OLY N-60, N-80

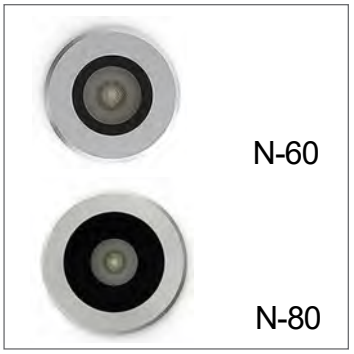
4W, 6W, REMOTE 350mA

installation instructions

INSTRUCTIONS PERTAINING TO RISK OF FIRE OR INJURY TO PERSONS. READ ALL INSTRUCTIONS. IMPORTANT SAFETY INSTRUCTIONS. SAVE THESE INSTRUCTIONS.

DANGER - RISK OF SHOCK - DISCONNECT POWER BEFORE INSTALLATION! Please read all instructions before installation.

- Keep these instructions for future reference.
- Must be installed by a qualified electrician in accordance with national and local standards. Designplan is not responsible for fixtures installed without regard to these standards.
- Unauthorized alterations or tampering of product voids warranty.
- The main power connection must be in accordance with local electrical codes.
- Suitable for OUTDOOR applications.



IP66 IP67 IK09

Electrical Connections:

- LED lights must be **connected in parallel** respecting polarities.
- **CHOOSE POWER SUPPLY ACCORDINGLY.** Please consider the voltage through which fixtures are fed as well as the max power consumption.
- **Connect power only if all the fixtures are connected.**
- The power supplies MUST be installed in aerated rooms, far from heat sources. Overworking or lack of air circulation will not permit natural dissipation.
- Use only Class 2 type electronic power supply.
- Never use switches on secondary circuit.

ATTENTION: **For In-Grade** - It is the contractor's responsibility to seal the conduit with "Great Stuff" aerosol seal that prevents water and moisture penetration for ultimate protection. Contractor **MUST** use gel-filled wire nuts.

Maintenance

Scheduled maintenance must be carried out once a year on all lighting devices, regardless of appliance class and type of use. It must include the following operations:

- Periodically clean fixtures to remove dirt from gratings and screw heads.
- Check tightness of screws on various parts of the device.
- Check that all cable glands and cables are intact and tight. Check that the glass or plastic lens is intact, and replace it if broken or damaged.
- The internal components such as the ballast, driver, washers and screws must not show clear signs of oxidation or rust. Clear traces of rust and oxidation will indicate the presence of water inside the device.
- In the case of damage, the components must be replaced by original components or spare parts.

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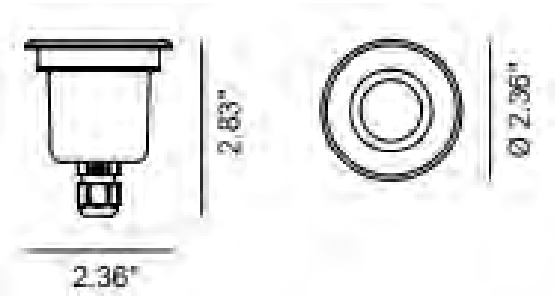
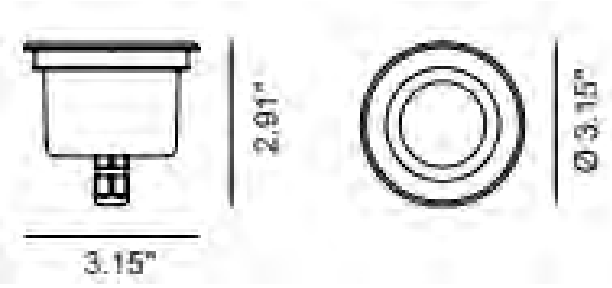
FIXTURE DIMENSIONS

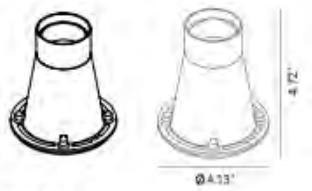


N-60

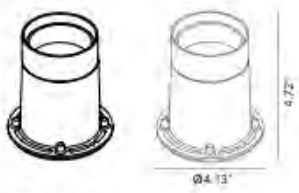


N-80

ACCESSORIES - INSTALLATION



PT51800
Casing F50 H120
4.13" w x 4.72" h

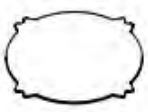


PT51900
Casing F80 H120
4.13" w x 4.72" h

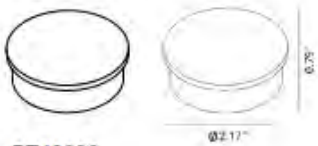
PT51801
Casing F50 H195
7.87" w x 7.68" h

