

|               |              |       |
|---------------|--------------|-------|
| Project Name: | Part Number: | Type: |
|---------------|--------------|-------|

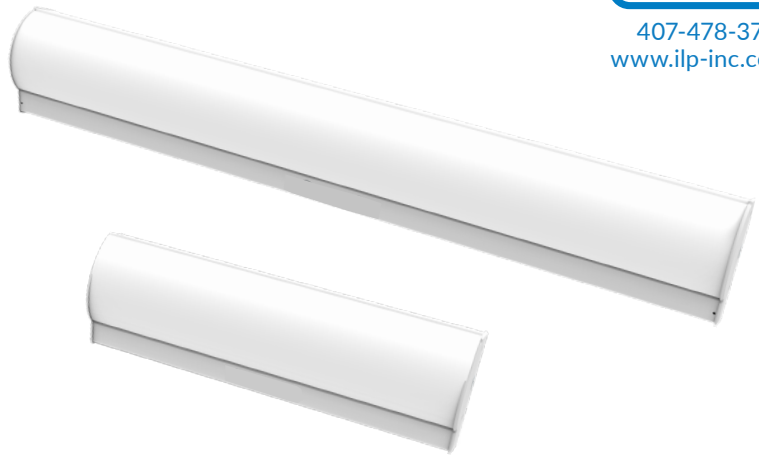
# CAVERN

## STAIRWELL



### FEATURES

- 2ft & 4ft Length Stairwell Fixture
- 7.5" Width to Cover Existing Footprints (No Painting)
- Wall or Ceiling Mount
- Two Housing Options:
  - Cavern (CV)
    - .060" Aluminum Body, Cast Aluminum End Plates, Post Paint Finish and Tamper Resistant Screw Option
  - Cavern Lite (CVL)
    - .040" Aluminum Body, Baked on Pre-Paint Enamel
- White Standard Finish with Optional Custom Colors
- Impact Resistant Extruded Frosted Acrylic Lens
- High Efficacy - Up to 157 lm/W
- 3000K-5000K CCTs
- >80 Color Rendering Index (CRI)
- Calculated L70 >100,000 hrs
- 0-10V Dimmable Driver (100%-10%)
- 120-277V Universal Voltage
- ADA Compliant Luminaire
- 5 Year Warranty
- ETL Listed for Damp & Dry Location
- DesignLights Consortium Premium Qualified Luminaire
- Build America Buy America (BABA) Compliant



### SUITABLE APPLICATIONS

- Education
- Healthcare
- Commercial Office
- Multifamily
- Hotel & Resort
- Storage Facility
- Retail

### ORDERING GUIDE:

| SERIES               | LUMENS | DRIVER     | CCT | LENS                        | FINISH                                       | COMPLIANCE                          |
|----------------------|--------|------------|-----|-----------------------------|--|-------------------------------------|
| CV2 Cavern 2ft       | 2L     | U 120-277V | 50  | FRAL Frosted Acrylic (std.) | WHP White Paint (std.)                       | BABA                                |
| CVL2 Cavern Lite 2ft | 3L     |            | 40  |                             | CPx <sup>2</sup> Custom Paint (x=spec color) | Build America Buy America Compliant |
|                      |        |            | 35  |                             |  |                                     |
| CV4 Cavern 4ft       | 3L     |            | 30  |                             |  |                                     |
| CVL4 Cavern Lite 4ft | 4L     |            |     |                             |  |                                     |
|                      | 5L     |            |     |                             |  |                                     |
|                      | 6L     |            |     |                             |  |                                     |

| OPTIONS                |  |
|------------------------|--|
| Factory Installed      |  |
| TPS <sup>1</sup>       | Tamper Proof Screws  |
| MC6/3W                 | 6FT MC Cable w/ 3 leads to power—non-dimming function                              |
| MC6/4W                 | 6FT MC Cable w/ 3 leads to power and 1 lead to battery backup—non-dimming function |
| MC6/5W                 | 6FT MC Cable w/ 3 leads to power and 2 leads to dimming                            |
| MC6/6W                 | 6FT MC Cable w/ 3 leads to power, 2 leads to dimming & 1 lead to battery backup    |
| EM10/BABA <sup>3</sup> | Factory Installed 10W LED Battery Backup - BABA Compliant - CEC Title 20 Compliant |

