



**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.
- Suitable for OUTDOOR applications.



**IP67**

## 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 Wall/Ceiling** - It is the contractor's responsibility to caulk around all the edges between the fixture and the mounting surface to satisfy wet label requirements.  
**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.

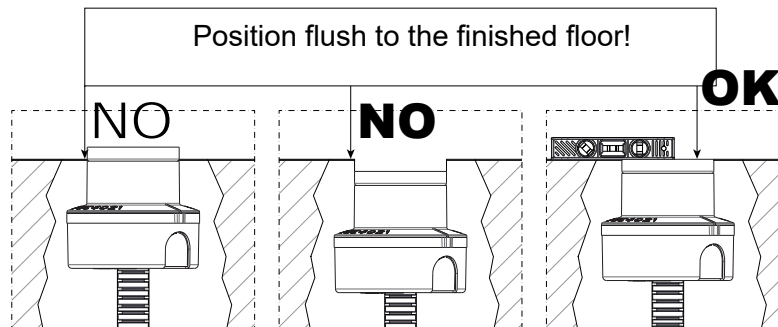
## Maintenance

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:

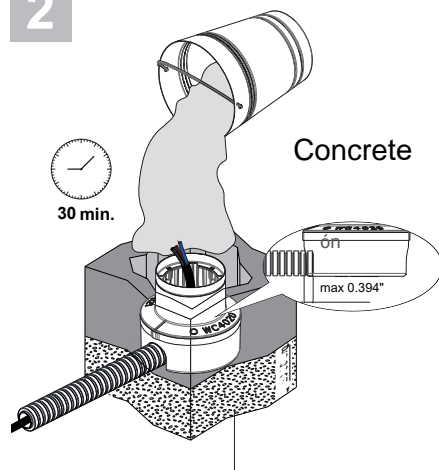
- Check that the glass or plastic lens is intact, and replace it if broken or damaged.
- The internal components such as the driver, washers and screws must not show clear signs of oxidation or rust. Clear traces of rust and oxidation will indicate the presence of water inside the device.
- In the case of damage, the components must be replaced by original components or spare parts.
- IP67 device pre-wired with a 4.92 ft. flexible cable. In case of damage, it can only be replaced by the manufacturer. The main power connection must be outside the device, and protected in accordance with local electrical codes.

## Housing Installation (WC4020)

1



2

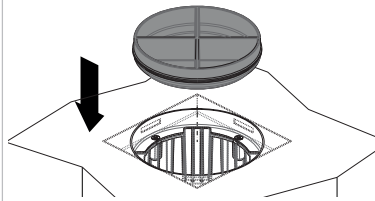


### Draining gravel

Use 7-12" of drainage gravel - check functionality: fill tube with water and verify full drainage within 30 min. If water remains, please utilize a different drainage system that functions properly. Contractor to seal the conduit with "Great Stuff" aerosol seal that prevents water and moisture penetration for ultimate protection.

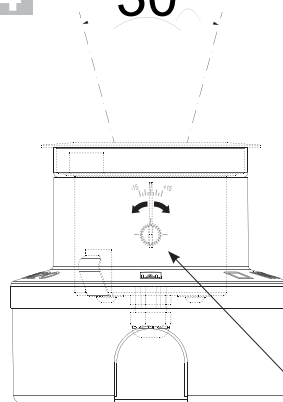
3

Outer casing plug



4

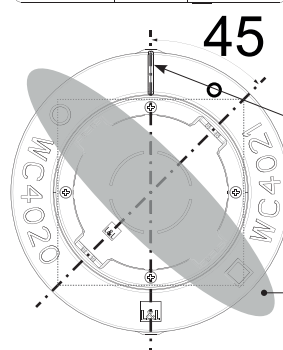
30°



**CASING ORIENTATION** When installing adjustable devices, the reference on the outer casing (indicated by the arrow in the drawing) shows the axis of rotation of the light beam.

### INSTALLING SQUARE CASINGS

Make sure that all the outer casings are aligned with the same reference, so that the same lighting effect and alignment are obtained for all.

