ToughLED™ Range

Installation instructions for ToughLED™ Weatherproof

a LEVITON company

Warnings and cautions

- To avoid electric shock 🗥 or serious injury or property damage, isolate power before installing, removing or servicing the product
- It is recommended that this product is installed by an electrician or a competent person with sufficient experience to install this product.
- To be installed in accordance with the local current wiring regulations and standards.
- Any broken or damaged parts should be replaced as soon as possible.
- JCC will not accept responsibility for claims arising from sub-standard installations; which will void the warranty
- Ensure that you have the tools and accessories required to complete the installation correctly
- The ambient room temperature should not exceed 25°C
- This luminaire is suitable for indoor or outdoor use: this product is IP65
- Emergency product routine inspection and tests must be undertaken at times of least risk and in accordance with EN 50172:2004.
- For emergency versions, the green indicator light is on for correct operation and off indicates a fault
- Battery life is 2 years, but must be replaced if fails test in accordance with EN 50172:2004

INSTALLATION

ENGLISH

- Mark and drill mounting holes for the snap-in ceiling clips at the correct spacing for the version being installed
- 2. Affix clips securely to ceiling.
- Clip the luminaire into place and ensure that it is secure before proceeding.
- 4. To gain access to the interior of the luminaire release the clips that secure the diffuser to the base section.
- 5. Separate the LED plate from the base by squeezing the securing clips inwards and pulling the plate away from the base There are permanent restraints that prevent the plate from falling during installation and servicing.
- 6. Wire the mains input supply to the terminal block as per the diagram shown below: Live, earth and neutral for standard versions and Switched live(L), Unswitched live(L1), earth and neutral for emergency versions
- 7. Connect required dimming control where appropriate
- 8 Connect batteries to commission for emergency versions
- 9. Refit LED plate, diffuser and diffuser clips. For additional security locking screws are provided for clips.
- 10. Power up fitting to ensure that it is functioning correctly.
- Allow 24hrs minimum charge for batteries on emergency versions before 11. testing.
- To change operation mode to test, isolate the mains power. This will switch the product into emergency mode. Once test is completed reconnect the mains power. Check indicator light is on for correct operation.

Standard Version Connection

Figure 1. 220-240V~ 50/60Hz / Class I



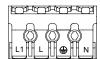
N = neutral

🚇 = earth

L = Live

Emergency Version Connection

Figure 2. 220-240V~ 50/60Hz / Class I



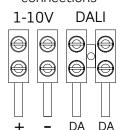
L1 = Unswitched live

L = Switched Live

= earth

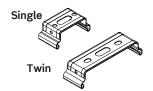
N = neutral

Dimming control connections



Fixing brackets

Fixing centres

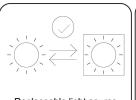


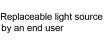


Single



Twin







Specifications

Colour temp: 4000K Ra: 80 Beam Angle: 120°

Model	Wattage	Lumen	lpcW	
JC71553WOP	18W	2050		
JC71553EM/WOP	18W	2050	114	
JC71553FR	18W	2300	128	
JC71553EM/FR	18W	2300	128	
JC71554WOP	37W	4300	116	
JC71554EM/WOP	37W	4300	116	
JC71554FR	37W	4700	127	
JC71554EM/FR	37W	4700	127	
JC71555WOP	27W	3200	119	
JC71555EM/WOP	27W	3200	119	
JC71555FR	27W	3400	126	
JC71555EM/FR	27W	3400	126	
JC71556WOP	57W	6150	108	
JC71556EM/WOP	57W	6150	108	
JC71556FR	57W	7000	123	
JC71556EM/FR	57W	7000	123	
JC71557WOP	35W	3800	109	
JC71557EM/WOP	35W	3800	109	
JC71557FR	35W	4300	123	
JC71557EM/FR	35W	4300	123	
JC71558WOP	70W	7100	101	
JC71558EM/WOP	70W	7100	101	
JC71558FR	70W	8600	123	
JC71558EM/FR	70W	8600	123	

