

# Coral LED™ Range

## Installation instructions for Coral LED™ commercial downlights

### Warnings and cautions

- To avoid electric shock, 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

- This luminaire is suitable for indoor use only
- It may be necessary to upgrade your MCBs to allow for increased inrush current
-  This product cannot be covered with insulation material - do not cover
- DO NOT carry out insulation tests with the driver connected to the circuit

## INSTALLATION

ENGLISH

- Read instructions and check that you have all of the tools and accessories required to complete the installation correctly. Isolate power supply before starting the installation.

### Standard non-dimmable/dimmable version installation procedure

- Select a suitable location to install this luminaire, taking care to ensure that there is sufficient ceiling void without infringing on joists, water pipes or electrical cables. Prior to cutting into an existing ceiling tile JCC recommends cutting a sample hole in some scrap material to familiarise yourself with this stage of the installation. When you are completely confident a Ø212mm hole must be cut into the ceiling tile.
- Insert luminaire into cut-out (fig. 1) then secure into position using the ceiling clips supplied with the fitting (fig. 2 and 3). Secure the detachable rim with safety chain prior to attaching it to fitting (fig. 1a).
- Move ceiling tile back into aperture in ceiling; once positioned halfway connect the luminaire to the mains supply as indicated on the right (fig. 5). If a dimmable variant, connect the dimming control wires (DALI/1-10V/DSI) (fig. 6).
- Fully locate tile back into the ceiling (fig. 4).
- Reconnect mains power supply and test for operation.

### Emergency non-dimmable/dimmable version installation procedure

- Refer to steps 1 and 2 above of standard non-dimmable/dimmable version installation
- Move ceiling tile back into aperture in ceiling; once positioned halfway connect the mains power to the emergency remote pack as indicated in figure 5a. If a dimmable variant, connect the dimming control wires (DALI/1-10V/DSI) as shown in figure 6.
- Connect batteries inside the remote pack prior to completing the installation
- Fully locate tile back into the ceiling.
- Ensure the green LED charge indicator is located alongside the Coral LED™ and is visible once the fitting is installed and operational.
- Reconnect mains power supply and test for operation. (Allow 24hrs for batteries to charge before testing)

Note: The external flexible cable cord of this luminaire cannot be replaced: if the cord is damaged the luminaire should be decommissioned and destroyed.

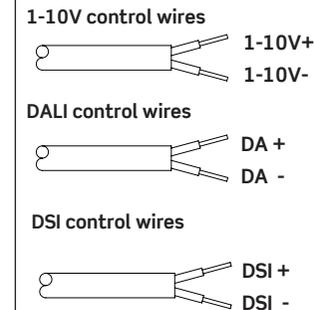
### Specifications

Coral LED™	Lumens	LpcW
16W	1600	100
24W	2200	92
32W	2800	88

Colour temp: 4000K Ra: 90

### Dimming control input

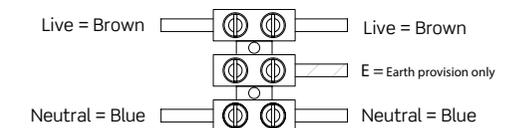
Figure 6.



### Standard\* & dimmable\*\* mains connection

- \*100-240V 50/60Hz/Class II 
- \*\*220-240V 50/60Hz/Class I  (Emergency versions)
- \*\*220-240V 50/60Hz/Class II  (non emergency versions)

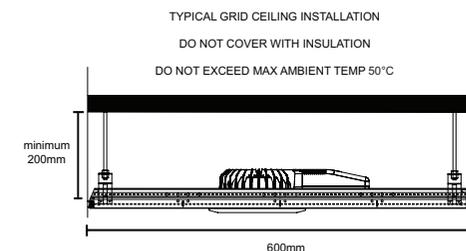
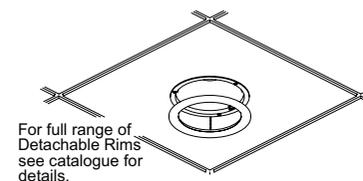
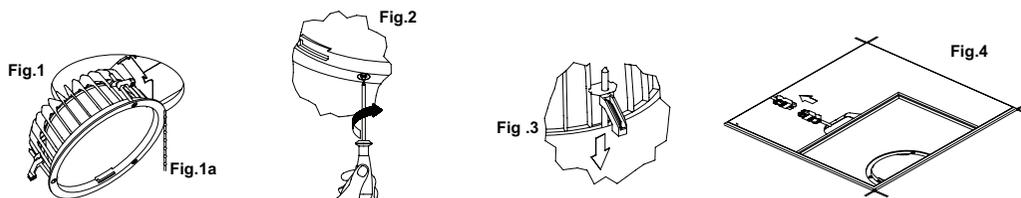
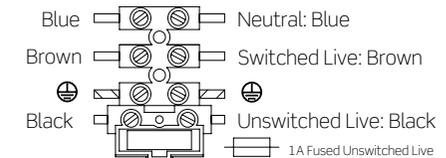
Figure 5.



### Emergency mains connection

220-240V 50/60Hz/Class I 

Figure 5a.



## Emergency range routine inspection and 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 to 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:

- Each luminaire and internally illuminated sign shall be tested monthly as above but for its full duration in accordance with the manufacturer's information.
- 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.
- 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 a 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 in accordance with the component manufacturers instructions.

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.

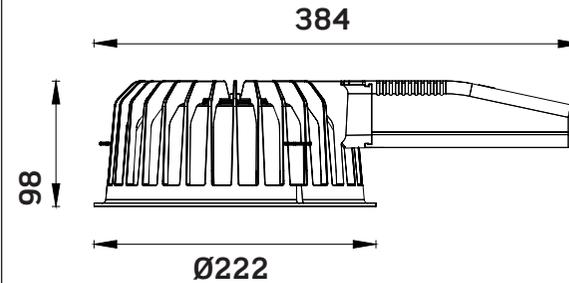
## Important warranty information

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](http://jcc.co.uk/warranty) (Terms and conditions apply).

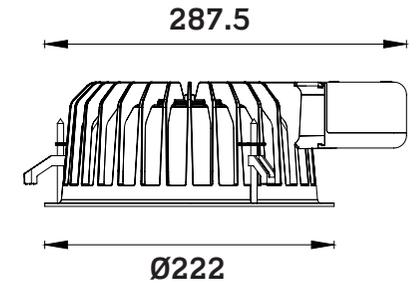
The installer will be asked to provide the following information, which is detailed on a label attached to the luminaire's chassis:  
Product Code/Date Code.

## Profile & Dimensions

Standard non-dimmable fitting



Emergency/dimmable fitting



All dimensions in millimetres (Emergency remote pack not shown)

