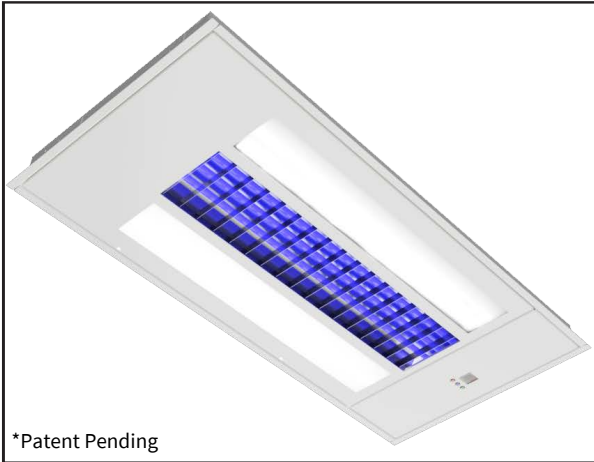




HYDRA™ DIRECT

Surface UV-C Disinfection



DESCRIPTION

UV-C surface disinfection and ambient LED lighting in one fixture, the Hydra™ Direct is the ideal disinfection solution for any space. Customizable to fit the needs of any application, the Hydra™ Direct has versatile user definable options. The Hydra™ retrofits seamlessly into your existing or new system. 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 pending. All Nemesis™ units are built and registered in our EPA™ registered facility #99690. 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.



EPA Facility #99690-TX-1 EPA Region: 06



Intertek



ORDERING INFORMATION

Example: NHD-24-RG-35-HL-MW-SA-120-RGBW

SERIES		SIZE		MOUNTING		CCT		OUTPUT ²		FINISH		LENS ³		VOLTAGE	
NHD	Nemesis™ Hydra™ Direct	22	2x2	RG	Grid	30	3000K	SL	Standard Low	MW	Matte White	SA	Satin Lens	120	120V
		24	2x4	RF	Flanged	35	3500K	ML	Medium Low	SP	Special Paint	PM	.125 Prismatic Acrylic	277	277V
				SM	Surface	40	4000K	HL	High Low						
				PM	Pendant	50	5000K	SM	Standard Medium						
								MM	Medium Medium						

OPTIONS	
DMXA	DMX/ArtNet Control
RGBW	RGBW with Wall Control
RJ45	RJ45 Connection

NOTES:

² For custom lumen outputs, add desired lumens to end of part number.

² 2X2 is only available up to 6000 lumens.

AMBIENT LIGHT LUMEN PACKAGES

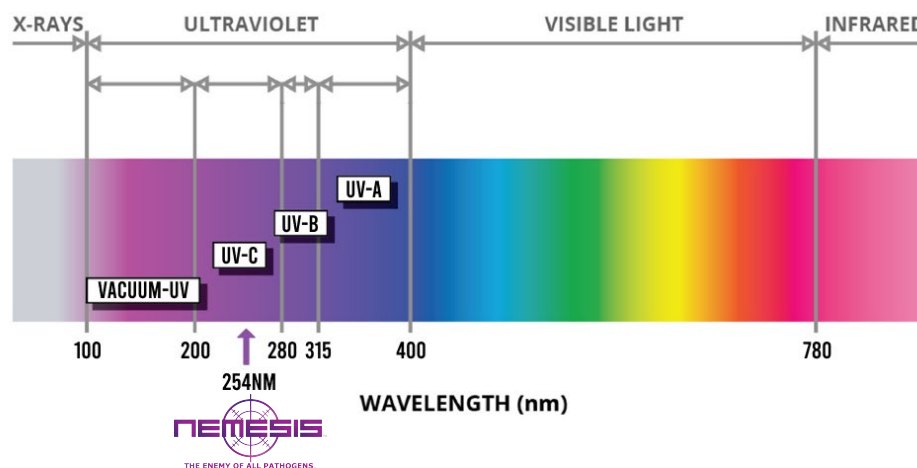
For custom lumen output, add desired lumens to end of part number.
 Example: UHY24-G-A-40-HL-MW-S-M-9000 for 9000 lumens