PT51901
Casing F80 H195
7.87" w x 7.68" h

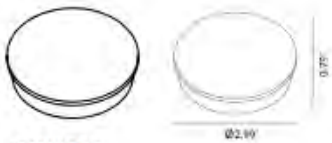
PT40003
Bottom Cap H195
6.30" w x 6.30" d



PT40004
Bottom Cap H120
4.13" w x 4.13" d

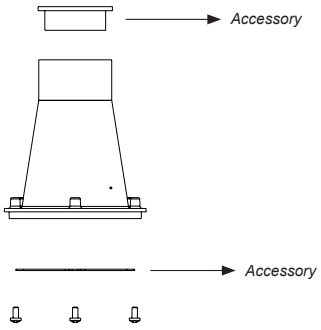


PT40006
Mortar Cap F50
2.17" w x 0.79" d

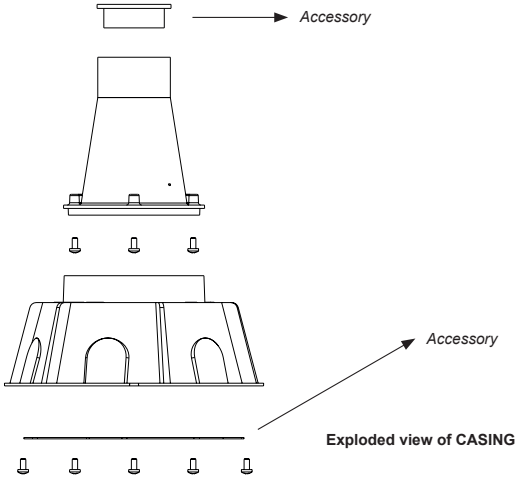


PT40007
Mortar Cap F80
2.99" w x 0.79" d

EXPLODED VIEW :

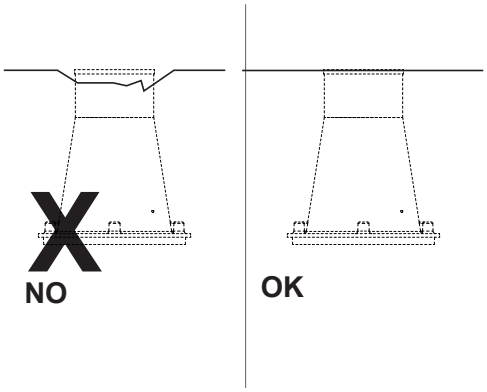


Exploded view of CASING H120

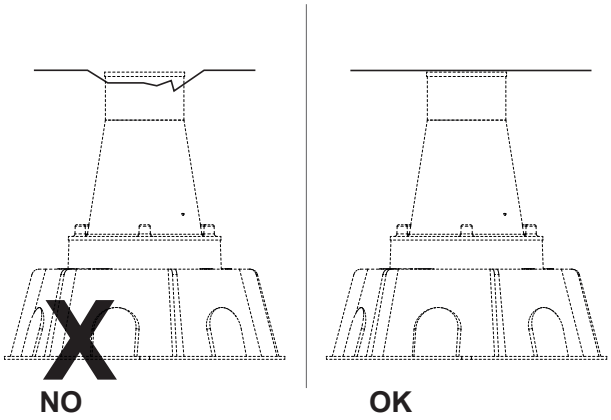


Exploded view of CASING H195

CASING INSTALLATION

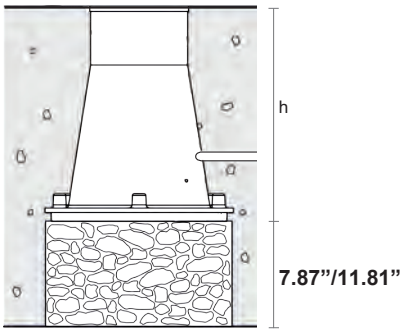


Installing the formwork on level pavement



Installing the formwork on level pavement

INSTALLATION IN CONCRETE :

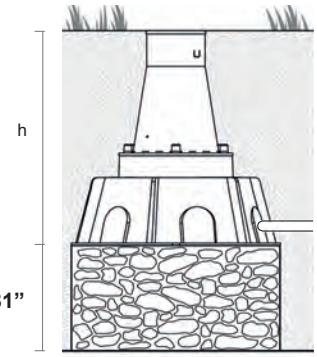


Excavation height

H120 = 4.72”

H195 = 7.68”

INSTALLATION IN SOIL :



