



Maintenance • Service • Safety

Recommendations for Lumalier CM-218 Air & Surface UVC Fixture



1931 Thomas Road | Memphis TN 38134 | 901-800-1709
EPA EST. NO. 91347-TN-002

Maintenance

Scheduled Maintenance Procedures

Quarterly – After reading the warnings, visually inspect lamps to ensure all lamps are operational. Wear eye and skin protection.

Semi-Annually – If the lamps show visual dust accumulation, they should be cleaned.

To clean lamps:

- De-energize by switching the toggle switch to the “off” position.
- Remove the chrome mesh lamp guard.
- Using soft cotton gloves, remove the lamps from the UVC unit.
- Wipe lamps with a soft cotton cloth and isopropyl alcohol; allow to dry.
- Replace the lamps.
- Reinstall the chrome mesh lamp guard.
- Turn on the exterior toggle switch. Read warnings.
- Inspect the lamps through a viewing window to ensure all lamps are energized.

Annually – Replace the lamps.

To replace lamps:

- De-energize by switching the toggle switch to the “off” position.
- Remove the chrome mesh lamp guard.
- Remove the used lamps from the UVC unit.
- Wearing soft cotton gloves, wipe new lamps with a soft cotton cloth and isopropyl alcohol; allow to dry.
- Install the new lamps.
- Turn on the exterior toggle switch.
- Inspect the lamps through the viewing port to ensure all lamps are energized.

Service

Lumalier replacement parts and lamps can be purchased from authorized distributors.

For information call 901-800-1709.

Safety

Personal Protective Equipment

Employees must wear personal protective equipment whenever UVC irradiation measurements are being made close to the lamp source in order to document lamp output, or when maintenance procedures must be performed in areas where UVC systems are activated. Personal Protection Equipment includes:

- Safety glasses with side shields
- Head, neck and face covering opaque to UVC irradiation
- Soft cotton gloves
- Long-sleeved, tightly woven fabrics with SPF 15 or greater

Reporting UV Exposure

If temporary eye or skin irritation develop after acute exposure to UVC irradiation, contact your supervisor and/or physician.

Material Safety Data Sheets (MSDS)

For MSDS sheets on our lamps, please contact your local Lumalier representative.

