



ISTRUZIONI DI INSTALLAZIONE, USO,
MANUTENZIONE
INSTALLATION, USE, MAINTENANCE
INSTRUCTIONS

FRED



ENGLISH IMPORTANT!

Always disconnect the circuit from the power supply before starting installation. The electrical installation can only be carried out by authorized personnel. Always choose fastening systems suitable for the material to which the appliance is fixed. In the event that XLITE srl gives consent to the return of appliances, they must be returned without being disassembled. The wiring box MUST NOT be opened; the cable gland must not be touched; and a 10-20 cm piece of power cable must be left out of the wiring box in order to verify the correctness of the installation. All labels affixed to the device MUST NOT be removed.

ANY MODIFICATION OF THE APPLIANCE IS PROHIBITED WITHOUT PRIOR AUTHORIZATION!

The safety of the appliance is guaranteed only by respecting the European regulations of the electrical sector and the instructions contained in this box.

Compliance with these instructions is essential for the correct operation of the appliance and the system.

The installation must be done by qualified and state-of-the-art personnel. XLITE srl is not responsible for incorrect installation.

XLITE srl reserves the right to make technical and structural changes necessary to improve the product at any time.

GENERAL RECOMMENDATIONS FOR INSTALLATION AND MAINTENANCE

For all lighting fixtures beyond the class they belong to and the type of use, maintenance must be carried out on a scheduled basis.

- Check the tightness of the screws that secure the various parts of the appliance, making sure to screw and unscrew in alternating sequence.
- Check the integrity of all cable glands and cables. Check the tightness of the cable glands.
- For class I appliances, check the tightness of the earth wire to the appliance; the clamp must not show any loosening or oxidation or damage of any kind.
- For class II appliances, check for any plastic / insulating casings, in order to identify any damage to the insulation.
- Check the integrity and elasticity of the gaskets, which must not be: Dry, Broken or Damaged. Be sure to change the glass seal every time the lamp is opened.
- Check the integrity of the glass or plastic screen. Replace it in case of breakage or damage.
- Check for any accumulation of water inside the appliance or the formwork.
- Only use flexible cables with a diameter that complies with national installation standards. DO NOT USE RIGID CABLES and / or CABLES WITH METALLIC CORE. Use only double-sheathed power cables. Do not enter with single wires.
- If the external flexible cable of this appliance is damaged, it can only be replaced by the manufacturer in order to avoid danger.

Internal components such as the power supply, the terminal block, etc. they must not show signs of rust or oxidation. The presence of these signals indicates a possible penetration of water inside the device.

In case of damaged components, they must be replaced before putting the appliance back into service using only original spare parts.

It is advisable to carry out checks at least every year, choosing the shortest period in relation to the type of system.

This luminaire is equipped with integrated LED modules. In case of damage or malfunction, please contact the manufacturer for detailed instructions on replacing the LED module and related components.

It is important to note that the LED module of this device is not intended for manipulation by the end user. XLITE assumes no responsibility in case of incorrect and/or inappropriate modifications of the LED module by the end user or installer.

INSTRUCTIONS FOR CLEANING THE APPLIANCE

Failure to clean can lead to malfunctions and damage.

Periodically clean the devices to remove accumulations of dirt that can deposit on the surfaces and in the head of the screws.



To clean the device, use only a soft cloth, possibly moistened with soap and water.



Warning: do not use alcohol or solvents.



The use of high-pressure washers to clean the appliance is prohibited.

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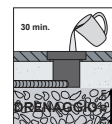
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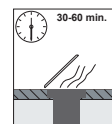
!!IMPORTANT!

ELECTRONIC EQUIPMENT SENSITIVE TO OVERVOLTAGE.

It is recommended to install "SPD" surge protection devices in the electrical system. Protective devices prevent the intensity of these phenomena, protecting the devices from the risk of being damaged and prolonging their life. Outdoor lighting fixtures are subject to all types of permanent, temporary or transient electrical disturbances. Such disturbances can create permanent damage or failures that compromise performance and life. For each lighting fixture, a protection device must be provided at a distance of no more than 10m. The appliance is not suitable for use during construction phases. Exposure to high voltages or power surges can cause irreparable damage. The use of adequate protection systems is mandatory to safeguard the correct functioning of the appliance. For correct coordination of protections, a protection device against overvoltages must also be provided inside the electrical power panel of the system (the choice of these protection devices is always the responsibility of the designer).



Always prepare 20-30 cm of gravel under the sump, then fill it with water and make sure it all comes out within 30 min. Otherwise an additional drainage system is mandatory. Never cover the parts in sight of the appliance. No part of the appliance not protected by the formwork must be in direct contact with the ground, or come into contact with aggressive chemicals (eg. Fertilizers, herbicides, lime).



At first installation, each time the product is serviced or each time the product is opened, run the appliances for 30-60 minutes before closing them.



