

HYDRA™ EXTREME

Ultimate UV-C Install Solution



*Patent Pending



EPA Facility #99690-TX-1



Intertek



DESCRIPTION

The ultimate UV-C, ionizing disinfection solution. With high output surface disinfection UV-C light, integrated LED ambient lighting, and UV-C air disinfection along with Eagle X Pro™ Sterionizer™ for protection 24/7. The Hydra™ Extreme retrofits seamlessly into your existing system, making it the quintessential install fixture for future driven businesses. The Hydra™ Extreme has versatile user definable options; with UV-C surface disinfection, ambient LED lighting from 3000K - 5000K, RGBW ambient lighting, UV-C air disinfection, and optional positive and negative air ionizing with the optional Eagle X Pro Sterionizer™. The Hydra™ Extreme is your ultimate solution for new or existing systems.

AIRDISINFECTION

UV-C air disinfection recirculates the air in your space at 280 cubic feet of air per minute. The Hydra™ Extreme air disinfection is capable of treating 2800 cubic feet of space per unit. That is equivalent to a space of 15'X20' with 10' ceilings. For additional fan options, contact your sales representative. Optionally, you can add the Eagle X Pro™ Sterionizer™ for the ultimate solution in ionization, outputting 10 billion ions per second.

SURFACE DISINFECTION

UV-C Surface disinfection utilizes 3 high output radiators capable of surface disinfection of up to 15'X15' with 10' ceilings per unit.

ELECTRICAL SYSTEM

120V and 277V applications (Other power requirement options available, please contact Nemesis™). 0-10v electronic dimming driver allows a full range of dimming for the integrated LEDs. Long-life LED system rated for >100,000 life hours (L70@50 °C) for configurations with ambient light. Complies with Federal Energy Efficiency Standards. WiFi App/RF key fob control included standard. RJ45 connection available (replaces WiFi/RF control).

LISTINGS

ETL™/Intertek™ Germicidal listed. All Nemesis™ units are built and registered in our EPA™ registered facility #99690 as a Risk Group 3 UV-C product under 40 CFR 156. Proudly designed, sold and manufactured in the USA.

FINISH

Premium UV resistant matte white finish creates a sleek and smooth look with custom color options available.

MOUNTING

2X2 or 2X4 options.
Recessed Grid option with grid clips included.
Recessed Flanged option with swing arm brackets included.
Surface and Pendant mount options also available.

WARRANTY

(2) Year 'typical' limited factory warranty included. Extended warranty duration and terms are available upon separate agreement.

ORDERING INFORMATION

Example: NHE-22-RG-35-HL-MW-SA-120-STER-RGBW

SERIES	FORMAT	MOUNTING	CCT	OUTPUT ¹	FINISH	LENS	VOLTAGE
NHE Nemesis Hydra Extreme	22 2x2	RG Recessed Grid	30 3000K	SL Standard Low	MW Matte White	SA Satin Lens	120 120V
	24 2x4	RF Recessed Flanged	35 3500K	ML Medium Low	SP Special Paint	PM .125 Prismatic Acrylic	277 277V
		HL High Low	40 4000K	SM Standard Medium			CST Custom
		SM Surface Mount	50 5000K	MM Medium Medium			
		PM Pendant Mount					

FAN*	OPTIONS
SS 8' or Lower	DMX DMX/Artnet Control
SM 9'-12'	RGBW RGBW with Wall Control
MM 13'-15'	STER Eagle X Pro Sterionizer™
MF 16'-19'	RJ45 RJ45 Connection
FF 20'-22'	
VF 23' +	

NOTES

¹For custom lumen outputs, add desired lumens to end of part number.

*See table below for detailed specifications.

2X2 is only available up to 6000 lumens.

AMBIENT LIGHT LUMEN PACKAGES

For custom lumen output, add desired lumens to end of part number.

Output	Delivered Lumens	System Wattage	L70 @50°C (hrs)
SL	4650	31	>100K
ML	7974	53	>100K
HL	11150	74	>100K
SM	12040	80	>100K
MM	13016	86	>100K

