

## ANDROMEDA SERIES UV-C RADIATORS

The Andromeda series includes the following types of products:

- **Andromeda UVC144W4-230 - with 4 bactericidal tubes 36 W**
- **Andromeda UVC216W6-230 - with 6 bactericidal tubes 36 W**
- **Andromeda UVC288W8-230 - with 8 bactericidal tubes 36 W**

**MANUFACTURER:** "Industrial Lighting" Ltd.



### **PURPOSE:**

UV-C irradiators are used to disinfect air and surfaces. The use of ultraviolet light for disinfection is characterized by ease of use, small dosages and high efficiency. The Andromeda UV-C series of lamps is designed as a high-class irradiator designed to meet the highest requirements for efficiency, strength and quality. In the manufacture of the irradiators are used entirely quality elements from reputable manufacturers.

### **ZONE-FREE UV-C TUBES:**

The irradiators are equipped with TUV 36W lamps by PHILIPS or with compatible analogues of OSRAM / GE / TUNGSRAM / SYLVANIA and others.

Main parameters of bactericidal lamp TUV 36W PHILIPS:

- Electric power - 36 W;
- Rated current - 0.44 A;
- Emitted UV power - 15W;
- Average duration of illumination: 9000 hours;
- Length: 1205 mm.

Ozone-free lamps are made of glass, limiting to a minimum the 185 nm line of the mercury discharge, which generates ozone.

**HOUSING:** Aluminum - "Industrial Lighting" Ltd. Bulgaria.

**CONTROL MODULE:** "Industrial Lighting" Ltd. Bulgaria.

**FASTENERS:** Stainless steel in accordance with DIN 933.

**Technical parameters of the irradiator:**

- Overall dimensions - 1400 mm /  $\phi$  <400 mm;
- Maximum weight - 10 kg;
- Length of the power cable from 5 m to 15 m (according to the customer's order).

**Built-in functions:**

- Delayed start - 20 seconds before the start of the emission;
- Choice of time for disinfection from 1 to 120 minutes;
- Sound signal - 80 dB, warning of the danger of radiation during operation of the irradiator;
- Built-in microwave sensor with a detection angle of 360° and a range of 15 m, which stops the operation of the irradiator when motion is detected.

