

# Flood light Standard

Doc no. 29-01022



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## Congratulations

Congratulations on choosing to use this ABB product covered by our unique through-life support system. This document is designed to assist you during the installation of this product; for the safety of yourself and others **ABB recommends that you read this document thoroughly before commencing installation.** The fittings are designed for easy installation. They are advanced pieces of electronic equipment which, when treated with care and maintained through regular and appropriate servicing, will perform reliably for many years to come.

## Safety warning

In Australia and New Zealand, only licensed electricians are permitted by law to work with 240 volt electrical installations. Do not attempt to install or connect this product unless you are a licensed electrician. Turn off and isolate the electrical supply before connecting this fitting to the building wires. Do not touch the terminals of the terminal block when the light fitting is energised. The only user-serviceable parts are the lamp/s and battery. Do not tamper with the fitting or the warranty will be void. As the installer, it is your responsibility to ensure compliance with all relevant building and safety codes, (ie: AS3000, AS/NZS2293). Refer to the applicable standards for data and mains cabling installation procedures and requirements.

**Important note:** This product is designed for indoor use only.

## Installation instructions

1. Remove the unit from the packing box and inspect it for damage or imperfections. If any damage is found, do not install the unit, but replace it carefully into the packing box and notify the ABB product support hotline in Australia on 1800 222 435.
2. If all looks okay, installation can proceed.

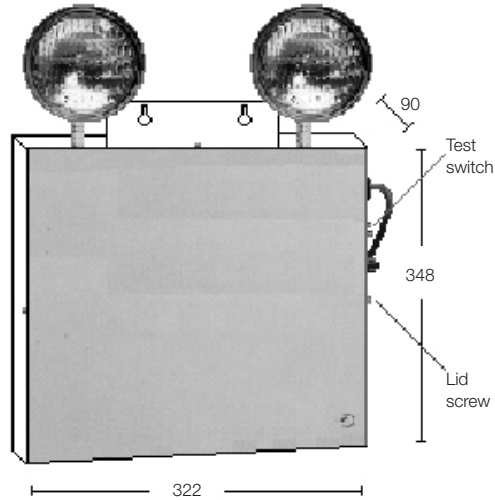


Figure 1: Flood light with beams installed

3. Use a pencil to mark the position of the mounting screw holes for the flood light.

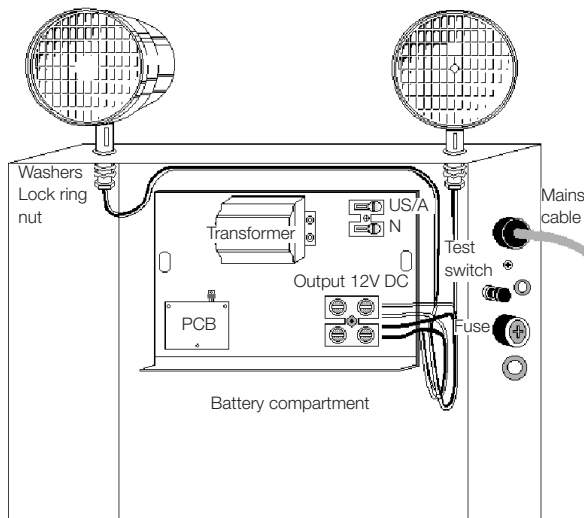


Figure 2: Flood light lamp/beams connection diagram

4. Remove the lid by unscrewing 3 screws as shown in figure 1. Install both the beams using washer and lock ring nut (refer to figure 2).
5. Connect the beam/lamp cables as shown in figure 2 using a suitably sized screwdriver. Ensure that the stripped wire ends are completely inserted into the terminal block and no bare conductors are exposed to the metal.
6. Place the fuse into fuse holder before connecting flood light to mains (fuse is placed inside the box and normally secure with the tape).

7. Once powered up, as a non-maintained flood light the present lamp/beams stays off. The emergency function of flood light should only operate when the unswitched active power supply fails or when somebody presses the manual test button located on the side of the unit.
8. Check the operation of the unit to ensure that the installation was successful. When powered up, allow a few minutes to give the battery a small charge, then press the manual test button located at the side of the unit. Press and hold the test button for a few seconds and observe that the lamp lights up and stays on until the test switch is released. If the lamp works only momentarily, this ensures that the connections are correct and the battery requires at least 24 hours to fully charge. If the lamp does not work at all, check the supply, the connections, and the trouble shooting guide at the end of this document.

## Removal instructions

1. Switch off the mains supplies to the flood light and then unplug the mains power cord.
2. Remove the fuse from fuse holder and then unscrew the mounting screws of the flood light.
3. When the flood light is reconnected to the supply, it will need time to recharge its battery before it will be capable of a full length discharge again.

**Note:** When sending flood lights for repairs make sure that lamp/beams and mains cable is included.

## Testing precautions

Once the fitting is permanently connected to the mains supply, a commissioning discharge test as required in AS/NZS2293.2 must be carried out. You will need to allow 24 hours for the battery to fully charge prior to conducting this test, presently (at the time of writing), the standard requires that fittings operate in emergency mode for a period not less than 2 hours for their commissioning test and for not less than 90 minutes thereafter (it is required that 6 monthly discharge tests be carried out). You will need to keep the records for the commissioning test and enter them into the building emergency services logbook or via other recording methods as allowed by AS/NZS2293.2.

## Construction sites

Continuously switching of the mains power supply that is connected to emergency light fittings during the construction phase of an installation will cause these fittings to discharge and charge their batteries many times over a short period; this can shorten the life of the battery and will also result in shortened emergency lamp life. ABB does not recommend such practices and may not honour the warranty on batteries when they are subjected to such harsh operating conditions. Emergency light fittings are designed to be discharge tested once every 6 months as per AS/NZS2293.2, subjecting the product to repeated discharge or charge cycles is regarded as an abuse of the fittings.

## Trouble shooting guide

If you have installed and connected the unit as per the instructions listed earlier and it does not function correctly, use the following table as a guide to fixing the problem. Look up the type of fault in the left column and check the possible causes from the right column.

No.	Fault	Possible causes
1	Lamp/beams do not come on when test switch is pressed	AC supply not connected; or AC supply turned off; or Fuse missing; or Fuse damaged; or Lamp/beams wire not inserted/connected properly; or Lamp/beams damaged; or Battery damaged; or Test switch damaged
2	Lamp is lit momentarily when test switch is pressed; or when mains fails/works momentarily on emergency when the test button is pressed	Battery not fully charged (allow up to 24 hours); or Battery damaged

If the unit still does not work after checking these possible causes, contact ABB service in Australia on 1800 222 435, Monday to Friday, 7.00am to 5.00pm (AEST) and ask for help. Our trained service personnel will usually be able to take your call immediately and assist you in resolving your difficulty. ABB is committed to providing valuable through-life support for its products.