CM-218 INSTALLATION INSTRUCTIONS

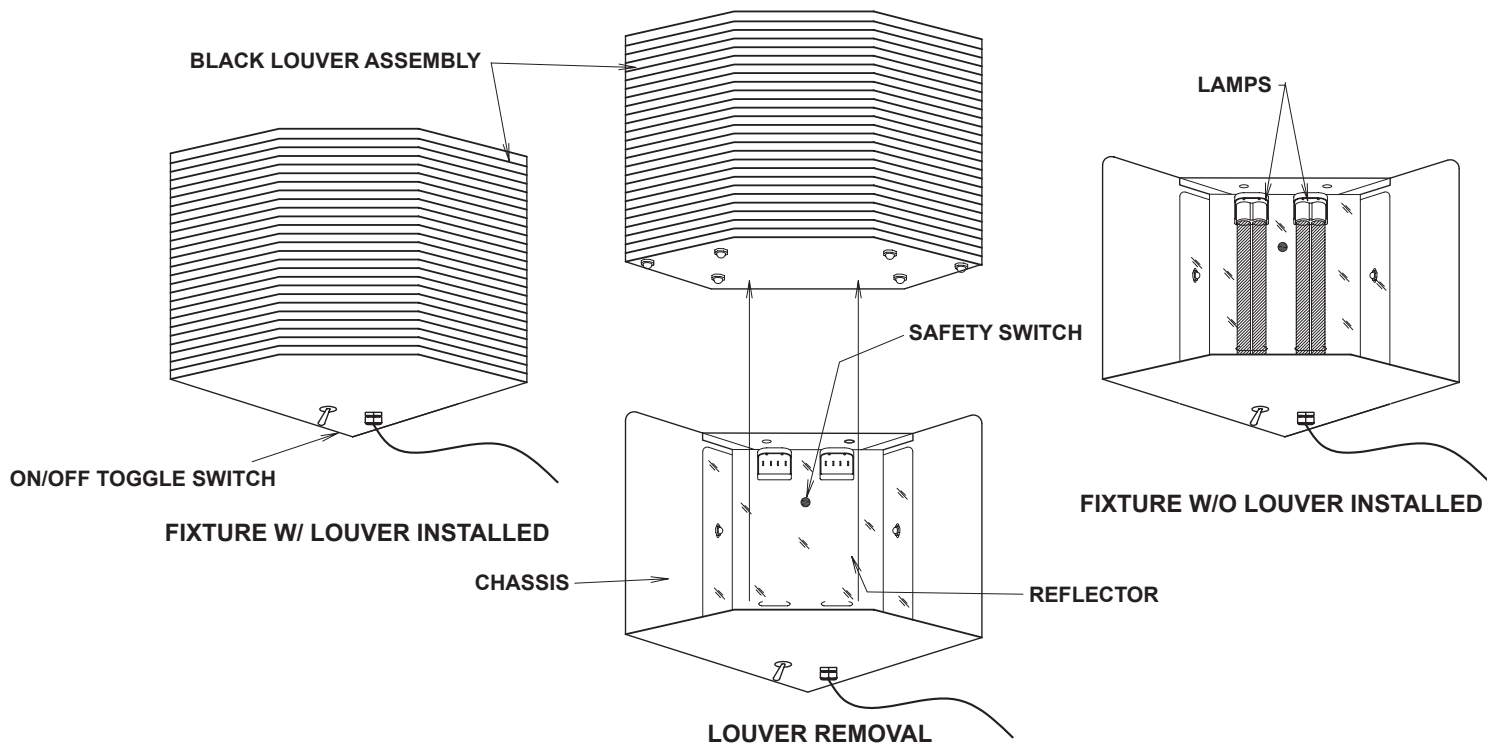
CAUTION

This unit is designed for use with UVC lamps and must be installed in compliance with competent technical directions so that users' eyes and bare skin will not be subjected to injurious rays.

Do not let eyes or bare skin become exposed to UVC rays emitted by the UVC lamps used in this fixture.

Do not mount with bottom of fixture below 7'-0" above finished floor. Minimum ceiling height required for this fixture is 8'-0".

1. Disconnect power to fixture location.
2. Remove the louver assembly by unscrewing the top wing nuts & lifting the black louver assembly out of the chassis.
3. Remove reflector by unscrewing the nuts on each side of reflector. Mount fixture chassis in room corner. Ensure that the mounting structure will safely support the weight (40lbs.) of the entire fixture. Mount fixture chassis in room corner, no less than 7'-0" from finished floor to bottom of fixture. Mount fixture using the four keyhole slots in chassis, and using appropriate anchors (by others).
4. Reinstall reflector, be sure that ON/OFF toggle switch is in "OFF" position, lamp fixture with 2 each 18W twin-tube UVC lamps. Use cotton gloves provided to handle lamps. Touching lamps with bare hands does not effect lamp life. Residue left on lamps can reduce UV output. Clean dirty lamps with isopropyl alcohol & soft cloth.
5. Reinstall louver assembly. Unit will not operate without louvers in place. DO NOT DEFEAT safety switch & activate lamps without louvers in place. Plug cord into 120V grounded outlet. Read caution above & test fixture.



Parts List

Part	Manufacturer	Part No.	Description	Testing
Ballast	Advance	IUV-2S18-HI-LD	Multi voltage 120 thru 277	CE for 230V CSA NRTC/C UL listed 704G
Sockets	Leviton	OG47YO	75W 600V	CSA / UL 75W/600V
Wire	TEWN	18 ga.	Black, white, green, red, blue, yellow	CSA CL1251 AWM3173
Toggle Switch	Leviton	085-720-134	3A/250V; 6/125V	CSA
Lamps	Philips	PL-L 18W TUV		UL; CSA
Squeeze Connectors	3M	L501	Drop-down	CSA