

USER MANUAL OF RETROFIT KITS

WARNING:

- Risk of Fire/Electric Shock - Installation must be done by a qualified electrician.
- For your safety read and understand instructions completely before starting installation.

Important steps that should be followed before installing LED retrofit kits:

1. Make certain power is OFF before starting installation. Remove bulb and existing ballast or cut the wires to the ballast and bypass it.
2. For Longest Life & Keeping the LED Head & Driver cool - PERMANENTLY REMOVE THE FIXTURE'S REFLECTOR. RETROFIT WARRANTY IS VOID IF THE FIXTURE'S REFLECTOR IS NOT REMOVED.
3. Wipe excess dust from inside the fixture. Clean the fixture's glass if dirty.

The LED retrofit kits can be either mounted by "L bracket", or by "Flat plate", both are provided.

Installation option: Mounting by "L bracket":

1. Mount the pre-assembled bracket (see FIG.1) to fixture (see FIG.2 for an example).



FIG.1



FIG.2

2. There is a mounting port on the top of the LED head. Insert the port to the bracket, and then attach the metal cord (already with one end attached to the bracket) to the LED head, by fixing it to a screw hole on the side of the LED head, using a butterfly screw (provided).

If the metal cord is not tight, adjust the length of it and make sure it's tight, such that the LED head is firmly locked with the bracket. The butterfly screw can be used without tool (see FIG 3).

Firstly, insert the port to the bracket.

Secondly, attach this metal cord (one end already fixed on the bracket) to the LED head, by fixing it in a screw hole on the side of the LED head, using a butterfly screw (provided)

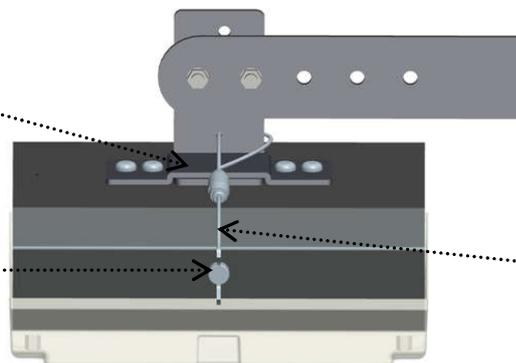


FIG.3

Thirdly, if the metal cord is not tight, adjust the length, and **MAKE SURE THE CORD IS TIGHT!**

3. Secure the metal cord(s) (already with one end attached the LED head, see FIG. 4) to the fixture, such that the head will not get inclined (This step is requested for LED retrofit kits from 75W to 350W.)

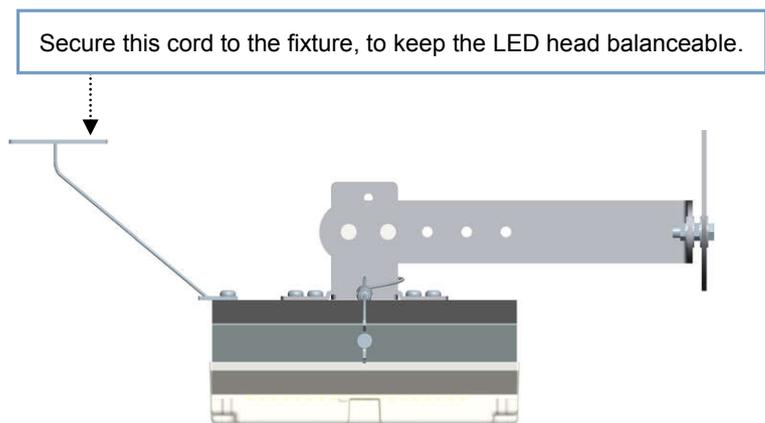


FIG.4

4. Remove the PC protective cover on the LED head (see FIG. 5). The PC cover is only meant to protect the LEDs during shipment and installation. It has to be removed after installation.

