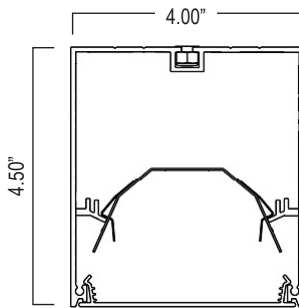
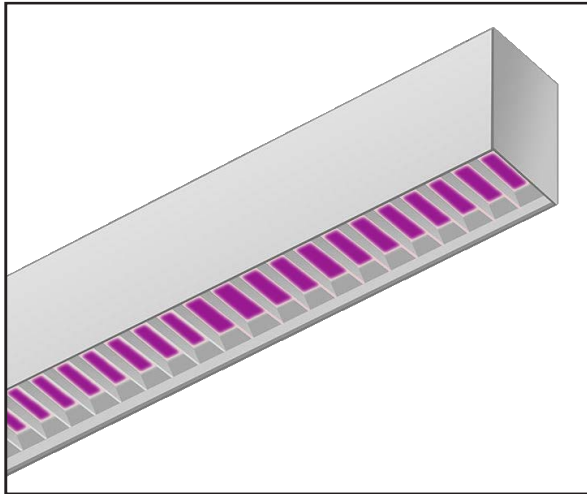


# UDLRS

UV-C 254nm Recessed  
Disinfection Louvered Luminaire



## SPECIFICATIONS

### DESCRIPTION

The UDLRS is a recessed germicidal linear louvered luminaire designed and engineered to safely disinfect. Safeguards prevent UV-C output when the room is occupied. Utilizing the latest in powerful germicidal UV technology, the UDL series disinfects fast. Designed to lay into standard t-grid ceilings, with recessed flanged and flangeless trim mounting options available.

### AESTHETIC LOUVERS

Classically styled louvers help to hide the look of the lamps, while allowing optimal UV-C output through the fixtures.

### UV-C RADIATORS

55W HO germicidal radiators emit 55 watts each of powerful 254nm UV-C output through a quartz enclosure, with a useful life of 9000 hours.

### CONSTRUCTION

Constructed of a 4" wide heavy gauge steel body. Available in 4' and 8' standalone fixtures, as well as continuous runs in 4' increments. Housing standard in a white polyester polymer finish, custom colors are available.

### REFLECTOR

Reflectors are manufactured of electro polished aluminum that are specifically engineered to maximize the reflectance of UV light.

### SAFEGUARDS

Occupancy sensor detects motion within disinfection range for immediate shutoff. ADA Compliant audible/visual alerts when the fixture is on.

### WARNINGS

**DANGER:** Risk Group 3 UV product. Sources emit high-power UV radiation that can cause severe injury to skin and eyes. Avoid eye and skin exposure to unshielded product. Use only in spaces without occupants. The device is not approved and/or certified as a medical device by the FDA or any other regulatory body. As such, the device is not intended for and cannot be used to disinfect the surfaces of medical devices or for any medical purposes.

### WARRANTY

5 - Year Limited Warranty on housing and electronics. Complete warranty and terms located at: [www.aelnow.com/warranty](http://www.aelnow.com/warranty)

## ORDERING INFORMATION

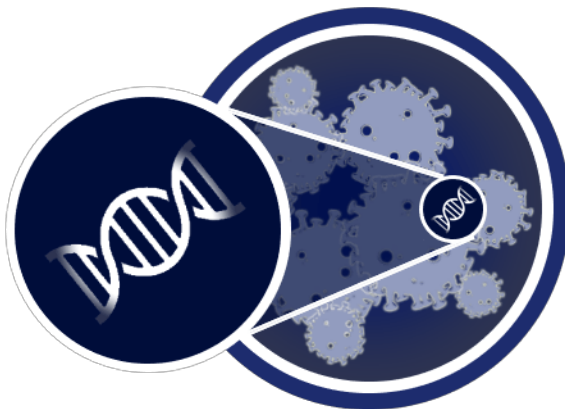
Example: UDLRS-L-W-4-120-OCA

Series	Mounting	Finish	Row Length	Voltage	Safeguard	Wiring Harness						
UDLRS	L	Lay-in Grid	W	White	4	4 Feet	120	120V	OCA	Occupancy Sensor + Audible & Visual Alerts	WH34	3-Wire 4 Feet
	F	Flanged	SP	Special	8	8 Feet	277	277V			WH44	4-Wire 4 Feet
	FT	Flangeless Trim			XX	XX Feet					WH54	5-Wire 4 Feet
											WH38	3-Wire 8 Feet
											WH48	4-Wire 8 Feet
											WH58	5-Wire 8 Feet

### 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 radiators contain a fluorescent phosphorous additive that illuminates visible light to ensure you know that the radiator is functional
- 254nm UV-C has been proven to be the optimal wavelength to inactivate 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 Advantage UV-C series is built with safeguards to ensure the room is unoccupied while direct UV-C radiators

#### How does UV-C destroy microorganisms?



Short-wavelength ultraviolet irradiation kills or inactivates microorganisms by destroying nucleic acids and disrupting their DNA. This leaves the microorganisms unable to perform vital cellular functions, such as infecting and reproducing. The effectiveness of UV-C disinfection depends on the intensity of the radiation, as well as the length of time a microorganism is exposed to the short-wavelength irradiation.

### ELECTROMAGNETIC SPECTRUM