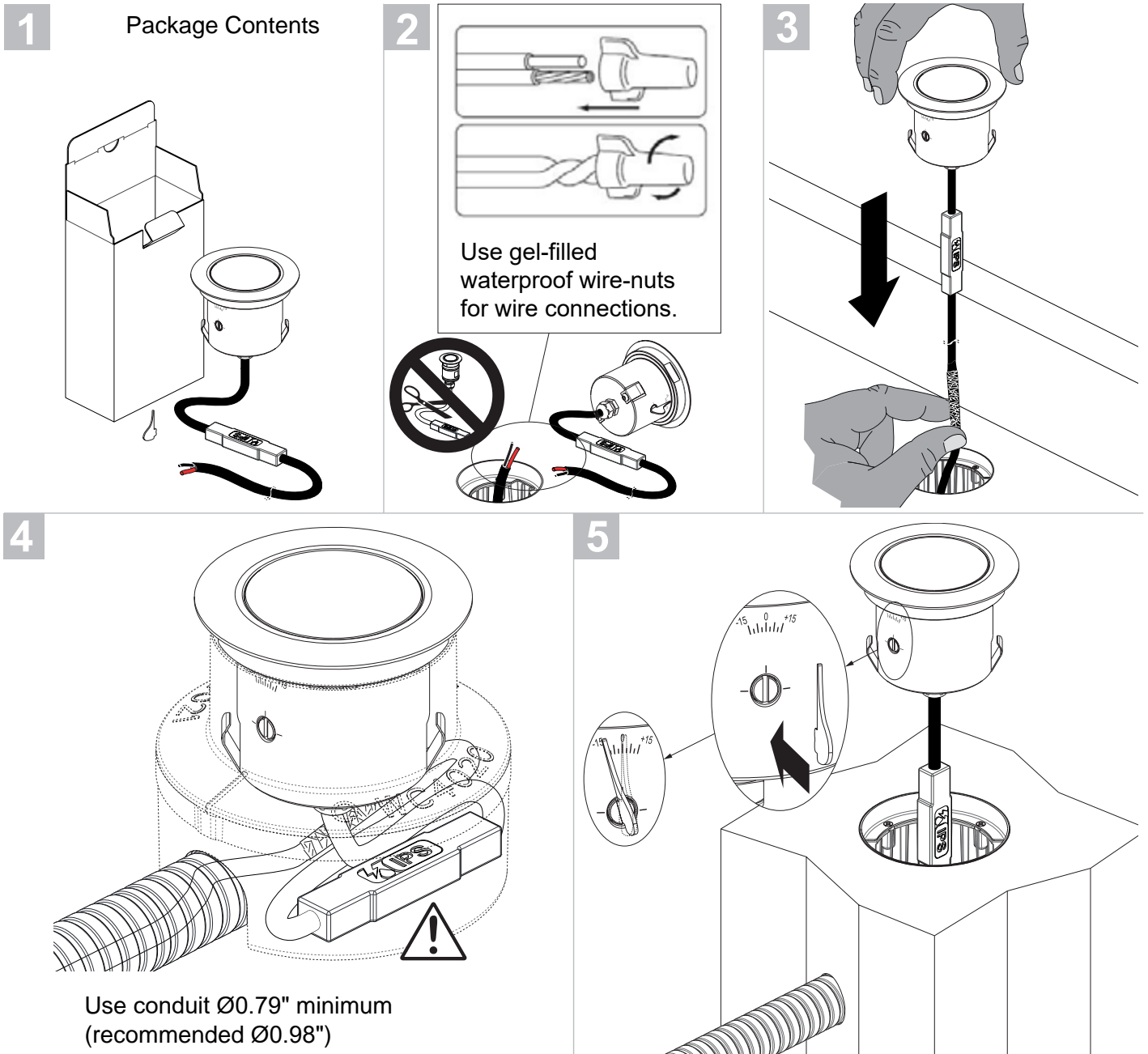


45

Reference

Elliptical beam

## Fixture Installation

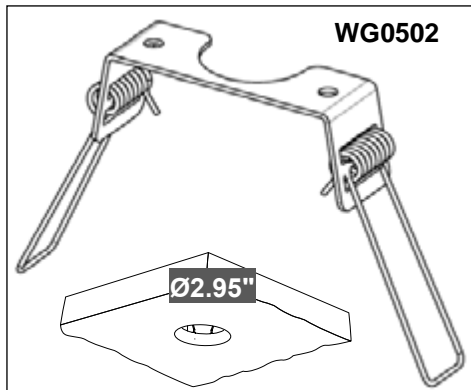


### BEAM ADJUSTMENT (fig. 5)

When installing adjustable devices, insert the lever provided into the screw to adjust the orientation of the light beam. A screwdriver may also be used.

