

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.

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.

Troubleshooting guide

If you have installed and connected the fitting 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.

If the fitting still does not work after checking these possible causes, contact ABB customer service in Australia on 1800 60 20 20.

No.	Fault	Possible causes
1	LED light source and indicating LED not lit	AC supply not connected; or AC supply turned off; or Test switch damaged
2	LED light source is lit but indicating LED not lit	Test switch damaged; or Battery not connected or faulty
3	LED light source does not switch to emergency mode when the test button is pressed	Test switch damaged; or Battery not connected or faulty
4	LED light source works momentarily on emergency when the test button is pressed	Battery not yet charged (allow up to 24 hours)

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INSTALLATION MANUAL

Stanilite®

Exit LED edgelit recessed, original style square diffuser

Standard, Nexus® LX, Nexus RF



This document covers	What's inside the box
Safety warning	Exit LED edgelit recessed
Installation instructions	Installation manual
Removal instructions	Warranty information
Testing precautions	
Troubleshooting guide	

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. The only user-serviceable part is the battery pack. LED light source is not user-serviceable. 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.

As per AS 60598.2.2:2016 the recessed luminaire classification is CA90.

Note: Not suitable for use with loose-fill insulation.

No fire rated box is required for the product.

Important to note:

- This product is designed for indoor use only.

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 supervisor, 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

Note: Ceiling cut-out hole size is 430mm x 95mm.

1. Undo the 2 philips head screws on the face plate to remove face plate from the recessed base. Once the face plate is removed than partially undo the Philips head screw at 1 end of the gear tray and slide the tray away to clear the screw head.
2. Pull the tray outwards until the tongue at the other end of the tray clears the housing slot.
3. Unplug mains cable connector from the PCA and remove the gear tray. See figure 2.
4. Fit the recessed housing to the cut-out in the ceiling. Fold 4 side tabs out until they touch the ceiling panel. See figure 3.
5. Silde a locking tab through lower slot into each end of the housing and secure them to the main housing with self tapping screw provided till tight against the ceiling.
6. Plug mains cable connector from the housing onto the gear tray PCA.
7. Verify that the battery is connected to the PCA (connect battery plug to the main PCA if not connected). For Nexus LX product; connect data cable to the PCA via the green plug included, or via the fixed terminal block marked data. For more details refer to the data connections section.
8. Insert the gear tray end without the slot tongue into the housing slot, align and slide the other end into the screw and tighten the screw.
9. Insert diffuser assembly onto the face plate, check for correct orientation before securing its place by 2 screws as shown in figure 1. Should the orientation of the diffuser require changing, take care during this process to avoid scratching the diffuser's vinyl.
10. Attach lanyard cables from face plate to tabs at either end of the housing a shown in figure 1.
11. Remove nut and washers from the test switch, fit the test switch and LED into the face plate's holder.
12. Secure the face plate to the housing.
13. Remove protective paper film from the diffuser.
14. Plug mains 3 pin power cord to a power point.
15. Check the 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 test button to enure that fitting is functional in emergency mode.

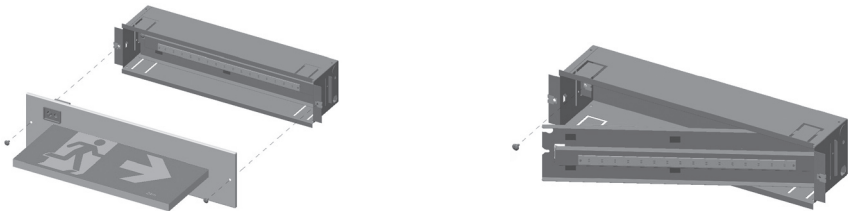


Figure 1

Figure 2

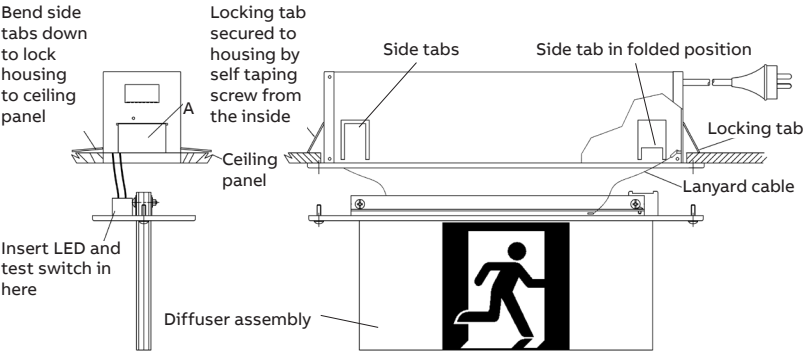


Figure 3: Exit LED edgelit recessed layout

Fitting type	Indicator LED state - on initial powering - no fitting faults
Non-monitored	Solid red
Nexus LX	Flashing green
Nexus RF	Green flash with 2 red blinks, green flash with 3 red blinks

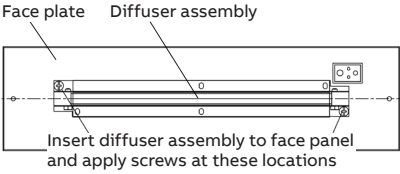


Figure 4: Diffuser assembly and face panel

Data connections - Nexus LX and Nexus RF product range

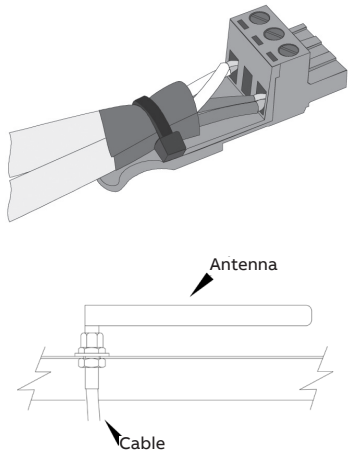
Nexus LX fitting

- Connect the data cable to the green connector on the power pack or PCA, or to the fixed terminal block marked data.
- When correctly installed no fitting should have more than 2 data cables connected to it.
- If you have more than 2 data cables at any 1 fitting, the installation is incorrect.
- If this fitting is at the end of a data cable run, a terminator needs to be wired parallel across the 2 data lines.
- If there is an in and out data cable, then the shields should be wound together, folded back and taped up.
- Consult the Nexus user and technical guide for further detail, including product commissioning.

Nexus RF fitting

- Connect the antenna connector from the gear tray to the inside of the base housing.
- Antenna to the base housing is shipped pre-fitted via SMA adaptor.

- Collect the MAC address, by removing the peel off sticker section and locating it on your floor plan or spreadsheet.
- Consult the Nexus user and technical guide for further detail, including product commissioning.



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.

Removal instructions

1. Before removing the installed fitting, de-energise and lock off the supply circuit.
- Note: There may be 2 actives present, ensure all power is isolated before proceeding.**
2. Unplug mains 3 pin cord from the power point.
3. Unscrew 2 screws on the face plate and unclip lanyard cables. Unplug LED and test switch from the face plate.
4. Remove the diffuser assembly, take care not to scratch the diffuser's vinyl.
5. Partially undo Philips head screw at 1 end of the gear tray and slide the tray away to clear the screw head.

6. Pull gear tray outwards until the tongue at the other end of the tray clears the housing slot.
7. Unplug mains cable connector, battery plug from the PCA and remove the gear tray.
8. Unscrew locking tab screws, pull the locking tabs inward the housing and remove them.
9. Fold all side tabs up right until the housing is clear of the ceiling cut-out and remove the fitting
- Note: When the fitting is reconnected to the supply it will needs time to recharge its battery for 24 hours before it will be capable of a full length discharge again.**