

Instruction Manual for LED Underwater Light HT029C-P-T



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IMPORTANT: This manual includes essential information on the safety measures to be implemented for installation and start-up. Therefore, the installer, as well as the user, must read these instructions before beginning installation and start-up.

Technical Specification

Standard input voltage: 12V AC/DC (Range: 12~18VAC or DC)

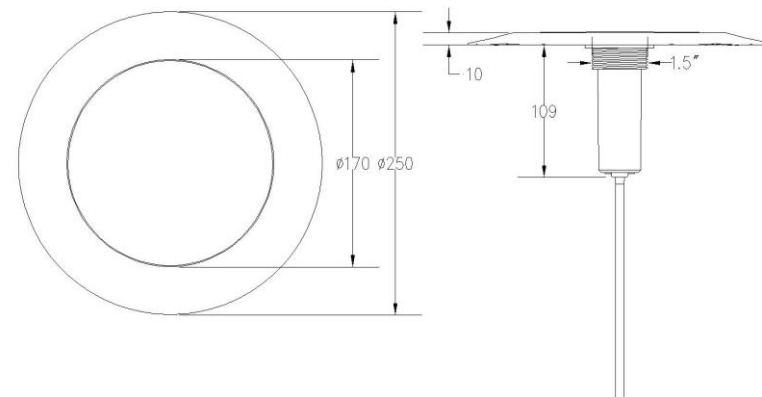
Standard input watt:

RGB				White			
18W	23W	30W	33W	21W	26W	33W	36W

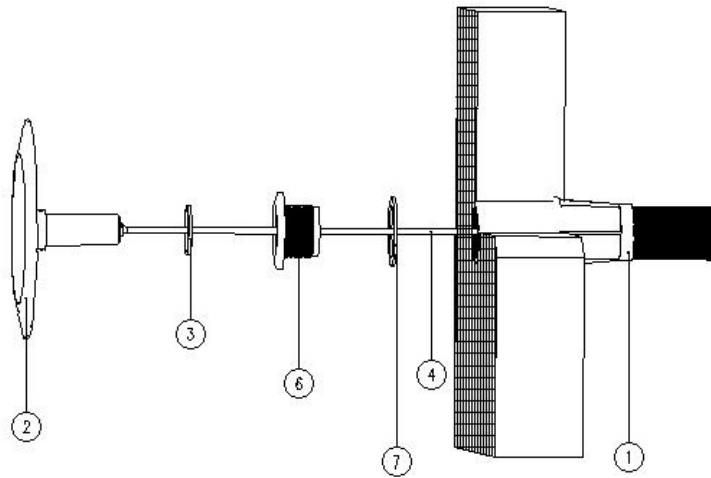
Use life: 60,000 hours

16 programs with Synchronization capability

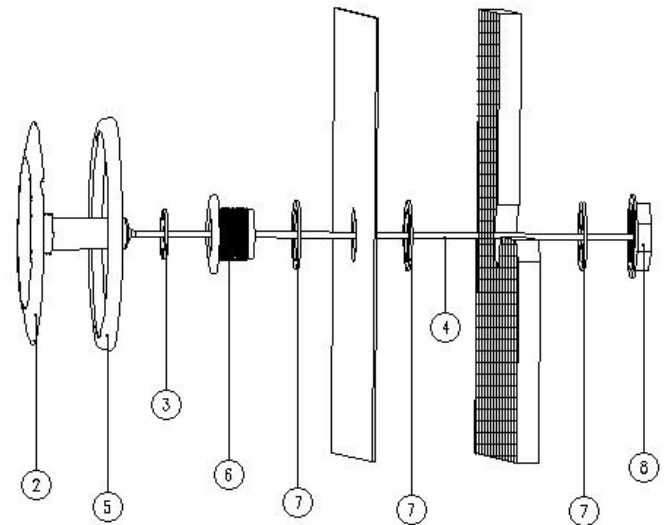
Dimensions:



