ASTRON^{UV} *LED 15R - Retrofit lamp*

ASTRON UV
UV CONTROL LAMPS

DON'T USE THIS SIDE FOR "LIVE SIDE"

IN PACKAGE:
UV LED lamp
LED starter
Instruction Manual

ASTRON-UV.COM
by Alcochem Hygiene
van Dijklaan 17m
5581 WG Waalre - The Netherlands

Art. nr. 2.04.0520



ABOUT ASTRON LED LAMPS:
- *The UV ASTRON LED lamp is developed to guarantee a long a trouble-free lifetime.*
- *The UV ASTRON LED lamp needs to be cleaned periodically (ideally 4 times per year).*

Explanation: *As the UV ASTRON LED lamps become warmer than the conventional UV fluorescent lamps, they attract more dirt and organic particles on its surface. These particles block the UV-A light, which will affect the attraction potential of the UV ASTRON LED lamp.*

- *Cleaning them with a soapy detergent is therefore essential.*

Notice: *UV emitted from this product. Minimise exposure to eyes or skin. Use appropriate shielding.*

WARNINGS:
- *The appliance is not to be installed by children or persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.*
- *The appliance is not to be used in locations where flammable vapours or explosive dusts are likely to exist.*
- *If the power cord is damaged, it must be replaced by the manufacturer, its service agent or qualified and licensed electrician in order to avoid a hazar.*
- *Operation environment temperature: from -20 °C to +40 °C.*
- *This lamp **may not** be suitable for use in all applications where a traditional fluorescent lamp has been used.*

INSTRUCTION OF USE

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

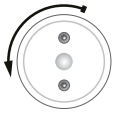
Situation	*For use in unit with:*	*Starter*	*Lamp placement*	*Attention*
A	*Magnetic ballast and starter*	*Replace standard starter for LED starter* 	*Works in both ways.*	*The lamp(s) will operate in:* • *a 100-240V circuit **for "one" lamp*** • *a 220-240V circuit **for "two" lamps** in a serial (sequential) 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)*	*The lamp(s) will operate in:* • *a 100-240V circuit **for "one" lamp*** • *a 220-240V circuit **for "two" lamps** in a serial (sequential) electric connection.*
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^{UV} LED II 15R lamps can be used in units with a magnetic ballast & starter combination.

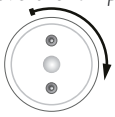
ATTENTION!! BE CAREFUL CONNECTING THE 15R LED LAMP - READ INSTRUCTIONS BELOW

LAMP ROTATION INSTRUCTION 15R LED - *How to insert/remove the lamp in an unit*

*Rotation of the lamp seen from the **"LIVE SIDE"** of the lamp.*



*Lamp **Insert** and **Remove** direction*

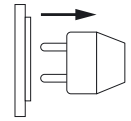


*Lamp In **Adjustment** direction*

- *30,000 HRS (3.5 YEARS)*
- *ROTATIONAL LAMP CONNECTOR*
- *TÜV APPROVED*
- *HIGH UV OUTPUT*

A. INSTALLATION/REPLACEMENT - LED LAMP - *Mounting direction for LED lamp in a LED unit*

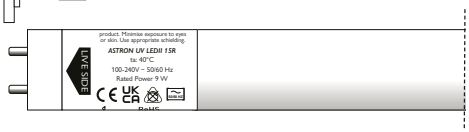
Disconnect mains plug from electrical outlet



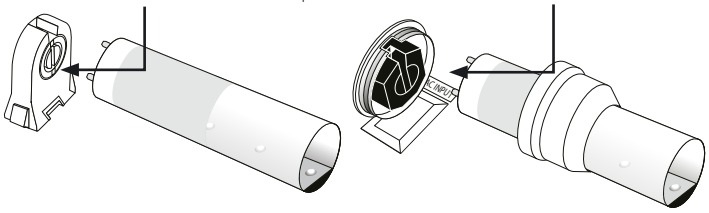
No starter needed for LED unit



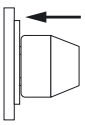




Connect the marked ***'LIVE SIDE' OF THE LAMP*** in to the IP20 "AC input" socket or in the "AC input" socket of an IP65 unit.

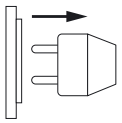


Connect mains plug into electrical outlet

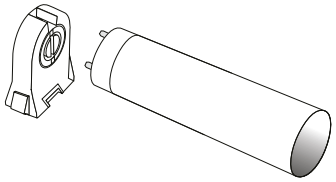


B. INSTALLATION/REPLACEMENT - FLUORESCENT LAMP - *Mounting direction for LED lamp in a Conventional (fluorescent) unit*

Disconnect mains plug from electrical outlet



Remove - Fluorescent lamp



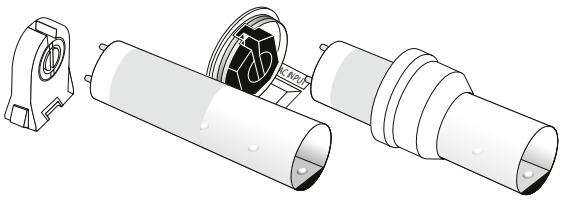
Remove - Fluorescent starter



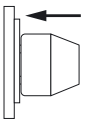
Insert - LED starter



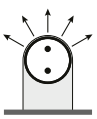
Insert - LED lamp



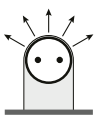
Connect mains plug into electrical outlet



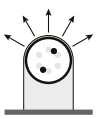
ASTRON^{UV} LED II 15R
Operating temperature: -20~40 °C
ta: 40 °C
100-240V ~ 50/60 Hz
Rated Power 9 W



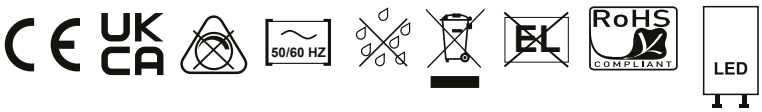
Horizontal pin



Vertical pin



Angled pin



HOURS RUN INDICATOR

When the ASTRONUV LED II 15R lamp is placed in the unit and the power of the unit is switched on a green LED indicator, placed in the corner of the LED strip, will flicker for 3 seconds and switch off again. ***This implies that the hours run counter is now operational and working.***



❶ ***After 25,000 hours*** *the **green LED indicator** on the side of the LED strip will start working, indicating that the ASTRON LED lamp needs replacement in the upcoming period. (warning signal)*

❷ ***After 30,000 hours*** *a **second green LED indicator** on the other side of the LED strip will start working, indicating that the LED functionality can no longer be guaranteed and the ASTRON LED lamp needs immediate replacement.*

Guarantee period: *2 years on electrical failures (mechanical defaults are excluded from guarantee)*

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2026-4