

Apartment Lights Assembly Instructions

NIGLON

Installation / Operating Instructions for IP65 Bulkhead Instructions

GENERAL INSTRUCTIONS

These instructions should be read carefully and retained after installation for further reference and maintenance.

SAFETY

- ☐ Before installation, maintenance or lamp replacement ensure that the mains supply to the luminaire is switched off and the circuit supply fuses are removed or circuit breaker turned off.
- ☐ It is recommended that a qualified electrician is consulted or used for the installation of this luminaire and installed to the current edition of the IEE wiring regulations.
- ☐ Check that the total load on the circuit including when this luminaire does not exceed the rating of the circuit cable, fuse or circuit breaker.

RATINGS

- ☐ This luminaire is of class I construction and must be earthed.
- ☐ IP65 rated suitable for external applications.
- ☐ F marked, suitable for installation on to normal flammable surfaces.
- ☐ 230V/240V AC rated
- ☐ CE Approved

INSTALLATION

- ☐ Remove the diffuser from the base by releasing the captive screws around the edge of the luminaire.
- ☐ Remove the lamp by pulling away from the gear tray, care should be taken not to use undue force and not to pull using the glass of the lamp.
- ☐ Loosen but do not remove the gear tray retaining screws.
- ☐ Adjust the position of the gear tray to align the hole in the keyhole slots with the retaining screws, and remove the gear tray from the base.
- ☐ Select a suitable cable entry point by drilling into the base.
- ☐ Position and fix the base to a suitable solid surface using screws supplied, sealant should be applied around the screw heads to reduce water ingress if the luminaire is to be mounted externally.
- ☐ Secure supply cable into the luminaire through previously selected hole ensuring that a cable gland, grommet or sealing compound is used to maintain the IP rating of the luminaire.
- ☐ Terminate the cable into the terminal block mounted on the underside of the gear tray ensuring correct polarity is observed and the luminaire is earthed.
- ☐ Replace the gear tray by aligning the holes in the keyhole slots with the retaining screws on the base, adjust the gear tray so the retaining screws now are aligned with the slots of the keyhole slots, retighten the retaining screws.
- ☐ Plug in and replace the lamp into the lamp holder on the gear tray.
- ☐ Re-fit the diffuser do not over-tighten the screws.

CE

TDL-COMBI/ADL-COMBI

(Downlight) (Tilt)

Cast Twist & Lock Downlight and Tilt
c/w Integrated 60VA Transformer

Integrated Available :- Brass, Chrome,
Low Voltage Brush Nickel & White

IP20   **SELV**

INSTALLATION DETAILS:

Cut a 80mm Dia round hole in ceiling and ensure adequate minimum ceiling void without infringing on joist, water pipes or electrical cables. Fit this product as per Fig 1. Do not fit onto new plaster or damp areas. Ensure there is adequate free air ventilation around fitting. The nearest illuminated surface must be at least 0.5m distance from the front of fitting.

WARNING: It is recommended that the installation of this product be carried out by a qualified electrician. The fitting / transformer should be installed in a ventilated area free from heat sources. Protection against electric shock should be ensured during installation. Do not connect electronic transformers on the same circuit as inductive loads (When switching inductive loads, spikes in the mains can cause damage to electronic components).

IMPORTANT NOTICE:

Disconnect mains input supply prior to high voltage circuit insulation testing. (Do not circuit test this product using a megger).

SHORT CIRCUIT & OVERLOAD PROTECTION:

The electronic transformer will shut off the load automatically in the case of short circuit and overload. After removing the cause of short circuit or overload, the electronic transformer will start to supply the load again.

OVER TEMPERATURE PROTECTION:

In the case of over temperature and over heating, the electronic transformer will cut off the load by means of a thermal fuse inside the electronic transformer to prevent further damage. When this fuse has activated the transformer will not reset. The protection fuse operates at around 115 Deg C.



IMPORTANT USER ADVICE

Always switch off mains supply before servicing fitting or changing lamp. Check the lamp is correct for the application, including its voltage and wattage. Ensure that the lamp is correctly located in the lampholder. Switch on electricity at mains

DIMMERS:

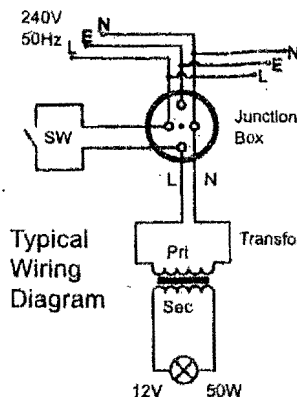
It is recommended that this product be used with Low Voltage compatible dimmers. Such as:- Variilight Intelligent, Home Automation Low Voltage and MK Intelligent Dimmer Switch.

If in doubt ask!

