


ASTRON^{UV} LED 15R - Retrofit lamp

Instruction of use

This is the instruction that we will supply with the use of the **Astron Retrofit** (*) LED lamp:

Situation	For use in unit with:	Starter	Lamp placement	Remark
A	Magnetic ballast and starter	Replace standard starter for LED starter 	Works in both ways.	The lamp(s) will operate in: <ul style="list-style-type: none">a circuit for one lampa circuit with two lamps in a serial (sequential) electric connection.
B	Unit without ballast		Works only in one way. If lamp is wrongly placed, it will short circuit. (An internal fuse will blow)	We will place an extra warning message on the lamp that the live side of the lamp needs to be connected with the live side of the unit.
C	High frequency ballast	The LED lamp can only be used in this unit after the high frequency ballast has been removed from the electric circuit. After this follow the instruction of situation B. This work must be carried out by a qualified electrician.		

(*) Do not use the standard Astron UV LED lamps. Only the ASTRON R UV LED lamps can be used in units with a magnetic ballast & starter combination.

LED tube mounting direction



LIVE SIDE



Connect the marked **'LIVE SIDE'** in the IP20 green socket and at the **'AC INPUT'** socket side of an IP65 unit.



Technical specifications

No	Lamp and ballast combination	Typical energy consumption per hour (W)	Energy consumption per year (kW) (8760 hrs)	Energy saving of the ASTRON ^{UV} LED 15R lamp (kW)
1	Traditional 15 Watt lamp and magnetic ballast	20	175	96
2	ASTRON ^{UV} 15R LED Retrofit lamp (with internal driver)	9	79	