<sup>1</sup> Available on Cavern (CV) version only

<sup>2</sup> Contact factory for available options

<sup>3</sup> Operation down to 32°F

# CAVERN

## STAIRWELL

| LED SYSTEMS INFO <sup>1</sup>  | 3000K    |          | 3500K    |          | 4000K    |          | 5000K    |          | Watts <sup>2</sup> | CRI | Ambient Temp Range | DLC     | Replaces |
|--|----------|----------|----------|----------|----------|----------|----------|----------|--------------------|-----|--------------------|---------|----------|
| Part Numbers   | Lumens   | Efficacy | Lumens   | Efficacy | Lumens   | Efficacy | Lumens   | Efficacy |                    |     |                    |         |          |
| CV(L)2-2L-U-XX-FRAL  | 2,121 lm | 135 lm/W | 2,199 lm | 140 lm/W | 2,327 lm | 145 lm/W | 2,377 lm | 148 lm/W | 16W                | >80 | -4°F–125°F         | Premium | 1T8      |
| CV(L)2-3L-U-XX-FRAL  | 3,050 lm | 141 lm/W | 3,103 lm | 143 lm/W | 3,233 lm | 150 lm/W | 3,246 lm | 150 lm/W | 22W                |     |                    |         | 2T8      |
| CV(L)4-3L-U-XX-FRAL  | 3,182 lm | 145 lm/W | 3,237 lm | 147 lm/W | 3,373 lm | 154 lm/W | 3,445 lm | 157 lm/W | 22W                |     |                    |         | 1T8      |
| CV(L)4-4L-U-XX-FRAL  | 3,876 lm | 142 lm/W | 3,943 lm | 145 lm/W | 4,109 lm | 151 lm/W | 4,197 lm | 154 lm/W | 27W                |     |                    |         | 2T8      |
| CV(L)4-5L-U-XX-FRAL  | 4,965 lm | 137 lm/W | 5,051 lm | 139 lm/W | 5,263 lm | 145 lm/W | 5,375 lm | 148 lm/W | 36W                |     |                    |         | 3T8      |
| CV(L)4-6L-U-XX-FRAL  | 5,365 lm | 124 lm/W | 5,452 lm | 128 lm/W | 5,661 lm | 133 lm/W | 6,079 lm | 143 lm/W | 43W                |     |                    |         | 2T5      |
| <sup>1</sup> Values are nominal, see IES file for more detail<br><sup>2</sup> Electrical data at 25C (77F). Actual wattage may differ by +/-10%. |          |          |          |          |          |          |          |          |                    |     |                    |         |          |

## SPECIFICATIONS

### CONSTRUCTION

Stairwell fixture designed for rigidity, durability, ease of installation while achieving maximum performance and improved aesthetics. 7.5" width construction luminaire for robust design. Cavern (CV) is designed with .060" aluminum body, decorative and vandal resistant .200" 6061 machined aluminum end caps, .500" threaded end plugs and baked on enamel powdercoat finish. Cavern Lite (CVL) is designed with .040" full aluminum body, end knockouts, and baked on pre-painted enamel finish. Tamper proof screw option available on Cavern (CV). Available in white (std.) with custom finishes available.

### ELECTRICAL

Class 2 LED light engine for high efficacy and long life. Calculated L70 > 100,000hrs. LED Lumen Maintenance Estimates based on TM-21 projections for the light source at 25C ambient. Power Factor > 0.90. Standard 120-277 Vac 0-10V dimmable (10% - 100%). Optional battery backups and generator transfer device available to meet critical life safety lighting requirements.

### INSTALLATION

Designed for a variety of stairwell solutions including ceiling and wall mounting. Knockouts located on back and each side of fixture for electrical access. Threaded end cap HUBs standard on Cavern (CV). Tamper proof screw option available on Cavern (CV).

### OPTICS

High transmission extruded impact resistant PMMA frosted acrylic lens for durability and LED glare reduction. Vandal resistant lens design on Cavern (CV) only servicable when removing end cap. Toolless field removeable lens design on Cavern Lite (CVL) for easy access to driver channel for installation and maintenance.

### CERTIFICATIONS

ETL Listed to US and Canadian safety standards. Suitable for damp locations. American Recovery and Reinvestment Act Funding Compliant. BAA and BABA Compliant. ADA Compliant Luminaire. Title 24 Compliant with sensor option; see local ordinance for qualification information. DLC Premium Listed Product, Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

### WARRANTY

5 Year Warranty (Terms and Conditions apply)

## TWO HOUSING SPECIFICATIONS



### CAVERN (CV)

- .060" Aluminum Body
- Cast Aluminum End Plates
- Post Paint Finish
- Tamper Resistant Design
- Ideal for front of house stairwells



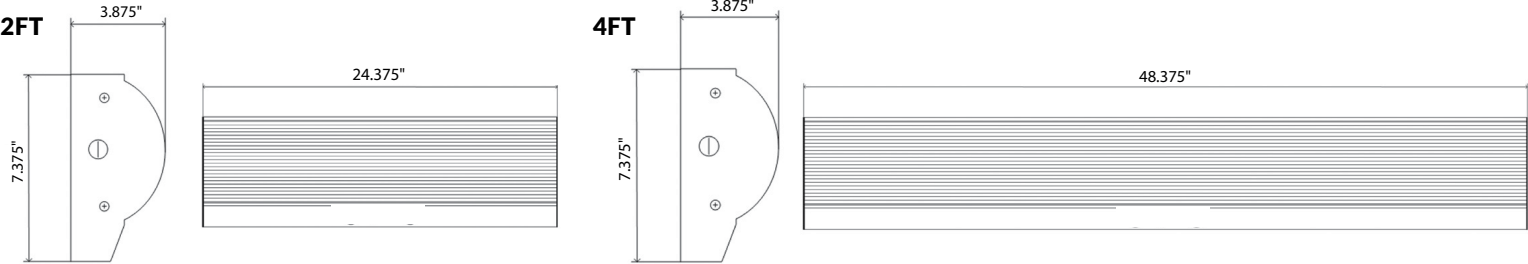
### CAVERN LITE (CVL)