Low Voltage lighting

3 Year Warranty
20,000 Hours

Provided luminaire is fitted in line with manufacturers instructions.



Typical
Wiring
Diagram

Low Voltage Twist & Lock

Ratings Transformer

Primary Voltage (Mains in)	240V 50Hz AC
Primary Running Current	0.26 Amps
Low Voltage (Sec)	11.6 Volts AC
Low Voltage (VA) (Sec)	10 - 60 VA
Max Sec. Amps	4.9 Amps
Isolation Class	Class III SELV
IP Rating	IP20
Thermal	115 Deg C Cut - off non-resettable (See Dimming note)
Dimmable.	



Built in 60VA Transformer

Features

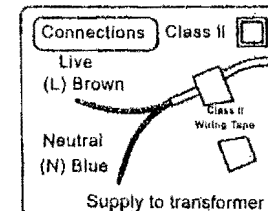
- EMC approved.
- Surge Protection.
- OverLoad Short Circuit Protection.
- Suitable for 10 - 60Watt Loads.
- Thermal cut-off and soft start
- Product Guaranteed for an average of 20,000 hours providing the product is installed as per Instructions.

This product complies to the following standards:
EN65015
EN61547
EN61000-3-2
EN61000-3-3
EMC compliant

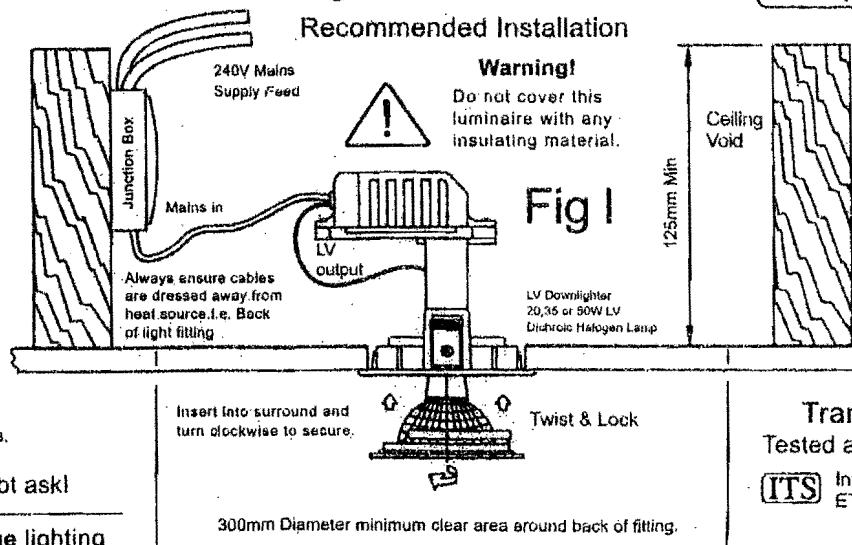


Always allow good ventilation around fitting and transformer. Ceiling void ambient temperature must not exceed 40 Deg C.

Recommended:-
Round junction box (BS6220)
20 Amp 4 Way (Selective entry)



Recommended Installation



12V Dichroic
50mm Lamp
Wattages:- 50W
35W & 20W
Cap: GX / GU5.3

Transformer:-
Tested and approved by:

ITS Intertek Testing Services
ETL SEMKO

Cleaning:

- > Clean this light fitting only with a soft dry cloth.
- > Do not use any chemical or abrasive cleaners.

Lamp replacement:

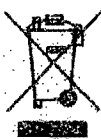
- > Switch off the electricity at the mains and allow the fitting to cool.
- > Unscrew the decorative ring and glass lens and remove the circlip which retains the lamp.
- > Pull the lampholder off of the lamp pins.
- > Fit a new lamp, pressing the lampholder carefully onto the lamp pins. Only fit a lamp of the same type and size.
- > Secure the lamp in the fitting using the circlip and replace the decorative ring and lens.
- > Restore the power and switch on.

Replacement lamp type:

Wattage: 50W
Supply Voltage: 12V
Type: 50mm MR 16 Dichroic reflector lamp.

Eventually, you may want to replace this light fitting:

When your light fitting comes to the end of its life or you choose to update or upgrade it by replacing it, please do not dispose of it with your normal household waste or by depositing in a local amenity tip. When you buy your replacement fitting, take this fitting to your retailer for them to take back for recycling. New regulations will oblige retailers and some recycling centres to take in Waste from Electrical and Electronic Equipment (European "WEEE Directive" effective August 2005).



If you experience problems:

If your light is defective or develops a fault, please return it to the place where you bought it. You can call our Helpline for advice. The Helpline will gladly give advice on any aspect of any Eterna Lighting product but may not be able to give specific instructions regarding individual installations. If in doubt, consult a qualified electrician.