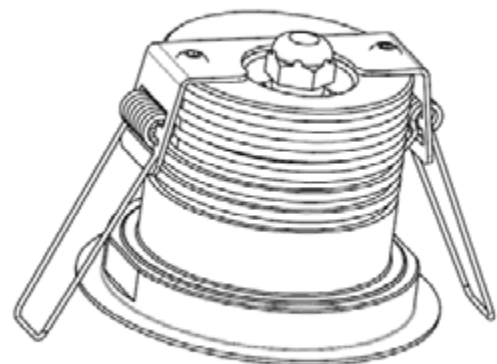
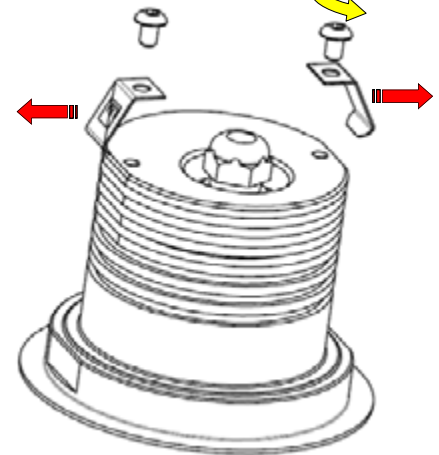
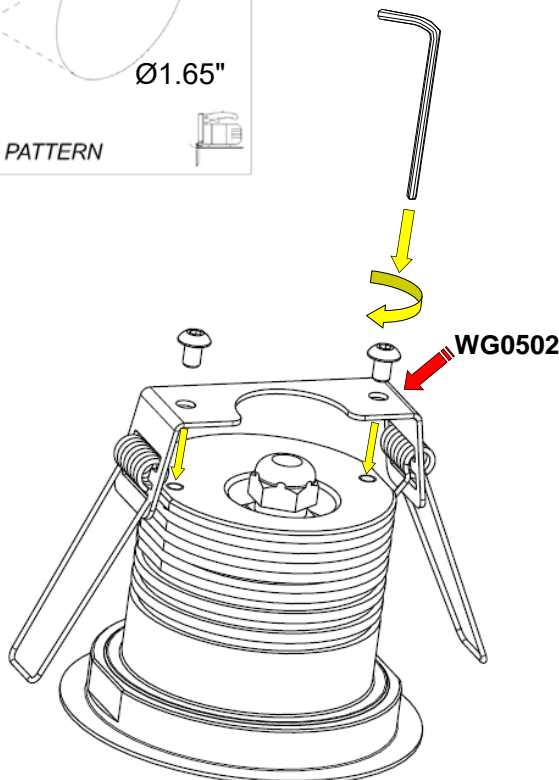
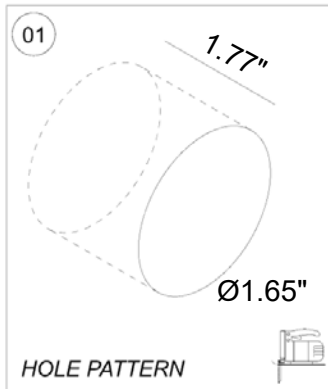
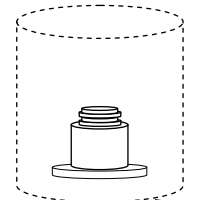
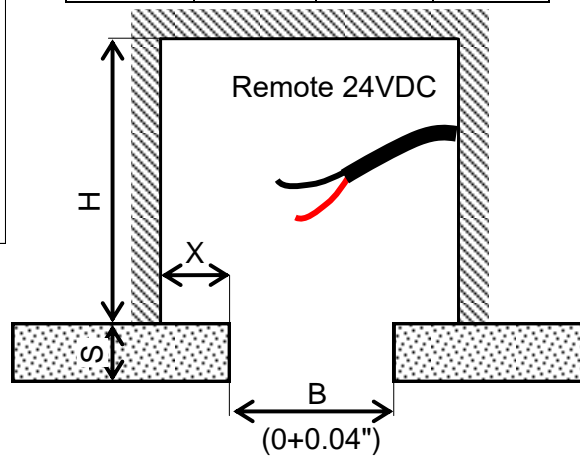
**When you reach the limit stop ( $\pm 15^\circ$ ), do not force it with the lever as this could compromise the device's ingress protection and its functioning.**

