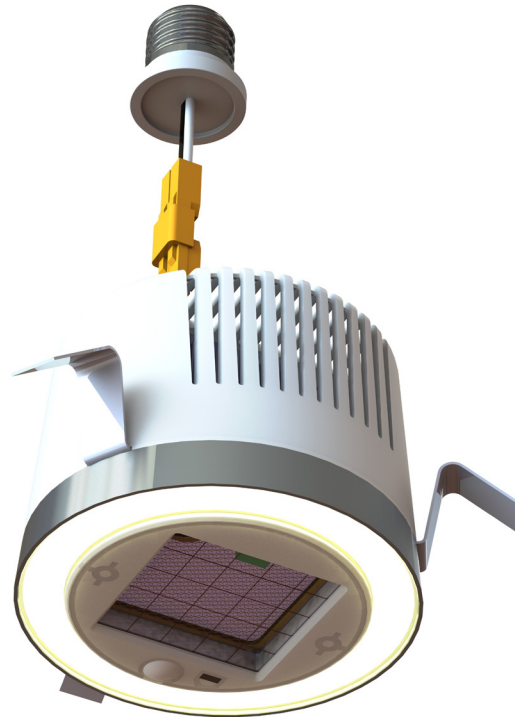


CLEANSE[®] DOWNLIGHT

CLDL | FAR-UVC | SANITIZATION | 6 IN RETROFIT



FEATURES

- Far-UVC technology effectively penetrates and inactivates air and surface microbes and is safe for human exposure
- Chemical-free process continuously improves air quality
- Select from three sanitization modes that work with an integral PIR motion sensor, including Far-UVC on for 30 minutes every hour, or Far-UVC only on in unoccupied spaces
- Integrated general illumination features a boost at 435nm to help activate the antimicrobial properties of TiO₂ surface coatings and cleaners
- Retrofit any 6 in conventional recessed can fixture to a sanitization downlight
- Made in USA and Trade Agreement Act (TAA) compliant, it is a qualified solution for government projects. Certificates of origin are available upon request

SPECIFICATIONS *All data shown is nominal*

| UV SANITIZATION SOURCE | |
|---------------------------|---|
| Wavelength | 222 nm |
| Type | FAR-UVC Emitter |
| Quantity | One (1) |
| Service Life | >3000 Hours |
| ILLUMINATION SOURCE | |
| LED | Standard White LEDs with a peak at 435 nm to activate antimicrobial properties of TiO ₂ coatings and cleaners |
| CCT | 4000K and 3000K |
| Lumen Output | 600 Lm |
| CRI | >90 |
| R9 | >50 |
| Color Chromaticity | SDCM ≤ 5 |
| LED Lifetime to L80 | > 69,000 Hours |
| OPTICAL | |
| Lens | Acrylic |
| ELECTRICAL | |
| Input Voltage | 120–277 V |
| Frequency | 50/60 Hz |
| Power Consumption | 20W Total (10W UVC, 10W Visible Light) |
| Efficacy | 60Lm/W (Visible Light Only) |
| Dimmable | Preset light levels selectable via IR remote* (100%, 75%, 50%, and 25%) |
| Power Factor | ≥ 0.9 |
| THD | < 20% |
| Control Protocol | Integral PIR motion sensor and IR remote* for initial operation mode selection |
| Mode of Operations | 3 Sanitization Modes selectable using IR remote* (See Modes of Operation section for details) Mode A: Unique Scenarios Mode B: Far-UVC ON limited time when motion detected Mode C: Far-UVC OFF when motion detected |
| MECHANICAL | |
| Housing | Polycarbonate Housing with Aluminum Trim |
| Finish | Matte White |
| Dimensions | 4.05 x 3.05 in (Dia x H) |
| Weight | 1lb |
| Interior Dimensions | - 20C / + 40C (tCase) |
| Mounting | Retrofit for 6 in recessed can with medium E26 base ** |
| CERTIFICATIONS & WARRANTY | |
| Regulatory | In Process |
| Warranty | 6 Month Limited |



* IR remote required and sold separately. (1) remote can control an unlimited number of Downlights and recommend minimum one per job/order. See Accessories Ordering for details.
** May not be compatible with recessed cans using parabolic reflectors. Please check and confirm with existing fixture before proceeding.

ORDERING

EXAMPLE: CLDL 6 FUV 40 MVO WH

| Model | Size | Sanitization | CCT | Voltage | Color |
|-------------------------------|---------------|--------------------|------------------------------------|----------------------|-----------------|
| CLDL Cleanse Downlight | 6 6 in | FUV Far-UVC | 30 3000K 40 4000K | MVO 120–277 V | WH White |

ACCESSORIES ORDERING

| Part Number | Description |
|-------------|--|
| ACC-09001 | Cleanse Downlight IR Remote—Remote required and sold separately. (1) remote can control an unlimited number of Downlights and recommended minimum one per job/order. |

MODES OF OPERATION

| Mode | Options | Sanitization Operations* | Illumination Operations |
|---|---------|---|---------------------------------------|
| Mode A Unique Scenarios | 1 | On for cumulative 42 min/hr | On |
| | 2 | Motion Detected: Off No Motion: On for cumulative 60 min of 86 min total | On |
| | 3 | On for cumulative 42 min/hr | Off |
| | 4 | Motion Detected: Off No Motion: On for cumulative 60 min of 86 min total | Off |
| Mode B Far-UVC ON limited time when motion detected | 1 | Motion Detected: On for cumulative 30 min/hr No Motion: On for cumulative 60 min of 86 min total | Motion Detected: On No Motion: Off |
| | 2 | Motion Detected: On for cumulative 12 min/hr No Motion: On for cumulative 60 min of 86 min total | |
| | 3 | Motion Detected: On for cumulative 18 min/hr No Motion: On for cumulative 60 min of 86 min total | |
| | 4 | Motion Detected: On for cumulative 24 min/hr No Motion: On for cumulative 60 min of 86 min total | |
| Mode C Far-UVC OFF when motion detected | 1 | | Motion Detected: On No Motion: Off |
| | 2 | Motion Detected: Off | |
| | 3 | No Motion: On for cumulative 60 min of 86 min total | |
| | 4 | | |

* When ON, the Far-UVC will cycle ON/OFF. Time denotes cumulative total ON time of total lapsed time.

DIMENSIONS