Help line:

Tel: 01933 673 144 Fax: 01933 678 083 Email: sales@eterna-lighting.co.uk

Eterna **IMPORTANT!** Safety and Installation instructions

Low Voltage Shower Light

Model(s)
ELVWH, ELVBSC, ELVBS, ELVBCR, ELVBSB

Pack contents:

Shower light	1
Terminal bracket	1
Terminal block and lampholder	1

PLEASE READ THESE INSTRUCTIONS BEFORE
INSTALLING YOUR NEW FITTING

PLEASE RETAIN FOR FUTURE REFERENCE

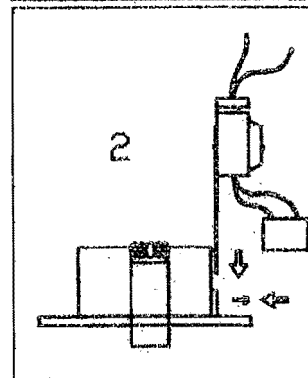
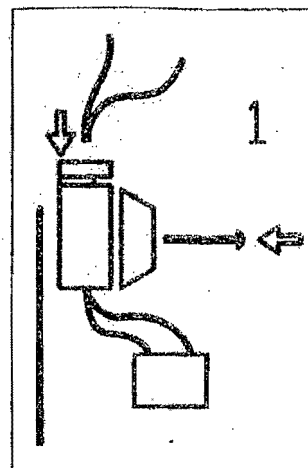
Read this first:

- > If in any doubt, consult a qualified electrician.
- > Suitable for indoor use only.
- > This product is suitable for installation on surfaces with normal flammability (indicated by the "F" in a triangle) e.g. Wood, plasterboard, Masonry. It is not suitable for use on highly flammable surfaces (e.g. Polystyrene, textiles).
- > Use only with a 12V transformer (not supplied).
- > Do not connect directly to the mains.
- > Do not overload the transformer, check that the total Wattage of all fittings does not exceed the maximum marked on the transformer.
- > Before making fixing hole(s), check that there are no obstructions hidden beneath the mounting surface such as pipes or cables.
- > If the location of your new transformer requires the provision of a new electrical supply, the supply must conform with the requirements of the latest edition of the IEE wiring regulations.
- > Do not cover the fitting and/or transformer with any insulating materials.
- > Switch off the mains before commencing installation and remove the appropriate circuit fuse.
- > This fitting uses SELV (Safety Extra Low Voltage). Do not connect any part to earth.
- > Ensure that the transformer will be accessible after installation for maintenance or replacement.
- > The lamp must be positioned so that there is at least 0.3m (300mm) between the bulb and any illuminated surface.
- > Do not attach to surfaces which are damp, freshly painted or otherwise electrically conductive (e.g. metallic surfaces).
- > If in any doubt, consult a qualified electrician.

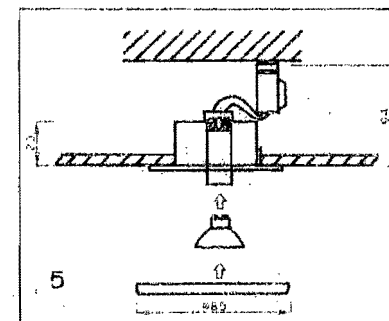
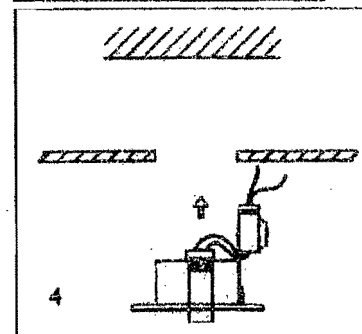
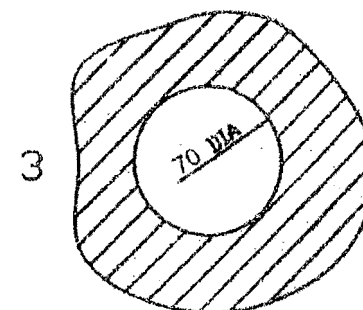
Installation:

- 1) Attach the terminal block to the small bracket using the screws supplied—see figure 1 opposite.
- 2) Attach the bracket and block to the light fitting and secure using the screw supplied—see figure 2 opposite.
- 3) Fit the lamp and secure in place using the clip—see back page for details.
- 4) Choose the location for your downlight and make the fixing hole—see figure 3 opposite for dimensions. After marking the hole, check against your light fitting before cutting.
- 5) Place the transformer in the ceiling void or other suitable location and connect to the mains. Ensure that you comply with all of the requirements listed in the manufacturers instructions for installation of your transformer.