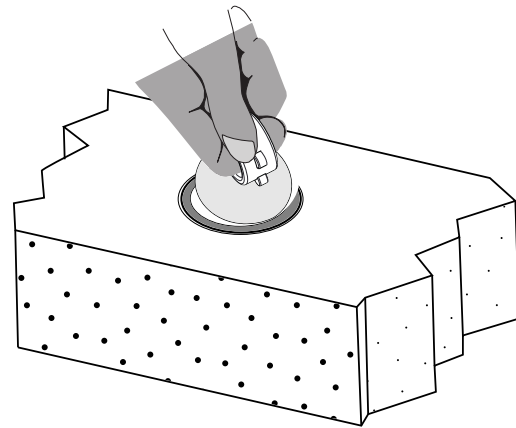
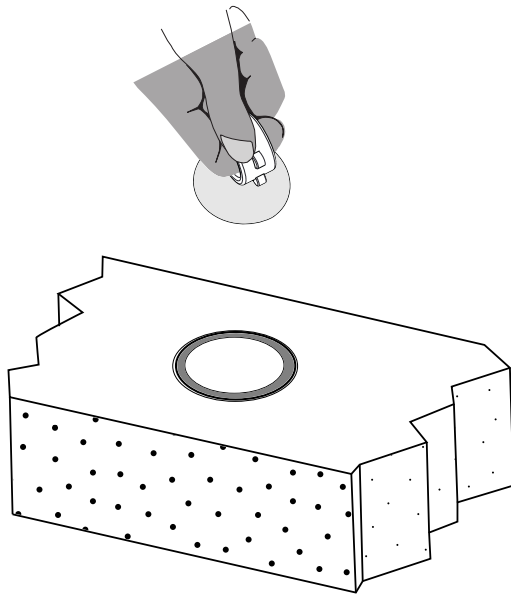
The light beam's axis of rotation is exactly the same as that of the screw.



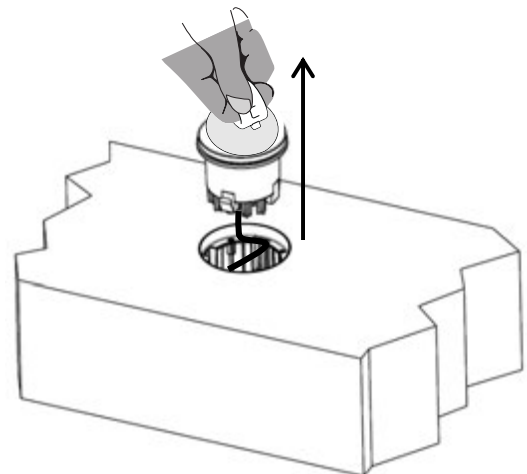
B (in.)	X (in.)	S (in.)	H min (in.)
Ø2.95"	2.36"min	0≥0.98"	5.51"

Overall volume  
Ø7.87" x 5.51"

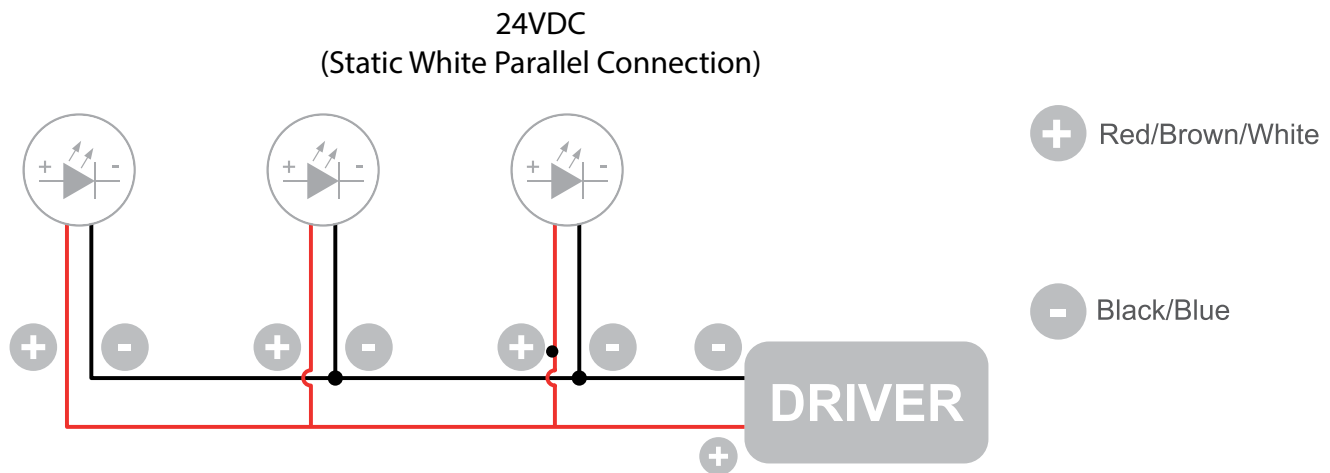




Its successful function can be guaranteed only upon immediate use after installation of the fittings. Long term installation of the spots is subject to dust and dirt infiltration between the glass frame of the fitting and edges of the box, which works as a binding element. In this case the use of the suction cup would not be efficient enough to perform the removal.



## Wiring Diagram



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

- 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.
- 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.