



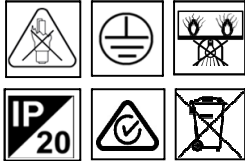
## INSTALLATION INSTRUCTIONS

### FLUORESCENT BATTENS

T5 Model :  
LP114/121/124/128/135/139/149/154/214/221/224/228/235/  
239/249/254

T8 Model :  
LP118/130/136/158/170/218/230/236/258/270

#### Specification:



Lamp type	T5	T8
Wattage	14W / 21W / 24W / 28W / 35W / 39W / 49W / 54W	18W / 30W / 36W / 58W / 70W
Lamp Base	G5	G13
Supply voltage	ECG : 220-240V	ECG : 220-240/ MCG : 240V 50Hz
Mounting type	Surface	Surface

- Important:**
1. The following contains important information and should be read carefully prior to installation.
  2. Luminaire to be installed by qualified persons only.
  3. For indoor and covered area application only (out of weather where humidity is less than 85% not condensing and temperature will not fall below 5°C).
  4. Ensure mains supply is disconnected prior to any maintenance or installation work.
  5. Change tubes and ballast upon failure.

#### Installation:

Remove fluorescent tube(s) by rotating it 90° and sliding free. (see Figure A, B & C)

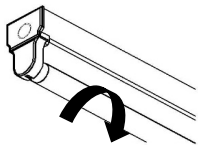


Figure A

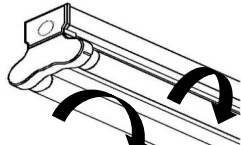


Figure B

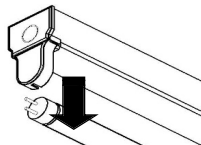


Figure C

2. Turn the toggles 90° to remove the cover plate (see Figure D)

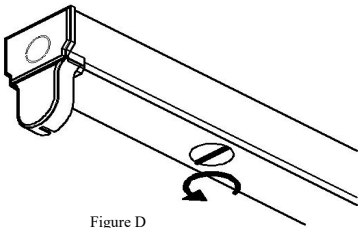
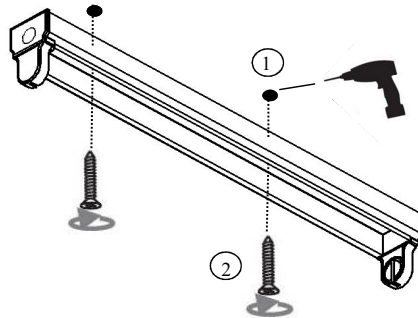
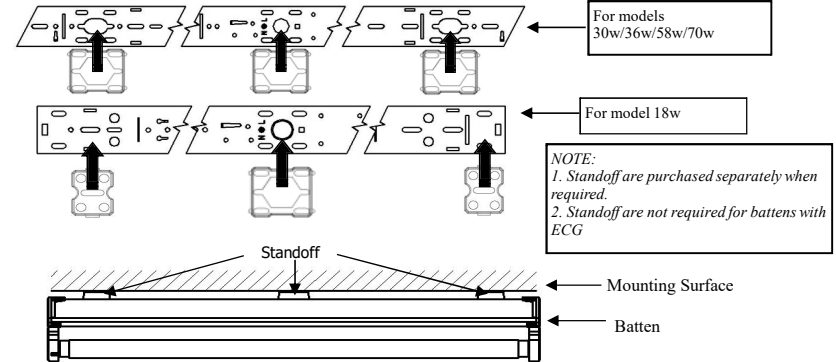


Figure D

3a. Surface mounted (non flammable surface); mount the fitting with screw (not supply)

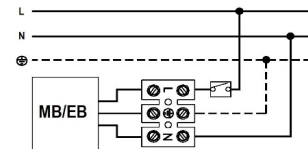


3b. Surface mounted (normally flammable surface); install standoff before mounting the fitting with screw

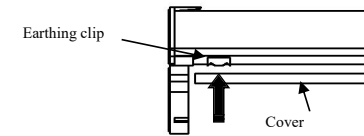


3c. Conduit mounting, mount directly on BESA conduit boxes.

4. Connect the incoming mains cable to the terminal block.



5. Installation is reverse of 1 & 2 ensuring that the cover is firmly installed over the earthing clips.



#### Lamp Replacement :

Remove fluorescent tube(s) by rotating it 90° and sliding free. (see Figure A, B & C)

Reinstalling tubes is reverse of A, B & C

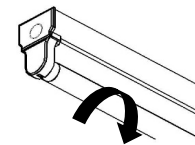


Figure A

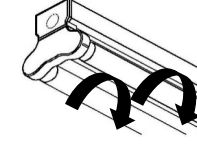


Figure B

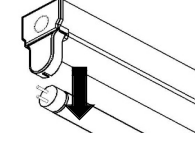


Figure C

**MCG Starter Replacement :** For 18W to 58W lamp use 155/500 or ST111 or FSU  
For Twin 18W lamp use 155/200 or ST151 or FS2  
For Twin 18W lamp use 155/200 or ST151 or FS2

#### Warning

##### Maximum loading of earth leakage and circuit protection devices

Note:

- The maximum number of ballasts connected to **earth leakage circuit protection devices** shall not be greater than 40 units for fixed output and 32 units all others or "that as recommended by the protective device supplier/manufacturer whichever is the smaller number".

- The maximum loading of automatic circuit breakers shall not be greater than those shown in the table supplied by the ballast manufacturer or "that as recommended by the protective device supplier/manufacturer whichever is the smaller number".