



### Installation Manual for the ZW-Pole.

- 1: Dig the hole for the foundation. (450mm x 450mm x 1060mm) Top of foundation with base should be at streetlevel.
- 2: Place the foundation and fix the base with the 8 nuts included. (8x nuts M16 SW24) Make sure it is leveled. See arrows on pictures with the foundation above.
- 3: Add 4-6 bags (10kg) rapid hardening concrete and let it dry according to instructions.
- 4: Place the foot of the pole horizontally near the foundation. This will be your starting point for the entire installation of the pole.
- 5: Take the top pole and attach arms. Attach wiring and place the gasket between the pole and arms. Attach with 8x Torx 40 bolt M8x20 with 8x M8 Nylon O-rings. (4x per arm)
- 6: Attach solarpanel holders onto the arms with the gasket in between. Horizontally. Use 8x Torx 40 bolt M8x20 with 16x M8 Nylon O-rings and 8x M8 nuts self-sealing. Torx bolt on the outside.
- 7: Attach wiring and place solarpanels into the holders and fix sideways with the Pre-Drill screws. 16x total, 8x per holder.
- 8: Place toppole near base pole and connect wiring. Slide toppole over the basepole. Wires will slide into the pole and fix the toppole with the 6x Hexagon socket screws M10x20. Later you can use these screws to adjust the pole towards perfect sun-position.
- 9: Attach the wiring from the Flower Turbine and place it onto the toppole. Fix the Turbine with the 8x Bolts and nuts & 16x rings.
- 10: Assembly is now completed. Only now the entire pole is put upright and placed onto the foundation. Fix the pole with the anchors included onto the foundation using 4x Anchors M12x90, 4x nut M12 selfsealing.