

## INSTRUCTION MANUAL

### EMERGENCY LIGHTS



**IP65**  
RATING

**02** YEAR  
WARRANTY\*

#### TECHNICAL DATA

Model	VT-543
SKU	83111
Watts	3W
Lamp Type	16 SMD LEDs, Wall-Bulkhead
Lumens	140 LM
Input Power	AC: 220-240V, 50/60Hz
Protection Rating	IP65
Operation Time	>3 Hours (Maintained)
Charging Current	70~150mA

Discharging Current	380~400mA
Battery type	Ni-Cd 3.6V 1200mAh
Recharge time	12 hours (Initial charge: 36 hrs)
Indicator	Green Light Indicator
Material	PC Cover
Product size	346x107x60 mm(LxWxH)
4 Legends included	

#### INTRODUCTION & WARRANTY

Thank you for selecting and buying V-TAC product. V-TAC will serve you the best. Please read these instructions carefully before starting the installation and keep this manual handy for future reference. If you have any other query, please contact our dealer or local vendor from whom you have purchased the product. They are trained and ready to serve you at the best. The warranty is valid for 2 years from the date of purchase. The warranty does not apply to damage caused by incorrect installation or abnormal wear and tear. The company gives no warranty against damage to any surface due to incorrect removal and installation of the product. The products are suitable for 10-12 Hours Daily operation. Usage of product for 24 Hours a day would void the warranty. This product is warranted for manufacturing defects only.

Our products are designed to comply with the recommendations of BS EN 60598-1:2008 code of practice for emergency lighting and should be installed by a competent person in accordance with the relevant regulations. Before installation of any type of emergency lighting always seek the advice of the local fire prevention officer (or equivalent authority).

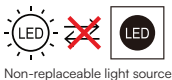
#### WARNING!

1. Please make sure to turn off the power before starting the installation.
2. The light source of this luminaire is not replaceable, when the light source reaches its end of life the whole luminaire should be replaced.
3. Installation should only be done by a certified electrician.



**MULTI-LANGUAGE  
MANUAL QR CODE**

Please scan the QR code to access the manual in multiple languages.

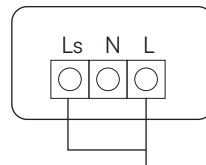


Caution, risk of electric shock.

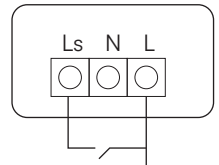


This marking indicates that this product should not be disposed of with other household wastes.

**MAINTAINED**



**NON-MAINTAINED**



## OPERATION DIAGRAM

For Maintained Operation - Maintained operation, link L (Switched Live) to terminal Ls (permanent Live). If 'Ls' is not connected, the fitting works as non-maintained

All self-contained emergency lighting luminaires require a continuous (un-switched) 220V-240V single phase 50Hz (L) supply to keep the inbuilt batteries charged.

**Note:** the LEDs contained in this fitting are not designed to be replaced.

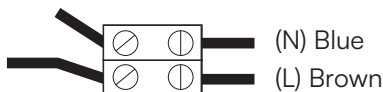
## INSTALLATION OF THE FITTING

Installation should only be carried out in accordance with the current edition of the "Regulations for Electrical Installations" EN61547 and with the requirements of BS EN 60598-1.

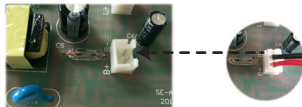
Don't do a high voltage insulation test on the luminaire as this may damage the control gear.

Before starting the installation ensure that the electricity supply is isolated and that it cannot be reenergized accidentally.

- 1) Remove the front diffuser from the body by removing the 2 fixing screws.
- 2) Release the gear tray by easing the plastic clips away from the tray and by lifting the tray away from the base.
- 3) There are four cable entry holes on this fitting. One on the rear and one on each side of the plastic body. Drill out the intended cable entry hole suitable for your installation.
- 4) Drill out the two fixing holes located on the back of the luminaire, hold the luminaire in the required location and use these holes as a template mark on the location of the fixing holes on the wall/ceiling (Please note when drilling fixing holes in the wall/ceiling be careful not to damage concealed wires or pipes.)
- 5) Fix the luminaire to the wall/ceiling using suitable screws and fixings (not supplied).
- 6) Connect the mains supply wiring as follows.



- 7) For component protection in transit and user safety the luminaire battery fuse is supplied in the fitting.



- 8) When all connections have been made reassemble the fitting completely.
- 9) Restore the supply and check that the Green LED indicator illuminates to confirm the batteries are charging. There are three possible reasons when the green LED indicator does not light up:
  - 1) there is no power supply AC220-240V,
  - 2) the batteries are not properly connected to the PCB,
  - 3) the batteries are not being charged.
- 10) Allow a short period for partly charging the batteries and then isolate the mains supply to the fitting in order to check the correct operation of the fitting in emergency mode. After 36 hours on continuous charge (and only at a safe time) a mains failure should be simulated to ensure that the fitting illuminates for its rated emergency duration. The luminaire will have a 1-hour backup after 14 hours charging and will be fully charged after 12 hours (first charge 36 hours)

## MAINTENANCE

Once the luminaire no longer meets the rated emergency operation the batteries must be replaced after a maximum of 4 years in service.

Repairs should only be carried out by a qualified person. Please recycle disposal of replaced components where facilities exist. Special care should be taken if it's required to open the fitting as the fitting may still be "live" even though the mains supply has been isolated. In these circumstances immediately disconnect the battery supply.

Servicing and cleaning should only be carried out after the fitting has been made electrically safe. Cleaning of luminaires should be carried out at regular intervals not only to ensure good optical performance but also ensure that dirt does not accumulate to such an extent as to impair the electrical or thermal safety of the fitting.

**RoHS**   