DIRECTIVE 2012/19/UE (Waste Electrical and Electronic Equipment - WEEE): information to users: The label with the crossed out bin indicates that the product must not be disposed of through the normal procedure for disposing of household waste. To avoid any damage to the environment and human health, separate this product from other household waste so that it can be recycled according to environmental compliance procedures. For more details on the collection centers available, contact the local authorities. Failure to comply with this rule is sanctioned by law and could potentially cause negative effects on both the environment and human health.

If the product has a power supply that must be installed in a remote place, the latter must be placed inside a junction box that guarantees good ventilation. This choice is necessary to ensure correct ventilation of the power supply, prevent overheating of the device and guarantee the safety of users.

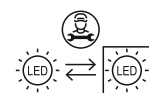
The junction box must be installed in an area that is adequately ventilated and accessible for any maintenance operations or replacement of the power supply. It must be equipped with all the necessary safety requirements to prevent any short circuits or faults.

It is always necessary to evaluate the waterproofness of the driver and connections before choosing the installation site.

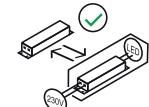


XLITE requires to have an IP protection degree equal to or greater than the IP protection degree of the appliance to the power line connection system. XLITE srl recommends the use of Techno connectors and is not liable in the event of incorrect installation.

This product contains an Energy Efficiency Class light source E



Sorgente LED sostituibile solo da tecnico abilitato
LED source replaceable only by a qualified technician



Alimentatore sostituibile
Power supply replaceable

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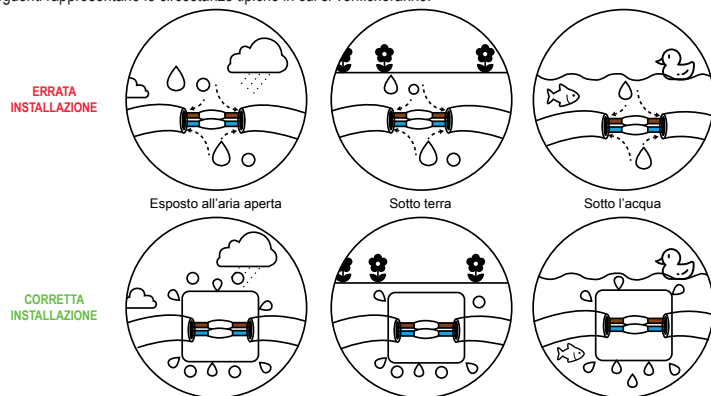
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CONNESSIONI IN ACQUA



Come disporre correttamente il connettore della luce esterna?

Precauzioni per impedire l'ingresso di acqua e umidità nella lampada attraverso il cavo di alimentazione IP65/IP66/IP67/IP68. Secondo le ricerche e i test effettuati, le infiltrazioni d'acqua rappresentano uno dei maggiori danni all'apparecchio da esterno. Le immagini seguenti rappresentano le circostanze tipiche in cui si verificheranno:



Perché utilizzare il connettore impermeabile?

Quando l'apparecchiatura è accesa, la temperatura interna aumenterà con il passare del tempo di funzionamento. Al contrario, quando la lampada smette di funzionare, la temperatura diminuirà lentamente. Questo fenomeno causerà "l'effetto Sifone". L'espansione e la contrazione termica determinano le differenze di pressione dell'aria interna ed esterna. Il vapore si infiltrerà nell'alloggiamento attraverso l'ingresso del cavo non appena la pressione dell'aria interna sarà inferiore a quella esterna. L'infiltrazione è causata da diverse connessioni errate come nell'immagine seguente:



Il modo migliore e più semplice per prevenire l'infiltrazione dell'acqua è isolare direttamente

Si consiglia di utilizzare i connettori impermeabili forniti da XLITE o dei connettori equivalenti compatibili e adatti come nelle immagini seguenti. Il connettore è stato sviluppato appositamente per l'illuminazione esterna per garantire la protezione dell'apparecchio.



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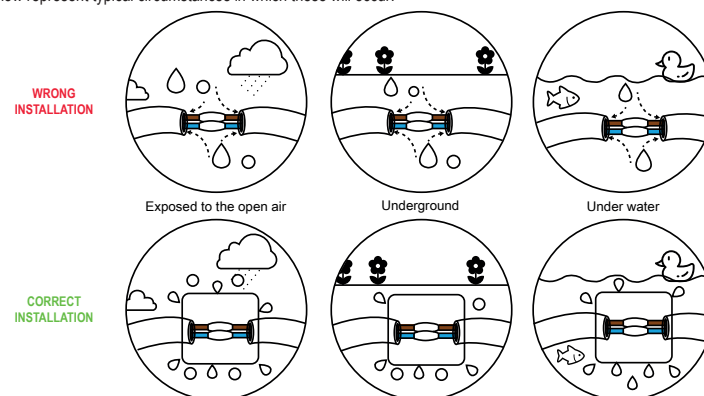
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CONNECTIONS IN WATER



How to correctly arrange the external light connector?

Precautions to prevent water and humidity from entering the lamp through the power cable IP65/IP66/IP67/IP68. According to research and tests carried out, water infiltration represents one of the greatest damages to outdoor appliances. The images below represent typical circumstances in which these will occur:



Why use waterproof connector?

