Removal instructions

1. Before removing the installed fitting, switch off the mains supply to the fitting.
2. Remove the lid, disconnect the mains and data (for Nexus only) cable connection from the terminal block using suitable size screwdriver.
3. Undo the mounting screws and remove the fitting from wall.

Note: When sending flood lights for repairs make sure that the LED lamps are included.

Testing precautions

Once the fitting is permanently connected to the mains supply, a commissioning discharge test as required in AS/NZS 2293.2 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/NZS 2293.2.

LED flash patterns :

LED flash patterns are assembled in time slots - the each slot time is 250ms.
In the table on right GG-- represents the green led on for two slots (ie 500ms), off for a further two slots - then repeated. The result is the green led flashing on and off. The Identification pattern YYY-Y-Y-Y-Y-Y-- uses al the available slots. Y is yellow - which is both green and red on at the same time. R

Construction sites

Continuously switching off 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 life of the battery. 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/NZS 2293.2, subjecting the product to repeated discharge or charge cycles is regarded as an abuse of the fittings.

State	LED pattern
Manis off	na
Configuration error	GG--
Hardware fault	G-R-
Button pressed	G
Battery not charging	off
Under test	RR--
No network	G-R-R--
Identification	YY-Y-Y-Y-Y-Y-Y--
Uncommission	G-R-R-R
Unit OK	R

Troubleshooting guide

No.	Fault	Possible causes
1	Indicator LED not lit	AC supply not connected; **or** AC supply turned off
2	Indicator LED is lit but lamp does not come on when test switch is pressed	Lamp damaged; **or** Lamp not connected properly; **or** Battery pack damaged; **or** Test switch damaged
3	Lamp is lit momentarily when test switch is pressed; **or** When mains fail	Battery not fully charged; **or** Battery pack damaged

ABB Australia Pty Limited
For enquiries
ABB contact centre: 1800 60 20 20
E-mail: AU-ABB-Stanilite@abb.com

www.stanilite.com.au

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INSTALLATION MANUAL

Stanilite®
Platinum flood light LED weatherproof
Emergency, Nexus® LX, Nexus® RF

This document covers	What's inside the box
Safety warning	Flood light LED weatherproof
Installation instructions	LED lamps (2)
Removal instructions	Accessory kit
Testing precautions	Installation manual
Troubleshooting guide	Warranty information

Thank you for choosing ABB product

Please read this document thoroughly before commencing installation and retain for future reference. Contact ABB customer service in Australia on 1800 60 20 20 if you need any assistance. The installation instructions were correct at the time of print. To reflect changes in technology and Australian standards; ABB reserves the right to amend the instructions without notice. Updated document can be found on the Stanilite website.

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.
There are no user serviceable parts in the product. The battery pack and/or lamp head assembly, only to be replaced by licensed electrician or a similar qualified person.
Do not attempt to service other parts of the fitting as this will void the warranty.
As the installer, it is your responsibility to ensure compliance with all relevant building and safety codes, (ie: AS/NZS 3000, AS/NZS 2293). Refer to the applicable standards for data and mains cabling installation procedures and requirements.

Important to note:

- This luminaire is intended only for mounting in locations where the plug and socket are protected from unauthorized disconnection.
- Not suitable for installations where exposure to direct sunlight may occur.

Nexus LX (data cable system)

The Nexus range of emergency light fittings are designed to be connected together into a special communication network over a level 4 (or higher) high speed, single twisted pair data cable. The Nexus user and technical guide describes all you need to know to successfully install a Nexus project. Ask for it from your superviser, from your employer or from your nearest ABB product supplier. The network cabling of the building must be installed as per the procedure detailed in the Nexus user and technical guide. No mains or mains carrying cables are to be connected to the data terminals or cables.

Nexus RF (wireless system)

The Nexus RF range of light fittings are designed to communicate via a proprietary RF network, however the electrical installation of the fittings is identical to that of a standard non-monitored fitting.

Installation instructions

1. Determine the mounting and position, allow at least 100mm of clearance space on either side of the enclosure to ensure adequate operation space for the LED/push-button when the fitting is installed. The mounting holes are indicated by keyway slots. See figure 1 for more details (69mm centre distance and smaller diameter 7mm). Alternatively, you can hold the complete fitting against the wall, use a pencil to mark the position of the screw holes and remove the enclosure. Double check the holes centre distance, make adjustment as required ensuring they are correct and level.