**HOUSING COLOR:** RAL 9001 or any other RAL color according to the customer's order for more than 10 pieces.

RAL 1000	RAL 1001	RAL 1002	RAL 1003	RAL 1004	RAL 1005	RAL 1006	RAL 1007
RAL 1011	RAL 1012	RAL 1013	RAL 1014	RAL 1015	RAL 1016	RAL 1017	RAL 1018
RAL 1019	RAL 1020	RAL 1021	RAL 1023	RAL 1024	RAL 1027	RAL 1028	RAL 1032
RAL 1033	RAL 1034	RAL 2000	RAL 2001	RAL 2002	RAL 2003	RAL 2004	RAL 2008
RAL 2009	RAL 2010	RAL 2011	RAL 2012	RAL 3000	RAL 3001	RAL 3002	RAL 3003
RAL 3004	RAL 3005	RAL 3007	RAL 3009	RAL 3011	RAL 3012	RAL 3013	RAL 3014
RAL 3015	RAL 3016	RAL 3017	RAL 3018	RAL 3020	RAL 3022	RAL 3027	RAL 3031
RAL 4001	RAL 4002	RAL 4003	RAL 4004	RAL 4005	RAL 4006	RAL 4007	RAL 4008
RAL 4009	RAL 5000	RAL 5001	RAL 5002	RAL 5003	RAL 5004	RAL 5005	RAL 5007
RAL 5008	RAL 5009	RAL 5010	RAL 5011	RAL 5012	RAL 5013	RAL 5014	RAL 5016
RAL 6017	RAL 6018	RAL 6019	RAL 6020	RAL 6021	RAL 6022	RAL 6023	RAL 6024
RAL 6000	RAL 6001	RAL 6002	RAL 6003	RAL 6004	RAL 6005	RAL 6006	RAL 6007
RAL 6008	RAL 6009	RAL 6010	RAL 6011	RAL 6012	RAL 6013	RAL 6014	RAL 6015
RAL 6016	RAL 6017	RAL 6018	RAL 6019	RAL 6020	RAL 6021	RAL 6022	RAL 6024
RAL 6025	RAL 6026	RAL 6027	RAL 6028	RAL 6029	RAL 6032	RAL 6033	RAL 6034
RAL 7000	RAL 7001	RAL 7001	RAL 7002	RAL 7003	RAL 7004	RAL 7005	RAL 7006
RAL 7008	RAL 7009	RAL 7010	RAL 7011	RAL 7012	RAL 7013	RAL 7015	RAL 7016
RAL 7021	RAL 7022	RAL 7023	RAL 7024	RAL 7026	RAL 7030	RAL 7031	RAL 7032
RAL 7033	RAL 7034	RAL 7035	RAL 7036	RAL 7037	RAL 7038	RAL 7039	RAL 7040
RAL 7042	RAL 7043	RAL 7044	RAL 8000	RAL 8001	RAL 8002	RAL 8003	RAL 8004
RAL 8007	RAL 8008	RAL 8011	RAL 8012	RAL 8014	RAL 8015	RAL 8016	RAL 8017
RAL 8019	RAL 8022	RAL 8023	RAL 8024	RAL 8025	RAL 8028	RAL 9001	RAL 9002
RAL 9003	RAL 9004	RAL 9005	RAL 9010	RAL 9011	RAL 9016	RAL 9017	RAL 9018

**CERTIFICATION:** Andromeda UVC irradiators have full CE certification.

#### **WORKING, TRANSPORTATION AND STORAGE CONDITIONS:**

The irradiators should be stored indoors:

- at air temperature from -30 ° C to + 55 ° C (up to 24 hours to + 70 ° C);
- at a relative humidity of 80% (at 86-106KPa);
- without the presence of harmful impurities causing corrosion of the aluminum body.

The irradiators must be transported in the original packaging provided by the manufacturer.

#### **QUALITY CONTROL:**

The device has been checked by the quality control bodies and meets the technical requirements. Only manufacturer's components should be used when replacing irradiator components.

Repairs are only carried out by the manufacturer's service representative.

#### **WARRANTY:**

The warranty period of the Andromeda UVC range irradiators is 60 months from the date of sale, excluding UV-C tubes.

Any malfunction that occurs during this period shall be replaced free of charge, provided that:

- the conditions for installation, operation, transport and storage of the device are met;
- power surges, water intrusion, abuse, accidental damage, vandalism, fire, natural disasters, lightning, etc. similar;
- no attempts have been made to open the device and / or eliminate the damage by personnel not authorized by "Industrial Lighting" Ltd.

#### **SAFETY !**

UV-C is classified as "logically expected to be carcinogenic to humans". UV-C poses a danger to human eyes and skin and direct exposure of people to UV-C should not be allowed.

The presence of people, animals and live plants in the premises where UV disinfection is performed is not allowed.

UV-C radiation is not transmitted by a number of materials, including most types of glass (but not quartz glass) and most clear plastics.

The Andromeda UVC irradiators are equipped with 2 pcs. transparent protective masks.

UV-C systems provide waste-free disinfection. Minimal ozone formation is possible. In order to clear the remnants of destroyed bacteria and ozone, it is recommended to ventilate the room after each disinfection.



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The process is environmentally friendly because it does not use or generate hazardous or toxic chemicals that require specialized storage. Ultraviolet radiation is a green alternative to chemical disinfectants.

Periodically clean the bactericidal tubes with a glass cleaner and a lint-free cloth. Bactericidal tubes contain minimal amounts of mercury and should be collected and disposed of separately.

### **MANUFACTURER'S DATA:**

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