

Why UV LED?



Advantages of UV-A LED over traditional UV-A lamps

ASTRON UV LED LAMP

FLUORESCENT UV LAMP

New, Light, Simple, Compact		Technology		Old, Bulky, Heavy, Complex
None		Heavy Metals		Mercury (20 - 200 mg)
20,000 - 50,000		Life Time (hrs)		2,000 - 9,000
Non Toxic		Environmental Friendliness		Toxic (Hg, O ₃)
Low		Energy Consumption		High
Single UV band, Customizable		Emission Wavelength		Multiple Peaks
Low		Heat generation		High
Constant		Warm-up time		Long

