RTU-1, 2 & 3 UV Lights

SUBMITTAL

UVR RLM Extreme Ultraviolet Disinfection

For HVAC Mold, Bacteria & Odor Control

RLM Xtreme™ By UVR UV RESOURCES

UV-C, when specified into new buildings and retrofits, reduces infectious agents, occupant absenteeism, and mechanical system maintenance. UV-C qualifies for LEED points in the energy and sustainability category, and is recognized in many green building standards for being chemical free. Accordingly, UV installations are becoming more commonplace and growing rapidly.

RLM Xtreme Product and Performance Specification

UV-C Fixturing - Fixturing shall consist of a Power Supply, Power Supply Housing, "plenum rated" Wiring Loom, Lamp Plug, Lamp-Plug Protector, Encapsulated Lamp, and LampHolster™.

Power Supply – Power supply shall be CSA and UL Listed as a variable input type (120-277Vac +/- 10%), 50-60 Hz with a programmed rapid start. They shall be designed as High Power Factor, Class P, Sound Rated "A", Type 1 Outdoor and with Inherent Thermal Protection and no PCB's.

Power Supply Housing – Shall be constructed of 20ga galvanized, powder coated steel. They shall be designed to facilitate NEC regulated Power Supply installation outside plenums. Each Housing shall be capable of properly holding, grounding and wiring either four or eight ballasts within to protect against electrical shock and moisture, as well as RF and EMI leaks.

Plenum Rated Wiring Loom – Shall be of sufficient length to facilitate lamp connection to a remotely located power supply. The Lamp and Loom shall be capable of being mounted anywhere in the system and/or as shown on the drawings. The Loom shall be meet UL Subject 13 and UL 1581, and Article 725 of the NEC. The loom jacket shall be constructed of UV-C resistant materials and shall have an internal aluminum/Mylar shield.

LampHolster™ – LampHolsters may be Single or Dual types, magnetically or permanently affixed within the irradiated cavity to interior surface of air handler or to vertical supports (by others). They shall be constructed of UVC resistant materials and provide for maximum flexibility in quick Lamp positioning, removal and holding power.

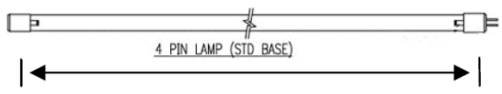
Lamp Plug – Shall be of the 4- pin type capable of accommodating a single-ended HO lamp.

Lamp-Plug Protector – Shall of UV resistant materials and designed to shrink 3-1 over the Lamp Plug and Wiring Loom for protection against electrical shock, moisture and separation.

Intensity – The minimal UV-C energy striking a surface shall be sufficient to continuously destroy a mono-layer of mold and/or bacteria in less than one hour while operating in air temperatures of 1-70° C.

Installation –The ballast housing shall be capable of installation within the air stream and/or within a power supply box. All exposed wires are to be shielded from the UV light rays.

Safety – To protect personnel, all access panels and doors to any UV-C assembly and/or within view of any UV-C assembly must include mechanical interlock switch to insure that all UV-C assemblies will be de-energized when any of these accesses are opened.

