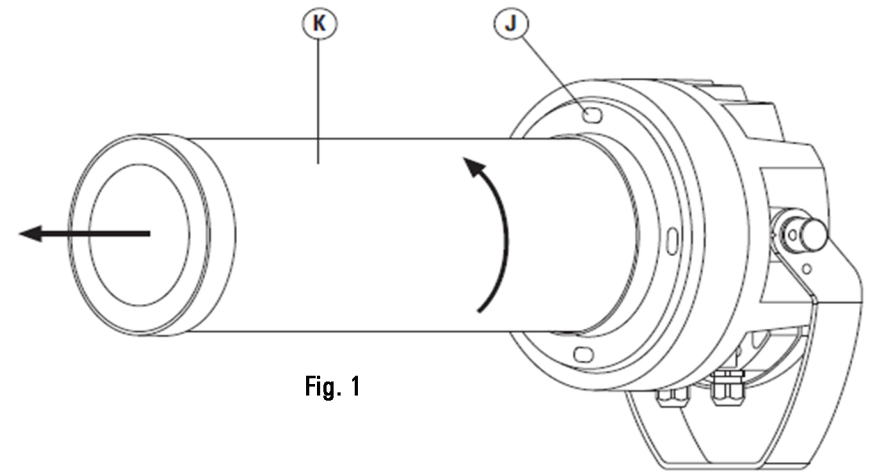


Fig. 1

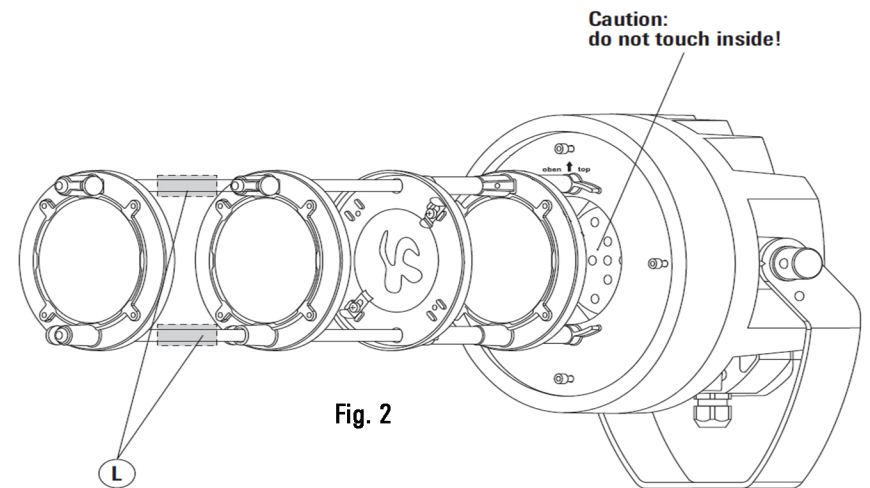


Fig. 2

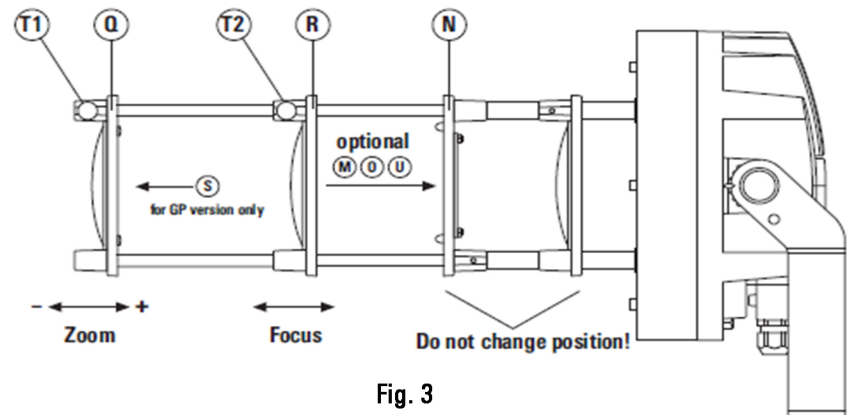


Fig. 3

**Installation and Maintenance
Instructions for
Projector series:
FLC230 [GP] [ZP] [FP] LED
FLC230-CC [GP] [ZP] [FP] LED**

4) **Fig. 3:** To set the image size, loosen the knurled fasteners T1 on the zoom lens Q, and move until the desired size has been achieved.