5. BE SURE THAT NOTHING WILL TOUCH OR FALL INTO THE FAN BLADES AFTER THE FIXTURE IS MOUNTED.

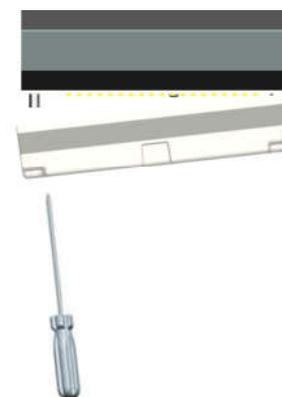


FIG.5

Installation option: Mounting by “Flat mounting plate”:

(This option is mostly used as a vertical mounting way):

1. To use this option, replace the pre-assembled “L bracket” with a “flat plate” (See FIG.6, FIG.7, FIG.8)

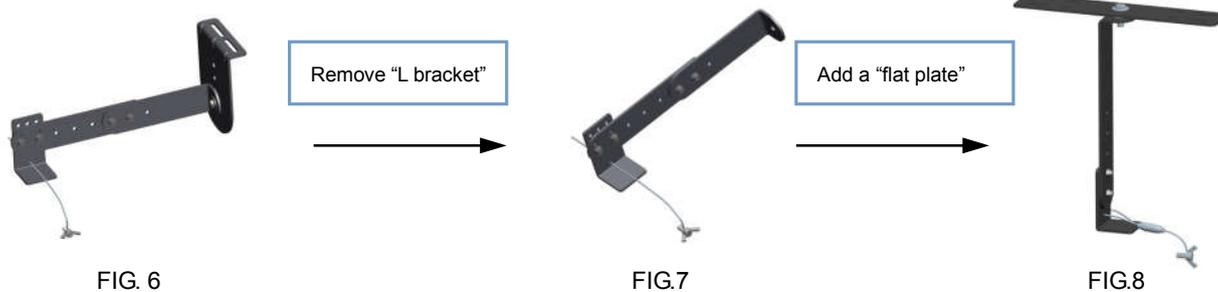


FIG. 6

FIG.7

FIG.8

2. Mount the bracket with flat plate to fixture (See FIG.9 for an example).

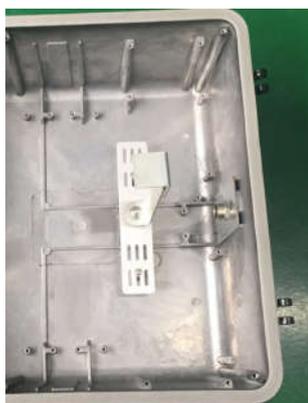


FIG.9

3. There is a mounting port on the top of the LED head. Insert the port to the bracket, and then attach the metal cord (already with one end attached to the bracket) to the LED head, by fixing it to a screw hole on the side of the LED head, using a butterfly screw (provided).

If the metal cord is not tight, adjust the length of it and make sure it's tight, such that the LED head is firmly locked with the bracket. The butterfly screw can be used without tool (see FIG 10).