When the appliance is turned on, the internal temperature will increase as the operating time passes. On the contrary, when the lamp stops working, the temperature will slowly decrease. This phenomenon will cause the "Siphon effect". Thermal expansion and contraction determine the differences in internal and external air pressure. Steam will infiltrate the housing through the cable entry as soon as the internal air pressure is lower than the external air pressure. The leak is caused by several incorrect connections as in the following image:



The best and easiest way to prevent water infiltration is to insulate directly

We recommend using the waterproof connectors supplied by XLITE or equivalent compatible and suitable connectors as in the following images. The connector was developed specifically for outdoor lighting to ensure the protection of the luminaire.



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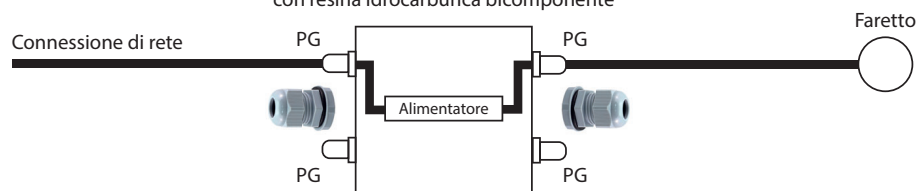


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SCHEMA GIUNZIONI



Scatola di derivazione riempita completamente
con resina idrocarbura bicomponente



ITALIANO !IMPORTANTE!

Integrità del cavo: Il cavo fornito non deve essere giuntato, poiché eventuali giunzioni compromettono sia la corretta installazione che la validità della garanzia.

Numero di giunzioni consentite: È ammessa una sola giunzione tra la lampada e l'alimentatore. Nel caso in cui siano necessarie più giunzioni, è obbligatorio utilizzare connettori Techno.

Garanzia del prodotto: La garanzia è valida solo se il cavo fornito arriva direttamente al pozzetto senza giunzioni tra l'apparecchio e l'alimentazione.

Giunzioni e protezione: Per ogni giunzione, è obbligatorio utilizzare una scatola di derivazione dotata di pressacavi adeguati, riempiendola completamente con la resina idrocarbura bicomponente per prevenire infiltrazioni d'acqua lungo il cavo di alimentazione.

Serraggio dei pressacavi: Verificare che tutti i pressacavi, sia delle scatole di giunzione che degli apparecchi di illuminazione, siano serrati correttamente per garantire una corretta tenuta.

Utilizzo di alimentatori non forniti: Se si utilizza un alimentatore non fornito da Xlite srl e questo causa danni all'apparecchio, la garanzia non sarà più valida.

Collegamento dell'alimentatore: Se il prodotto include un alimentatore, è necessario installarlo seguendo rigorosamente le istruzioni riportate nei documenti tecnici. In caso di dubbi o mancanza di indicazioni, contattare il supporto tecnico di Xlite srl prima di procedere con l'installazione.

Xlite srl declina ogni responsabilità per installazioni o giunzioni eseguite in modo errato.
Lo schema riportato rappresenta un esempio di collegamento corretto tra la rete e l'apparecchio.

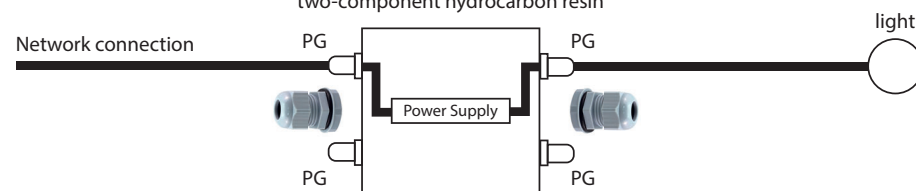


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JOINT DIAGRAM



Junction box completely filled with
two-component hydrocarbon resin



ENGLISH !IMPORTANT!

Cable integrity: The cable supplied must not be spliced, as any splicing compromises both correct installation and the validity of the warranty.

Number of splices allowed: Only one splice is permitted between the lamp and the ballast. If multiple joints are required, it is mandatory to use Techno connectors.

Product warranty: The warranty is valid only if the supplied cable reaches directly to the socket without joints between the appliance and the power supply.

Joints and protection: For each joint, it is mandatory to use a junction box equipped with adequate cable glands, filling it completely with the two-component hydrocarbon resin to prevent water infiltration along the power cable.

Tightening cable glands: Check that all cable glands, both of the junction boxes and of the lighting fixtures, are tightened correctly to ensure a correct seal.

Use of power supplies not supplied: If you use a power supply not supplied by Xlite srl and this causes damage to the appliance, the warranty will no longer be valid.

Connecting the power supply: If the product includes a power supply, it must be installed strictly following the instructions in the technical documents. In case of doubts or lack of information, contact Xlite srl technical support before proceeding with the installation.

Xlite srl declines any responsibility for incorrectly performed installations or joints.
The diagram shown represents an example of correct connection between the network and the appliance.



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