5) **Fig. 3:** To focus, loosen the focus lens R with the knurled fasteners T2 and move until the image is sharply delineated. Tighten all knurled fasteners T again.

6) Fig. 4 - only on [GP]

A shutter S (D=42mm) is located directly behind the zoom lens Q. This is designed to improve the quality of the image (sharpness) but reduces the intensity of the light.

-The shutter S may be simply removed by unscrewing the four fasteners W if a higher intensity of light is required. Please keep in mind that this measure will reduce the quality of the image (sharpness), particularly in the outer areas.

7) Clean the lenses with the provided microfiber cloth, carefully slide the profile K over the lens, turn it to the right and secure it with the four fasteners J once all the desired settings have been made.

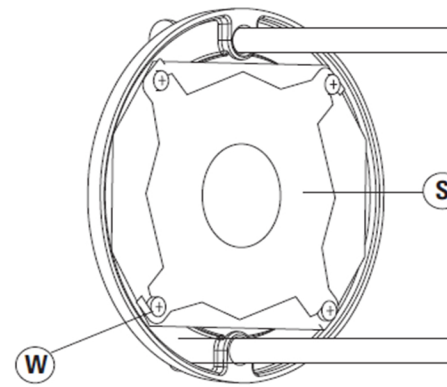


Fig. 4

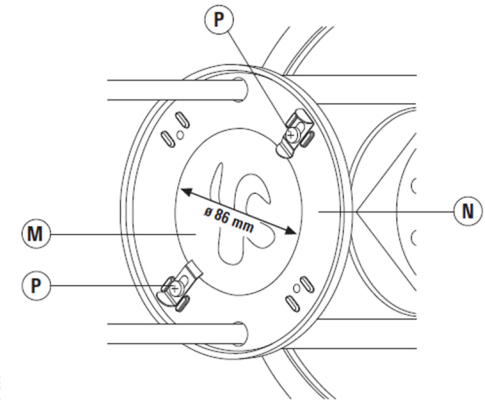


Fig. 5

Screw	Torque
M4	max. 17.7 in-lb (2 Nm)
M5	max. 35.4 in-lb (4 Nm)
M6	max. 53.1 in-lb (6 Nm)
M8	max. 133 in-lb (15 Nm)
M16	max. 885 in-lb (100 Nm)

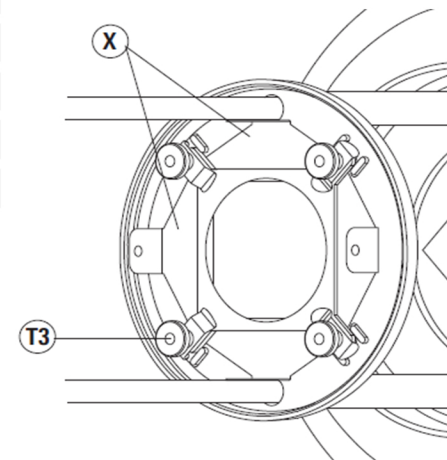
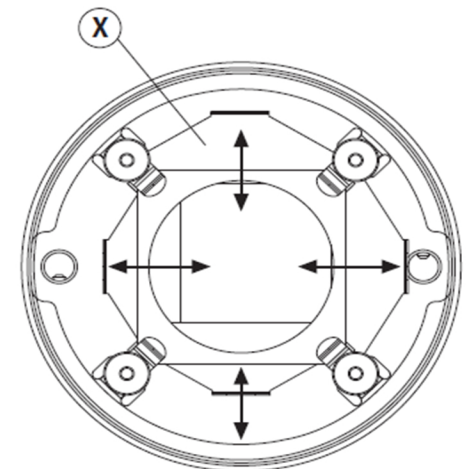


Fig. 6



Framing 0 - FP