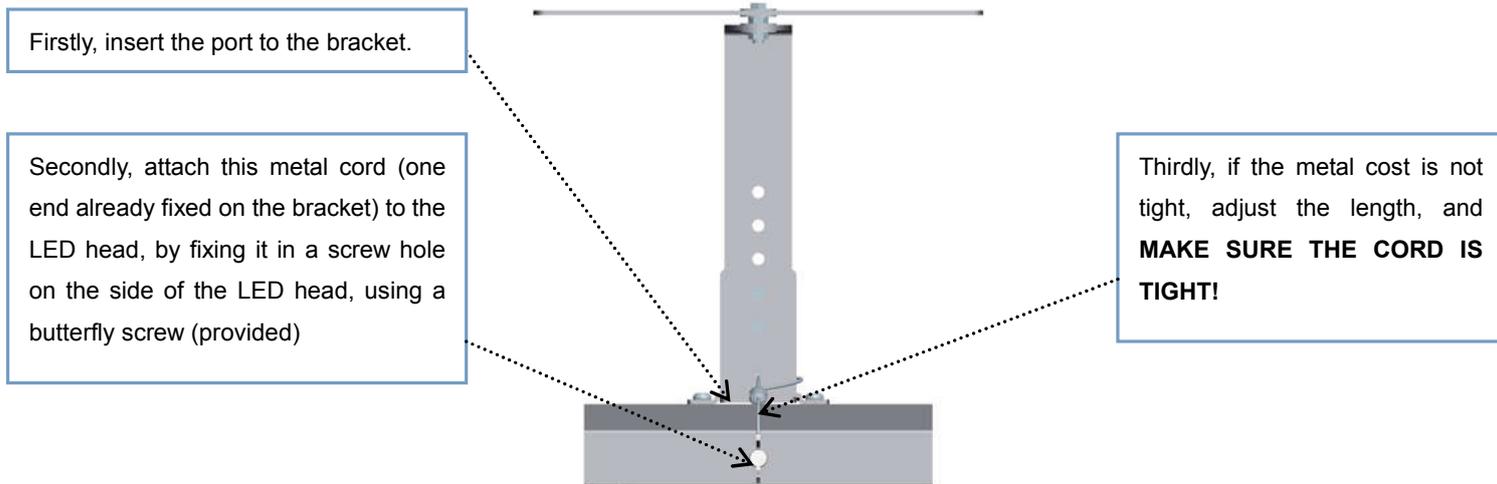
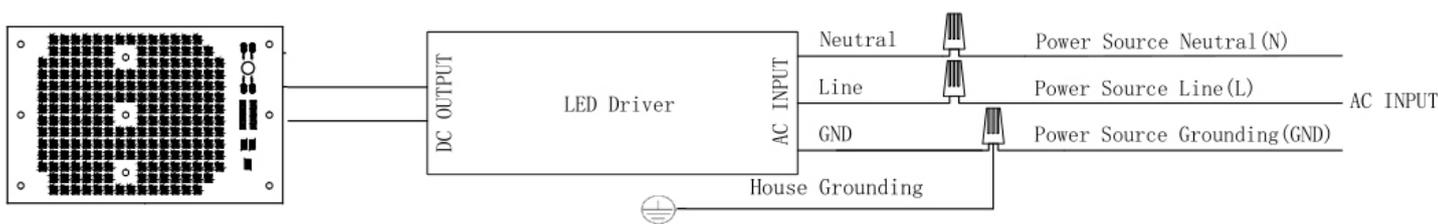


FIG. 10

4. Secure the metal cord(s) (already with one end attached the LED head, see FIG. 6) to the fixture, such that the head will not get inclined. (Refer to FIG.6)
5. Remove the PC protective cover on the LED head (Refer to FIG. 7). The PC cover is only meant to protect the LEDs during shipment and installation. It has to be removed after installation.
6. BE SURE THAT NOTHING WILL TOUCH OR FALL INTO THE FAN BLADES AFTER THE FIXTURE IS MOUNTED.

Wirings:

1. Install the LED driver in place of the ballast.
2. Wire the input source to the LED driver. The proper AC input connections to the driver are marked on the driver. There is a Ground, ACN (Neutral) and ACL (Line). VERY IMPORTANT: MAKE SURE THE WIRING IS PROPERLY GROUNDED.
3. Connect the output wires of the driver to the input wires of the LED Head: **Make certain to connect the Red Wire of the driver output to Red Wire of the LED head, and connect the Black Wire of the driver output to the Black Wire of the LED head.**
4. Re-assemble remaining parts of the fixture and restore power.
5. Never dim a non-dimmable LED driver. Not intended for use with emergency exits.



MODEL _____ WATTS _____

VOLTS _____ AMPS _____

RECOGNIZED COMPONENT



Intertek
4010246

CONFORMS TO UL ANSI/UL
STD 1598, UL SUB 1598C
CERTIFIED TO CAN/CSA



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