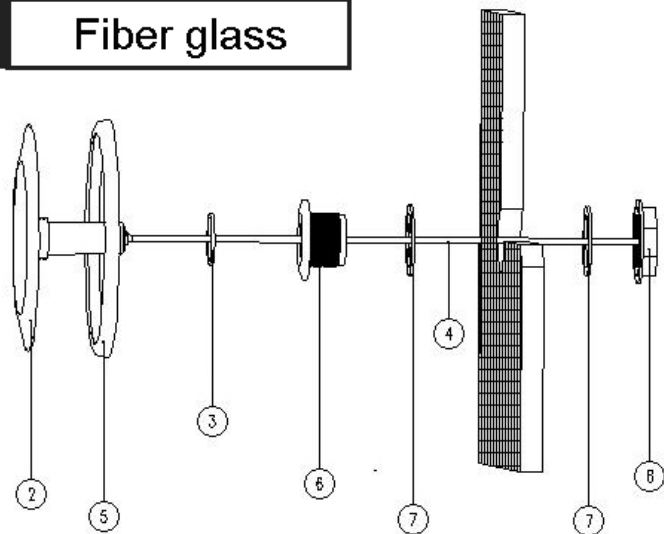
1 Concrete & tile



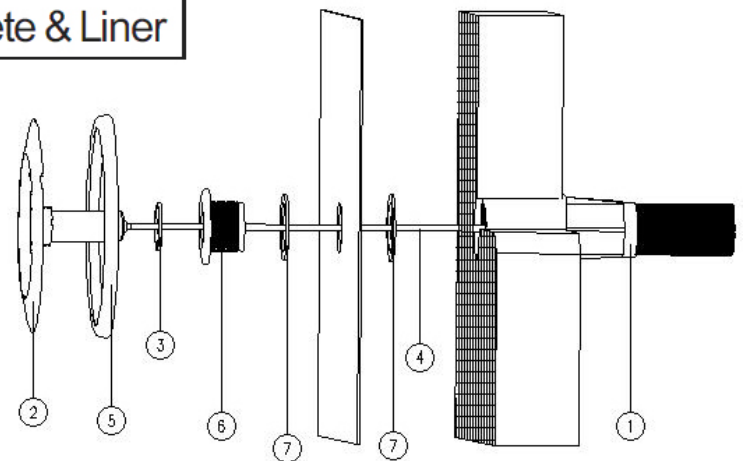
2.1 Panel & Liner



2 Fiber glass



3 Concrete & Liner



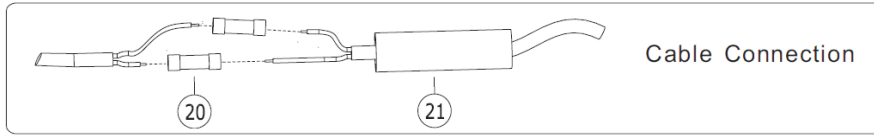


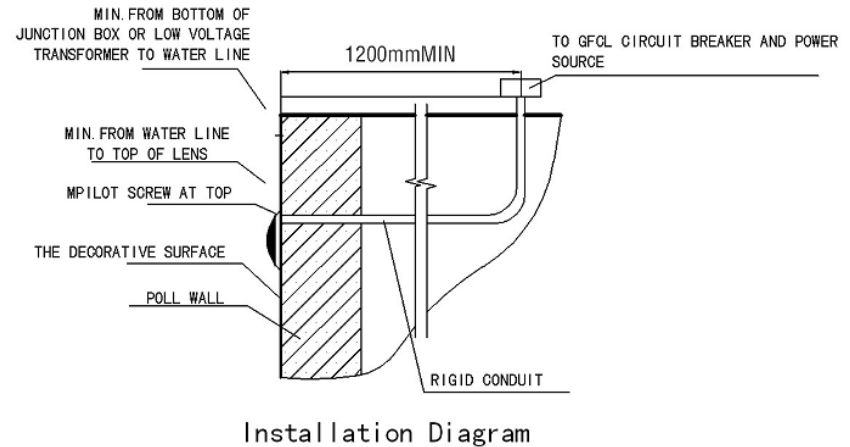
Chart of parts

No.	Part Description	Quantity				
		1	2	2.1	3	
01	2" wall conduit	1	1	1	1	**
02	LED lamp	1	1	1	1	
03	Silicon gasket A	1	1	1	1	
04	Cable 4M	1	1	1	1	
05	Silicon O'ring	1	1	1	1	
06	1.5" wall fitting		1	1	1	*
07	Silicon gasket C		2	3	2	*
08	Fixing nut		2	2		*

The parts marked with * are not included and needs to buy separately.

The parts marked with ** are not included.

The below drawing shows how to connect the cable from the lamp to the power source.



Maintenance & Replacement

There is no maintenance required for this lamp – it is designed to be used only once, meaning that replacement is necessary if it becomes defective (repairing is impossible). Before any handling, ensure that there is NO voltage supplied to the lamp. To replace, unfasten the lamp from the bracket and disassemble the cable. Ensure the new lamp is of the same model and characteristics as the one being replaced.

Start-up

- The lamp should only operate underwater while secured to the vertical walls of the pool. **Never switch on the lamp if it is not underwater.**
- In case of colored lamps, 16 pre-programmed effects and combinations may be selected using the on/off switch of your pool lights. Just switch off and switch on within 2 seconds.
- If the light is powered off for more than 20 seconds, it will keep the latest program when it is turned on again.

- To achieve synchronization, confirm all lamps are installed correctly on the same switch, after they are powered off for more than 20 seconds, switch on and switch off continuously three times, and then finally turn them on again. They will all go to program 5. Now you can select a program for them by switch off and on within 8 seconds.
- Alternatively, we recommend using our optional controller (with in-built safety transformer) which comes with (a) remote control for easy operation and (b) auxiliary connection of 24V for operation of any other electrical item.

Safety Warnings

The persons who are in charge of installation should have the required qualifications for this type of work.

- Avoid making contact with the electric voltage.
- Comply with the current standards regarding accident prevention.
- IEC 364-7-702 standards must be observed: WIRING IN BUILDINGS, SPECIAL WIRING, SWIMMING POOLS.
- Replacement must be performed with the lamp disconnected from the electric power system.
- Do not handle any electrical components with wet feet.

Warranty

The manufacturer warrants this resin filled LED underwater lights against defects in materials and workmanship for a period of three years from the date of purchase. This warranty does not cover the fixture becoming damaged due to misuse, accidental damaged, improper handling and/or installation and specifically excludes liability for direct, incidental or consequential damages. Defects in materials and workmanship are exclusive of the following:

- The light with less than 400 normal LED has 3 dead LED or less.
- The light with more than 400 normal LED has 6 dead LED or less.
- The light has small air bulbs inside the resin on the front side with a size of 9 mm² or less, and the number of the air bulbs is 3 or less.
- The light has small air bulbs inside the resin on the back side.