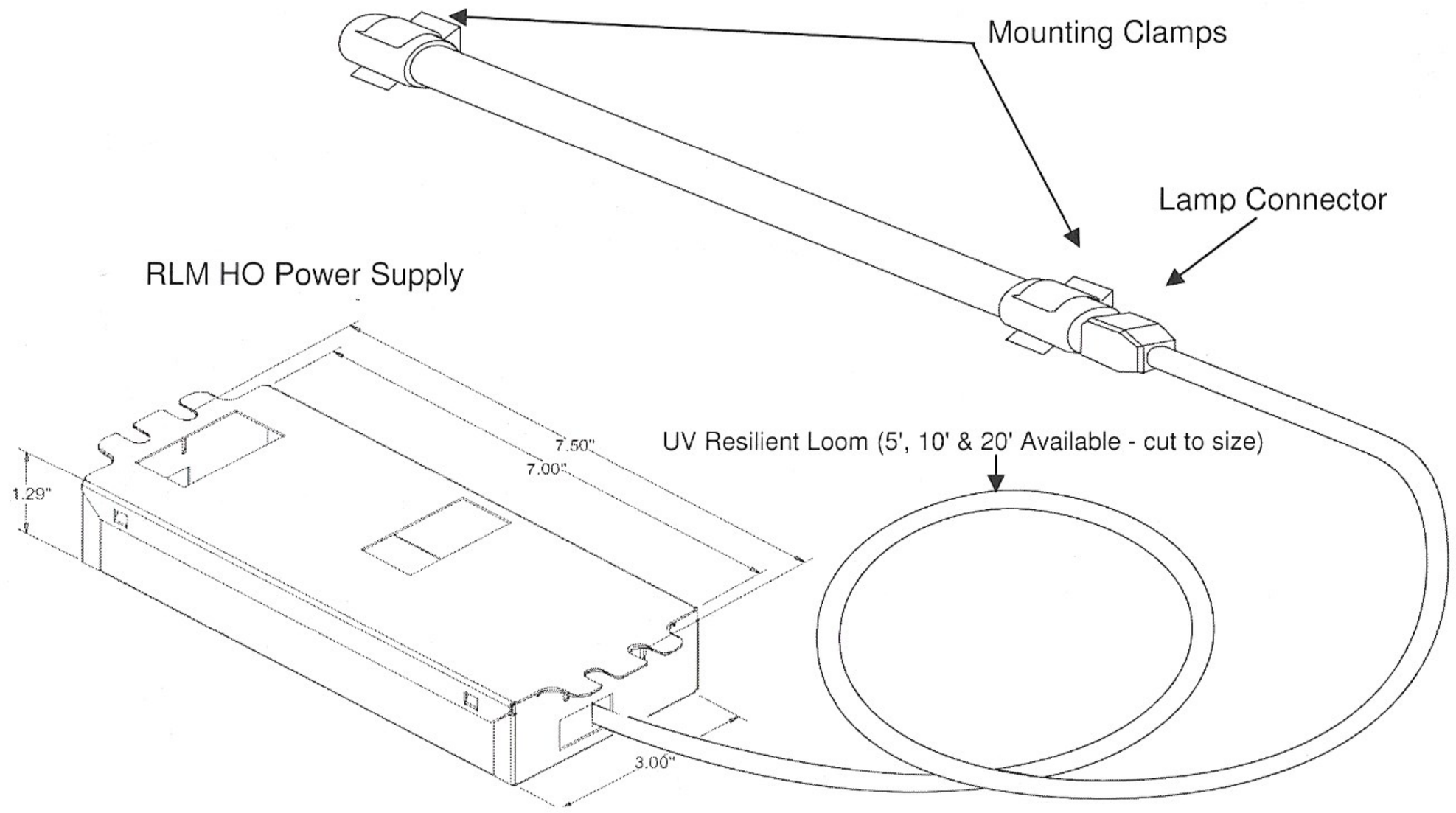
Lamp Spacing Table		**Distance between LampClamps**
Nominal Lamp Length	**Distance between Lamp clamps**	
33" (long) RLM UVC Lamp	Approximately 31.5"	
61" (long) RLM UVC Lamp	Approximately 59.5"	

UVResources

Santa Clarita, California www.UVResources.com

RLM UV-C SERIES - HIGH OUTPUT (HO)

X	Model#	Part #	Description	Electrical	WT
	RLMX-33-HO-120/277	55864551	RLM Xtreme™ 33" Single Ended - High Output - 120-277Vac	120-277 Vac - 75W	5 Lbs
	RLMX-61-HO-120/277	55686551	RLM Xtreme™ 61" Single Ended - High Output - 120-277Vac	120-277Vac - 144W	8 Lbs
	RLMX-33-HO-120/277	55864552	RLM Xtreme™ 33" Single Ended - Dual High Output - 120-277Vac	120-277 Vac - 150W	7 Lbs



Notes:

1. Power Supply UL/CUL Listed
2. Lamps contain less than 8 mg mercury
3. Use Inter-Lock on all Accesses To Lamp(s)
4. CAUTION: Never Look at Lit Lamp - Protect both Eyes and Skin