

Maintenance - Service - Safety - Installation For Lumalier UVGI Air & Surface Disinfector BLU-236 & BLU-436





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RL0061114TJG-BLUDS236



RL0061114TJG-BLUDS436



1. Disconnect power to fixture location. Be sure that the mounting structure will safely support the weight of the entire fixture so that no immediate or future damge will occur to persons or property. All work to be performed by a licensed electrician & in accordance with the National Electrical Code and any local codes.

2. Remove the reflector/lamp guard assembly by removing the screws indicated below.

3. Position the fixture housing so as to route the house wiring into the fixture. Secure the housing to the mounting surface thru the holes provided using appropriate anchors (by others).

4. Make-up wiring connections. Fixture wiring color code is: black = hot, white = neutral, green = ground.

5. Lamp fixture and reinstall lamp guard.

Risk of exposure to excessive ultraviolet (UV) radiation - Do not operate without complete lamp enclosure in place or if glass lens is damaged.

This fixture is designed for use with germicidal lamps and must be installed in compliance with competent technical directions so that user's eyes and bare skin will not be subjected to injurious rays. WARNING:Eye damage may result from directly viewing the light produced by these lamps. To reduce the risk of exposure to UV-radiation, take UV-radiation protective measures for personnel during servicing.

WARNING: Do not mount in direct line-of-sight of adjacent wiring or nonmetallic materials.



Troubleshooting Guide, Lumalier Model BLU

Issue	Probable Cause and Solution			
Single lamp flickers	Lamp is not securely seated in the socket. Remove and securely reseat lamp Lamp is defective or at the end of its life cycle Replace with new lamp 			
Row of lamps flicker	Connection between lamps may be loose. • Check all electrical connections			
Single lamp is out	Lamp is not securely seated in the socket. • Remove and securely reseat the lamp Lamp is defective or at the end of its life cycle • Replace with new lamp Lamp socket is broken or defective • Replace broken lamp socket Ballast is defective NOTE: On most BLU units, one ballast is used to power two lamps; if the ballast is defective, two lamps will fail to illuminate. One ballast can power one lamp also.			
Two lamps are out	 On all BLU units if neither lamp will energize, or if either of the two lamps is 'burned', or improperly seated in the socket, or if the ballast is defective. Check to insure both lamps are securely seated in their lamp sockets. Replace one of the lamps, but do not dispose of the removed lamp. If both lamps fail to energize, replace the second lamp with the lamp removed from the first socket. If both lamps again fail to energize, replace both lamps. If both new lamps fail to energize, check wiring to the ballast. If wiring appears to be OK, replace the ballast. 			

Troubleshooting Guide, Lumalier model BLU Continued

NOTE:

To prevent damage to lamps or sockets, follow lamp replacement instructions carefully. Insert the 4 pin base of the lamp into the lamp socket at an angle then while holding the lamp base in socket, rotate free end of lamp up into the metal lamp clip while at the same time making sure that the free side of the lamp base snaps into the locking tab on the socket. A 'click' will be heard or felt when the lamp is properly seated. Removal is performed by reversing this action.

Always use gloves to avoid surface contamination of the lamp. Always dispose of lamps in accordance with local waste disposal laws. For reference, Philips lamps contain \leq 5mg of Mercury.

Ballast replacement requires proper training, tools and skills. DO NOT attempt to secure wiring or replace ballasts without proper knowledge and training to do so.

Part	Manufacturer	Part No.	Description	
Ballast	Advance	IUV-2S36-M2-LD	Multi voltage 120 thru 277	
Sockets	Edwin Gaynor	286-SC	75W 600V	
Wire	TEWN	18Ga.	Black, white, green, red, blue, yellow	
Fuse	ADL	MDL-10	10A; to 480V;Enclosed Snap-action	
Fuse Holder	BUSS	HKP-HH	15A	
Lamps	Philips	PL-L 36W TUV		
Squeeze Connectors	3M	L501	Drop-down	
Toggle Switch	OMRON	085720134	1/4A/250V;3/4A/125V	
Optional 9'-0" Power Cord		E243929	3-Conductor	