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

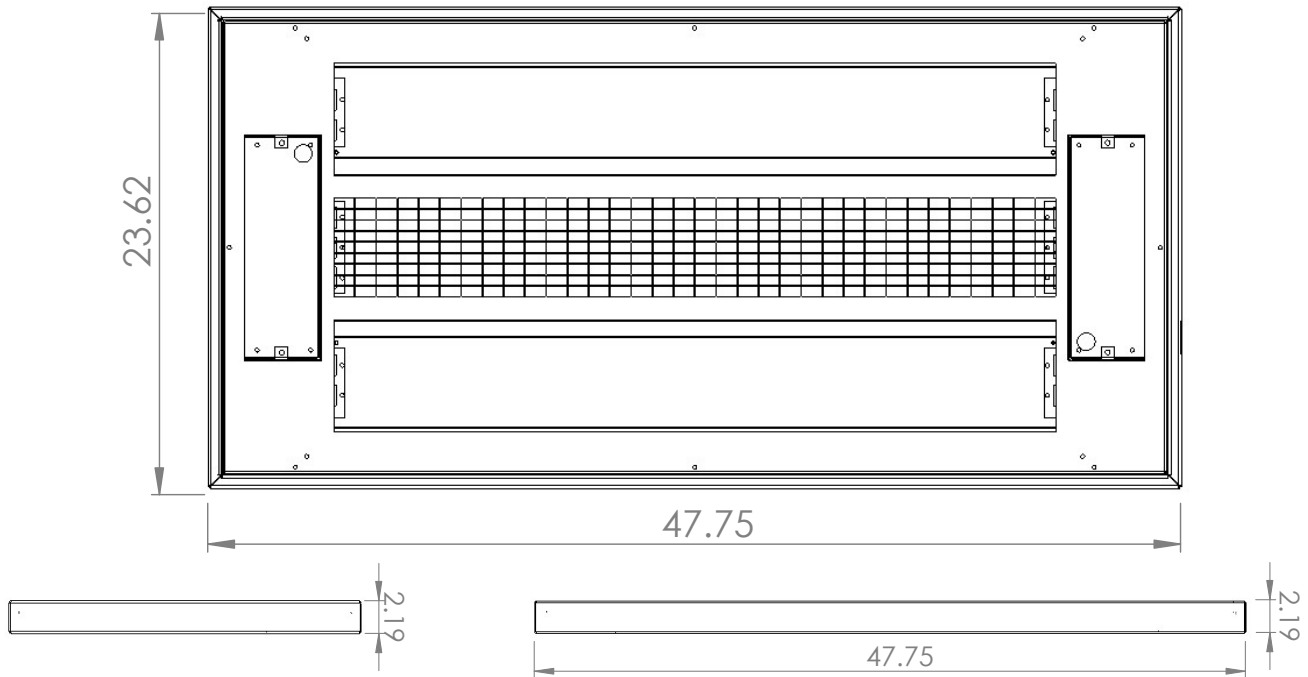
* Delivered Lumens shown were tested with 4000K LEDs with a Satin lens.

UV-C DISINFECTION INFORMATION

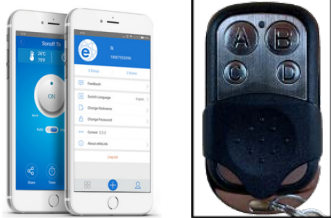
- UV-C has been a proven disinfectant for over 100 years, and has been used extensively for the past 40 years in various applications
- UV-C light has the ability to inactivate pathogens (both viruses and bacteria) by impacting the cellular RNA and DNA, damaging nucleic acids, and preventing microorganisms from infecting and reproducing.
- UV-C light is invisible to the human eye, though 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 inactive pathogens
- Disinfection effectiveness is determined by exposure time and exposure dosage
- UV-C has been proven to be an extremely effective air and surface disinfectant
- UV-C disinfects and inactivates bacteria and viruses fast
- UV-C light can potentially pose a safety/health hazard to the skin and eyes. The Nemesis™ Hydra™ series is built with safeguards to ensure the room is unoccupied while direct UV-C lamps are on



DIMENSIONS



RF AND APP CONTROL



- Available with RF and Wi-Fi capabilities for ease of use.
- Scheduling and other timing options are available in the app.
- RF keyfob allows for quick on/off function of the fixture.

UV-C Radiator Information

2x4



2x2



95W HO PL-L Radiator