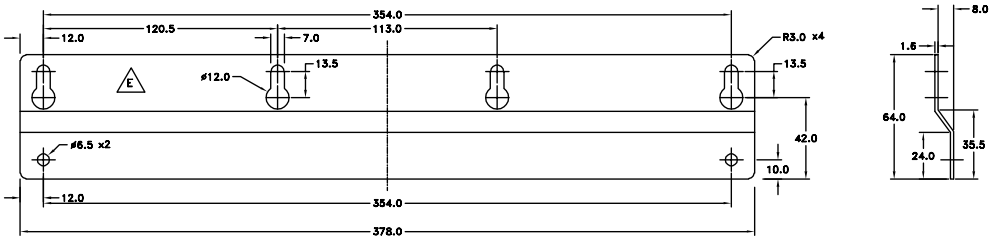
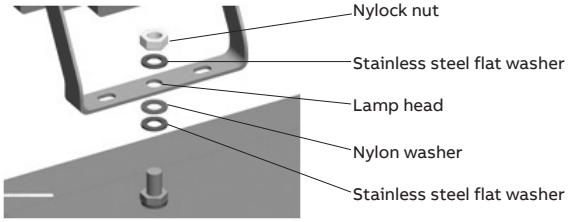


Figure 1: Flood light LED weatherproof fitting details

2. Fix 2 appropriate M6 screws to the wall (due to the wide variety of building construction materials, fasteners are not supplied). Allow approx 10mm between wall and screw head for the enclosure to slide and drop into the position. Make sure the mounting screws are fixed into solid material that is enough to support the weight of the fitting (approx 4kg). Strengthen or support the mounting material if required.
3. Install the LED lamps, use fasteners provided from each box to secure the lamp head in place as shown in the image below. Insert a cable gland over each lamp cable then insert the cable into the flood light housing. Allow approx 100mm slack cable from the back of lamp to the enclosure's cable entry hole then tighten the cable gland in place. Swing the lamp head around to make sure adequate wire length for movement, re-adjust the cable length if need to.



4. Tilt the lamp head parallel to the bracket. This is an important step to avoid excessive lamp head tilt which may cause over shadow.
5. Terminate the lamp head cables into the terminal block, make sure wire polarity is correct to each marked terminal block. The lamp heads are provided with earth lug. Locate earth stud marked with earth label near the termination point. Remove nut and 1 earth washer only. Drop both lamp head earth lugs, earth washer and secure it with hex nut. Under no circumstances should second locking nut be accessed as it can cause earthing problem.

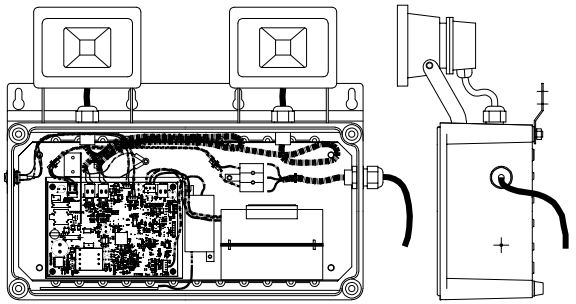


Figure 2: Showing internal layout and wiring

6. Position the enclosure's key way slots to the mounting screws, slide it in place and tighten the screws to secure the fitting to the wall.
7. For Nexus LX product; refer to data connections section.
8. Check operation of the fitting 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 top right hand side edge of the fitting. Hold the test button in for a few seconds and observe the operation of the lamp switching from mains to the emergency mode. If the lamp on emergency mode works momentarily, that's okay. Try again in a few more minutes in case battery is completely discharged, it may take a little time to charge up enough to operate even momentarily. After this time, press the test button again and if the lamp does not work at all, check the supply, the connections and the troubleshooting guide at the end of this document.
9. This step is for Nexus LX or Nexus RF fitting only; once manually checked, it is ready for the commissioning into the Nexus network. Keep the information details of this fitting including exact location description, DB (distribution board) and CB (circuit breaker) numbering, channel and router numbering, plan number and cross referencing information as all of this will be required for entry into the database during commissioning. Refer to the Nexus user and technical guide for full details. As the installer, it is your responsibility to conduct the initial discharge testing of the installed fitting. Refer to AS/NZS 2293.
10. If the installation is successful, secure the lid to the enclosure.
11. While the lamp heads are on, check the lamp head tilt final position and make sure there is no over shadow. Adjust lamp head position as required.

Data connections

Nexus LX fitting

- The same colour wire from each data cables connects to the terminal marked +.
- The other colour wire from each of the data cables connects to the terminal marked -.
- No mains or mains carrying cables are to be connected to the data terminals or cables.

Important: 24 hours is required to allow the fitting battery to reach full capacity, ie: prior to a discharge test. As the installer, it is your responsibility to conduct the initial discharge testing of the installed fitting. Refer to AS/NZS 2293.