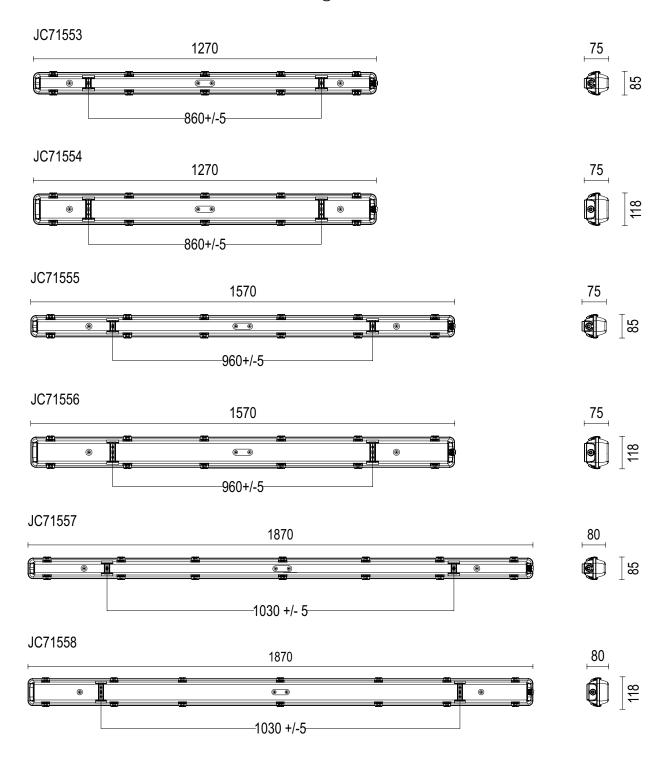
Available diffuser options: White Opal(WOP) or Frosted(FR). Dimmable or microwave versions also available. Add "DALI" or "/1-10V" or 'MW' to the end of the product number for dimmable or microwave versions: e.g. 'JC71553MW/FR' or 'JC71553FRDALI' or 'JC71553WOP/1-10V'

You can help protect the environment. Please remember to respect the local regulations: hand in the non-working electrical equipment to an appropriate waste disposal centre. The packaging material is recyclable. Dispose of the packaging in an environmentally friendly manner and make it available for the recyclable material collection service.



Profile & Dimensions

ToughLED™



All dimensions in millimetres

Important warranty information

This product is supported by a 2-year standard warranty which will extend to 5-years if registered within the first year of purchase. Please register at jcc.co.uk/warranty (Terms and conditions apply).

The installer will be asked to provide the following information, which is detailed on a label attached to the luminaire's chassis: Product Code/Date Code.

ToughLED™ Range



Emergency Range Routine Inspection & Test

All tests must be undertaken at times of least risk and in accordance with EN 50172:2004 as indicated below:

Daily: Indicators of central power supply shall be visually inspected for correct operation.

Monthly: (in addition to the daily check) If automatic testing devices are used, the results of the short duration tests shall be recorded. Test shall be carried out as follows:

- a) Switch the luminaire over to emergency mode to operate from the batteries by simulating a failure of supply to the normal lighting for a period sufficient to ensure correct luminaire operation
- NOTE: The period of simulation failure should be sufficient for the purpose of this clause whilst minimising damage to the system components e.g lamps. During this period, all luminaires and signs shall be checked to ensure that they are present, clean and functioning correctly. At the end of this test period, the supply to the normal lighting should be restored and any indicator lamp or device should be checked ensure that is showing that the normal supply has been restored.

Annually: If automatic testing devices are used, the results of the short duration tests shall be recorded.

For all other systems the monthly inspection shall be carried out and the following additional tests made:

- a) Each luminaire and internally illuminated sign shall be tested monthly as above but for its full duration in accordance with the manufacturer's information.
- b) The normal supply for the luminaire should be restored and any charge indicator lamp or device should be checked to ensure that it shows the normal supply has been restored. The charging arrangements should be checked for proper functioning.
- c) The date of the test and its results shall be recorded in the system logbook.

A copy of this report must accompany any fitting returned to the manufacturer for any reason.

General Information

Our products are designed to comply with the requirements of UK law and the relevant industry national and international standards and should not be modified in any way. All emergency lighting systems should comply with the recommendations of BS5266-1: Code of Practice for the Emergency Lighting of Premises and be installed by competent engineers in accordance with the relevant wiring regulations. Before installing any type of Emergency Lighting always seek the advice and approval of the local Fire Prevention Officer (or equivalent authority).

Maintenance

Failed or faulty light sources connected to this equipment should be replaced immediately. These units are designed especially for a long and trouble free life. Under normal conditions, will require no routine maintenance or service beyond the inspection and test regime of BS5266-1.

Both mains supply and battery protection fusing is incorporated internally. Should access to these or any other part of the circuitry be required this must be undertaken only by suitably qualified person. Special care must be taken when removing the cover to circuitry and battery. Only replacement components authorised by the company must be used. Disposal of replaced components should be inaccordance with the component manufacturers instructions.

Emergency Test Record Table

Month	Test Type	First Year		Second Year		Third Year		Fourth Year		Fifth Year	
		Sign	Date	Sign	Date	Sign	Date	Sign	Date	Sign	Date
January	Functional										
February	Functional		İ	ĺ					ĺ		
March	Functional		İ								
April	Functional										
May	Functional		İ	ĺ					ĺ		
June	Functional										
July	Functional										
August	Functional			Ì					Ì		
September	Functional										
October	Functional		İ	ĺ					ĺ		
November	Functional		İ								
December	3 hour										