Safety markings:



- 6) Connect the transformer output cable to the connector block on the bracket at the back of the fitting. Ensure that the connections are secure and that there are no bare wires protruding from the terminals. Ensure that cables are securely gripped by the cord restraints inside the connector block.
- 7) Lift the spring clips on each side of the fitting so that they point upwards.
- 8) Fit the downlight into the hole cut out in your ceiling. The strength of the springs will grip the fitting.
- 9) Restore the power and switch on.



Instruction for the use of
the electronic transformer
for low voltage halogen lamps
Model: VIST60VA-4T Fully Dimmable

Technical data:

Input voltage : 220-240V/50Hz
Input current : 0,27A at 60W
Rated power : 60VA: 20-60 Wattage
Output voltage : 11,6Veff
Power factor : 0,99
Ambient temperature: max. 50°C
Case temperature : max. 85°C

Installation:

Warning: The installation of the electronic transformer must be carried out by a qualified electrician. The electronic transformer should be installed in ventilated areas far from heat sources. This electronic transformer can only be used to supply the low voltage halogen lamps. The protection against electric shock should be ensured during the installation.

Please to use the supplied fixing screws to mount the electronic transformer. The maximal length of the output wires to the lamps should not exceed 2m.

Short circuit and overload protection:

The electronic transformer will shut off the load automatically in the case of short circuit and overload. After the removing of the cause of the short circuit or overload, the electronic transformer will start to supply the load again.

Over temperature protection:

In the case of overtemperature and overheating, the electronic transformer will cut off the load by means of a thermal fuse inside the electronic transformer to prevent further damages.

INSTRUCTION MANUAL

Energy Saving PL Pendant

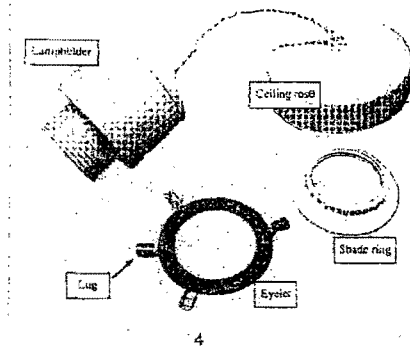
A. SAFETY INSTRUCTIONS

1. To prevent the risk of electrocution, disconnect the mains before commencing installation or maintenance work.
2. It is suitable only for indoor use and for mounting on a normally flammable surface.
3. When making fixing holes, ensure that obstructions like pipes and cables hidden beneath the mounting surface are avoided.
4. This product should be installed or wired by a competent person (e.g. a qualified electrician) in accordance with these instructions and the appropriate clauses of the current edition of the IEE wiring regulation (SS7671).

B. LAMPS

1. The pendant will operate with the following lamps specifications
Supply voltage: 240V

D. FITTING

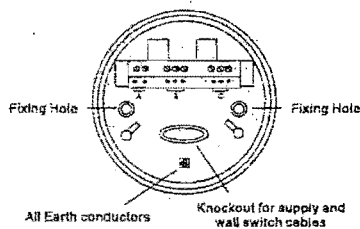


Wattage alternatives: 10W, 13W, 18W, 10-18W (Multi-wattage)

Replacement lamp type: Pin compact fluorescent tube

2. It is better to use with branded lamps.
3. Recommend Osram type D/E and Philips type PL-C.

C. WIRING



Note: A: Common switched live connections. Connect (1) Brown wire from the lamp holder and the live switch return from the light switch.

B: Common mains live connections. Also suitable live connections for loop in and loop out.

C: Common mains neutral connections. Connect (1) blue conductor from the lamp holder and mains supply neutral conductors. Also suitable for loop in and loop out neutral connections.

Wiring should be coloured in accordance with:

Following code:

Live---Red/Brown

Neutral---Black/Blue

Earth---Green and Yellow

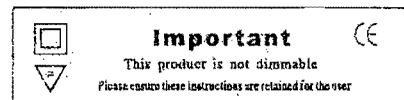
Note: 1. Replace the ceiling rose cover and screw closed.

Take care not to over-tighten the cover.

2. To attach a lampshade, please use the shade ring as a guide and cut through the frame at the top of your lampshade to remove the existing eyelet.
3. Offer up the new eyelet from underneath the frame until the ends of the frame you have just cut. Rest inside the lugs on the new eyelet. Close the lugs using a pair of pliers.
4. Fit the eyelet complete with shade over the threaded end of the lamp holder and secure using the shade ring. The shade ring should be fitted widest side upwards.
5. If you want to fit a glass shade, any shade may be fitted which has a standard 42mm opening at the top without the need for any adapter and without using the eyelet.

E. REPLACEMENT

1. Turn off the electricity before replacing the tube.
2. Hold the lamp holder with one hand and pull gently on tube.
3. To insert the new tube, hold the lamp holder in one hand and press the tube firmly into the socket until it clicks.
4. Turn electricity back on.



LITHOUSE
CODE: LFP01