- .040" Aluminum Body
- Baked on Pre-Paint Enamel
- Economical solution without loss of performance
- Ideal for back of house stairwells

# CAVERN

## STAIRWELL

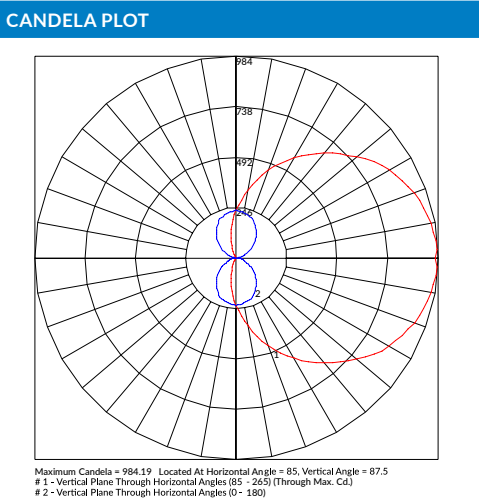
### LINE DRAWINGS



### PHOTOMETRIC DATA

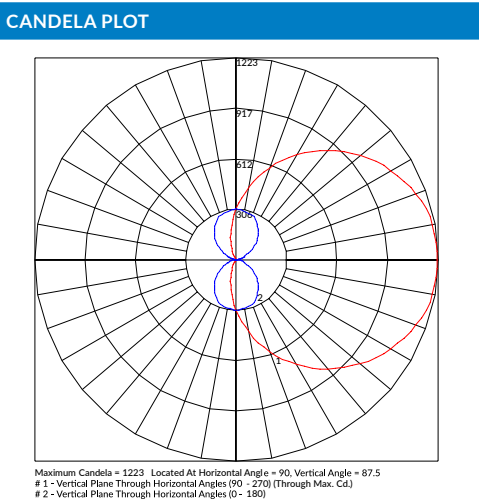
| LUMINAIRE DATA      |  |
|---------------------|--|
| Part Number         | CV2-3L-U-40-FRAL                                 |
| Description         | Cavern Stairwell, 3,000 lm, frosted acrylic lens |
| Fixture Lumens (lm) | 3,233 lm   |
| Wattage (W)         | 22 W   |
| Efficacy (lm/W)     | 150 lm/W   |
| Mounting            | Recessed   |
| Spacing Criteria    | 0° = 1.18, 90° = 1.32                            |

| ZONAL LUMEN SUMMARY |             |           |
|---------------------|-------------|-----------|
| Zone                | Lumens (lm) | % Fixture |
| 0° - 40°            | 348         | 11%       |
| 0° - 60°            | 772         | 24%       |
| 0° - 90°            | 1,617       | 50%       |
| 90° - 180°          | 1,617       | 50%       |
| 0° - 180°           | 3,234       | 100%      |



| LUMINAIRE DATA      |  |
|---------------------|--|
| Part Number         | CV4-4L-U-40-FRAL                                 |
| Description         | Cavern Stairwell, 4,000 lm, frosted acrylic lens |
| Fixture Lumens (lm) | 4,109 lm   |
| Wattage (W)         | 27 W   |
| Efficacy (lm/W)     | 151 lm/W   |
| Mounting            | Recessed   |
| Spacing Criteria    | 0° = 1.19, 90° = 1.33                            |

| ZONAL LUMEN SUMMARY |             |           |
|---------------------|-------------|-----------|
| Zone                | Lumens (lm) | % Fixture |
| 0° - 40°            | 460         | 11%       |
| 0° - 60°            | 1,004       | 24%       |
| 0° - 90°            | 2,055       | 50%       |
| 90° - 180°          | 2,055       | 50%       |
| 0° - 180°           | 4,110       | 100%      |



| LUMINAIRE DATA      |  |
|---------------------|--|
| Part Number         | CV4-6L-U-40-FRAL                                 |
| Description         | Cavern Stairwell, 6,000 lm, frosted acrylic lens |
| Fixture Lumens (lm) | 5,952 lm   |
| Wattage (W)         | 42 W   |
| Efficacy (lm/W)     | 144 lm/W   |
| Mounting            | Recessed   |
| Spacing Criteria    | 0° = 1.2, 90° = 1.33                             |

| ZONAL LUMEN SUMMARY |             |           |
|---------------------|-------------|-----------|
| Zone                | Lumens (lm) | % Fixture |
| 0° - 40°            | 664         | 11%       |
| 0° - 60°            | 1,453       | 24%       |
| 0° - 90°            | 2,977       | 50%       |
| 90° - 180°          | 2,977       | 50%       |
| 0° - 180°           | 5,954       | 100%      |