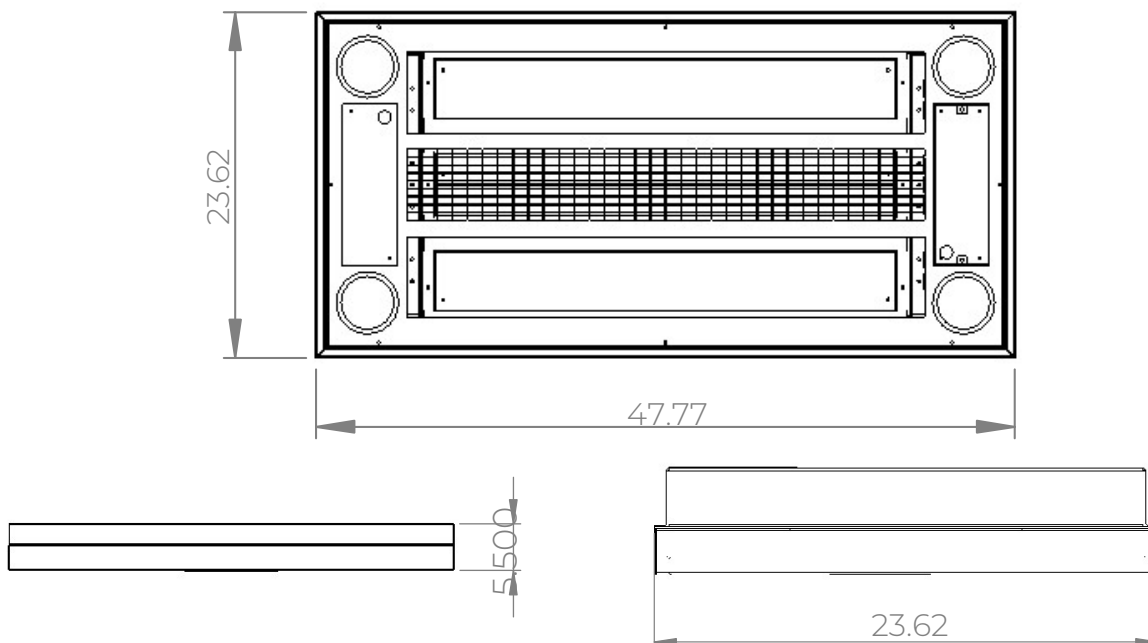
* Delivered Lumens shown were tested with 4000K LEDs with a Satin lens.

FAN OPTIONS

SS	SM	MM	MF	FF	VF
Current (A)	Power (W)	Speed (RPM)	Air Flow (CFM) ((Total with 2 x Fans))	Noise (DBA)	Height for Use
0.5	6	2600	206.6	41.7	8' or less
0.66	7.92	3200	253.86	47.8	9' to 12'
0.98	11.8	3600	285.6	50.2	13' to 15'
1.22	14.6	4200	333.2	55.1	16' to 19'
1.6	19.2	4800	380.80	59.2	20' to 22'
2.6	31.2	5600	444.26	64.8	23' +

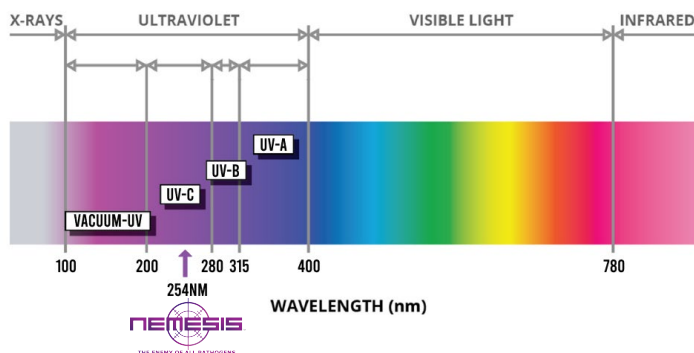
(Optional Variable speed available in all fans as an upgrade)

DIMENSIONS

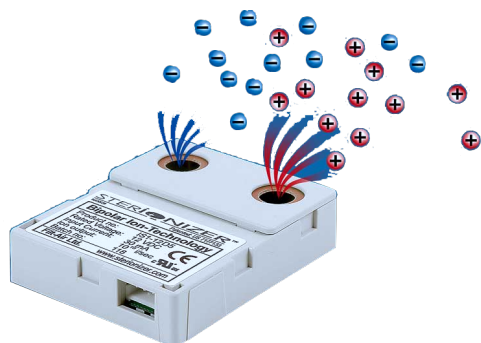


UV-C DISINFECTION INFORMATION

- UV-C light has the ability to inactivate pathogens (including viruses and bacteria) by impacting the cellular RNA and DNA, damaging nucleic acids, and preventing microorganisms from infecting and reproducing.
- UV-C light is invisible to the human eye, although our 254nm lamps contain a fluorescent phosphorous additive that illuminates visible light to ensure you know that the lamp is functional
- 254nm UV-C has been proven to be the optimal wavelength to inactivate pathogens
- Disinfection effectiveness is determined by exposure time, distance and dosage
- UV-C has been a proven, effective air and surface disinfectant for more than 70 years
- UV-C light can potentially pose a safety/health hazard to the skin and eyes when used improperly. The Nemesis™ Hydra™ series is equipped with built in safeguards to ensure the safety of occupants.

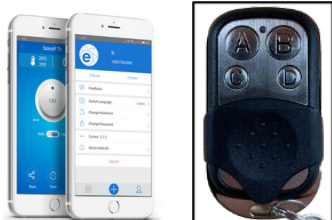


Eagle X Pro Sterionizer™ - OPTION



- The STERIONIZER™ is a patented green space air disinfectant technology that creates the outdoor environment indoors.
- Produces a high-density output of negatively and positively charged ions.
- Available for smaller spaces up to 1,000 square feet
- Produces 10 billion ions per second
- The STERIONIZER™ system acts as an “Iron Dome” against pollutants to neutralize and eliminate the risk of viruses, bacteria, mold spores, and fungus.

RF AND APP CONTROL



- Available with RF and Wi-Fi capabilities for ease of use.
- Scheduling and other timing options are available in the 'eWeLink™' application.
- RF keyfob allows for quick on/off function of the fixture's Ambient LEDs, UV-C disinfection and UV-C Air cleaning

UV-C Radiator Information

2x4



55W HO T8 Radiator

2x2



95W HO PL-L Radiator