BLU Parts List



Philips Lighting Company

MATERIAL SAFETY DATA SHEET

S06-03001 Revised: 12/2012

PRODUCT: TUV Germicidal Lamps

SECTION 1: MANUFACTURER

Manufacturer's Name and Address:		 Philips Lighting Company A Division of Philips Electronics North America Corporation 200 Franklin Square Drive Somerset, NJ 08873-4186 	
Emergency Telephone No:	(800) (800)	424-9300 CHEMTREC 555-0050 Philips Lighting Technical Information	

SECTION 2: HAZARDOUS INGREDIENTS

	OSHA (PEL) mg/m ³	ACGIH (TLV) mg/m ³ TWA	% by Wt.
Inert Ingredients (Glass, Metal, etc	.)	.025	~ 99
Mercury (7439-97-6)	.1		~0.1

Mercury is inside the lamp, breakage may result in exposure.

SECTION 3: PHYSICAL CHEMICAL CHARACTERISTICS

This item is a glass light bulb. The mercury is inside the bulb, chemical characteristics of the bulb are not applicable. This bulb can crack if hit with a heavy object.



Philips Lighting Company 200 Franklin Square Drive Somerset, NJ 08873-4186

SECTION 4: FIRE AND EXPLOSION DATA

Glass is not a combustible, melting point is over 900°F. Fire and explosion data are not applicable. Under extreme heat, the bulb might crack or melt.

SECTION 5: REACTVITY DATA

Stability:Lamp is stable.Incompatibility:Glass can be attacked by hydrofluoric acid.Polymerization:Not Applicable.

SECTION 6: HEALTH EFFECTS

DANGER: These lamps emit ULTRAVIOLET RADIATION (UVC). Avoid exposure. Ultraviolet radiation is harmful to the skin and the eyes and can cause serious skin burns and eye injury either from direct or reflected radiation. To reduce the risk of personal injury, install only in fixtures which provide adequate protection to area occupants. Should not be used for illumination purposes.

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

Consult the fixture manufacturer regarding the suitability of the fixture for this lamp. Operate with proper auxiliary equipment. Turn off lamps before installing, replacing, cleaning or performing any maintenance work near fixtures.

Handle lamps carefully to avoid breakage. Broken glass can cause cuts.

Waste Disposal Method: At the end of rated life, when this lamp is removed from service, it will be subjected to the current Toxic Characteristic Leaching Procedure (TCLP) prescribed by the Environmental Protection Agency. This test is used to determine whether an item is a hazardous waste or a non-hazardous waste under current EPA definitions. These lamps would fail the TCLP test and would be considered hazardous under the Universal Waste Rules. Generators should evaluate all of the disposal options, which may be available in the particular state in which the generator's facility is located. The generator should check with federal, state and local officials for their guidance. Philips encourages recycling of its products by qualified recyclers.

Occupational Health and Safety Administration (OSHA) Material Safety Data Sheet (MSDS) requirements for materials are not applicable to manufactured articles in which individuals would not be subjected to materials contained in the article during its normally intended use. The information in this document is provided as a courtesy and is intended to provide relevant information in the event the articles it covers are encountered during unintended, or abnormal, circumstances.

SECTION 8: CONTROL MEASURES

Do not operate under these lamps without personal protective equipment. (Goggles, glove, skin protection)

Respiratory protection: If large numbers of these lamps are being broken an appropriate respirator should be considered. Note: Crushing of lamps on site may require a permit from state or federal authorities. We recommend recycling as the preferred disposal option.

Ventilation: Avoid inhalation of airborne dust

Hand and eye protection should be worn when handling broken glass.

SECTION 9: REGULATORY INFORMATION

As a product these mercury-containing lamps, when shipped in the manufacturer's original packaging, are not regulated for ground or ocean shipment.

This material safety data sheet does not constitute "knowledge of the waste" in certain jurisdictions.

08/2005 Revised: 12/2012 S06-03001