Leave 7.87” /11.81” of drainage material under the unit (no sand which can become compacted) to allow proper drainage and prevent water stagnation

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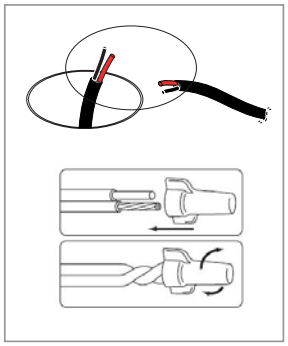
CABLE WIRING :

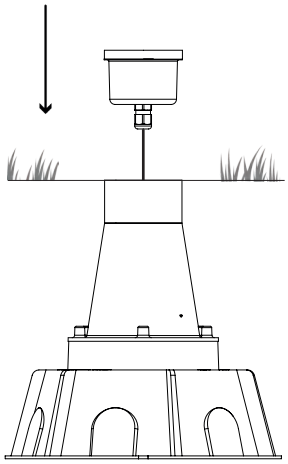


- Use gel-filled waterproof wire-nuts for wire connections.
- It is the contractor's responsibility to install Remote Driver in a suitable electrical enclosure.

waterstop

Suggested cable cross-section - up to 2 x 0.75 mm² Cable external diameter min. - max. 0.189” - 0.236”

DEVICE INSTALLATION :



Align and insert the unit in the formwork

Important wiring note:
Version with integrated driver: connect the blue and brown wires directly to the 120 VAC mains supply.
Version with remote driver: connect the red (+) and black (-) wires to the remote driver at low voltage.

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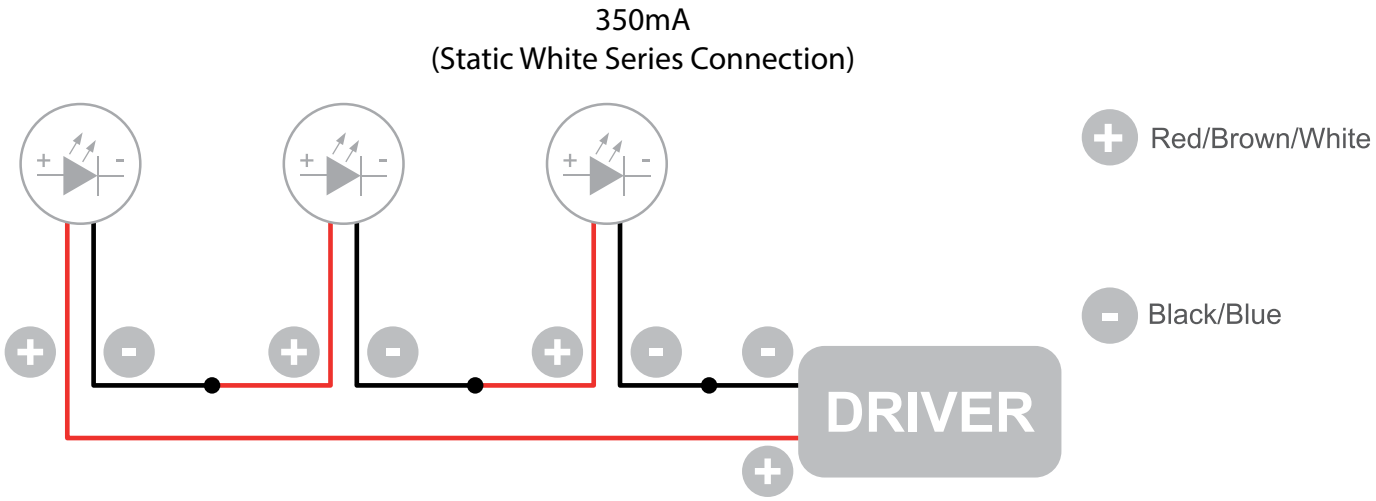
Wiring Diagram



The individual lamps must be connected in series.
Only power up the system once all the lamps have been connected.

- LED lights work at constant current. When choosing a power supply unit, you need to consider the current by which the LEDs are driven and their maximum power consumption.
- Only power up the system once all the lamps are connected. Connecting an individual lamp to an active power supply may cause the lamp to break due to over-voltage.
- The electronic power supply is constant current, so to a certain extent it automatically compensates the voltage drop associated with cable length; however, we advise not exceeding 100 feet.
- Lamps and power supply units must be installed in well-ventilated boxes or locations to allow a natural heat diffusion and avoid the devices overheating.
- On the power system, install a surge protection device to reduce the intensity of any voltage spikes to protect the lighting fixtures from the risk of damage.
- Fixture NOT suitable for covering with thermally insulating material.

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