

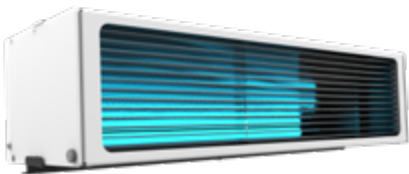


Germicidal UV luminaires and solutions

We are living in unprecedented times. In the face of a global pandemic, Alkco germicidal UV luminaires utilize Signify UV-C technology to offer a layer of disinfection against bacteria, viruses, and fungal spores. Air disinfection can play an important role in a broad range of applications including education institutions (schools), offices, hospitality (restaurants/hotels), retail and other public spaces.

Alkco Germicidal UV

UWL Louvered Wall Mount Luminaire



**1 lamp T5
Philips TUV**
UWL120-UNV-1/1-EB
(black optional)

Germicidal UV Louvered Wall Mount

- Available 22" white polyester powder coated housing
- 1 lamp 20W T5 Philips TUV (lamps shipped separately)
- Specular aluminum reflector
- Wall mounting plate provided
- Mounting height of 8'3" to bottom of fixture
- **Applications:** Offices, Education, Retail

Louvered Wall Mount

General Design Guidelines*

- Minimum 8' 3" mounting height to bottom of fixture
- Minimum spacing between fixtures is 8'
- Recommended to not have obstructions or walls less than 20' in front of fixture
- Minimum distance from the ceiling to the top of the fixture 9"
- Estimate of minimum 325sqft area of disinfection per fixture

* For specific application design support, please contact Signify directly. Above estimates are based on a UV-C radiation ceiling reflectance of 15% and 8 hour maximum exposure time. If ceiling reflectance is above 15%, please contact Signify for application design support. A list of common ceiling finish reflectances can be found in the Appendix section of the Commission Guidelines.

Contaminant Removal Efficiency**

Room Size Examples	Dimensions (WxL)	Min Ceiling Height	Fixture Qty	Log1: 90%	Log2: 99%	Log3: 99.9%
Hallway***	4'x43'	9'	1	31 min	61 min	92 min
Medium Room	24'x28'	9' 6"	2	21 min	41 min	62 min
Large Room	30'x57'	9' 6"	4	28 min	56 min	83 min

** Adapted from CDC (1994). Guidelines for preventing the transmission of Mycobacterium tuberculosis in health care facilities.

*** 2 hour maximum exposure time in Hallway example (other room examples are for 8 hour maximum exposure time).



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