

CAVERN

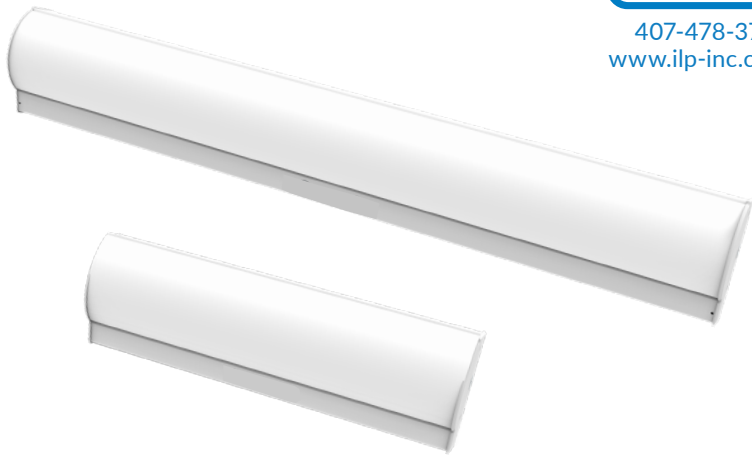
STAIRWELL



407-478-3759
www.ilp-inc.com

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 ² 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

TPS¹	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

¹Available on Cavern (CV) version only
²Contact factory for available options

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LED SYSTEMS INFO ¹	3000K		3500K		4000K		5000K		Watts ²	CRI	Ambient Temp Range	DLC	Replaces
	Part Numbers	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens					
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

¹Values are nominal, see IES file for more detail
²Electrical 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 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

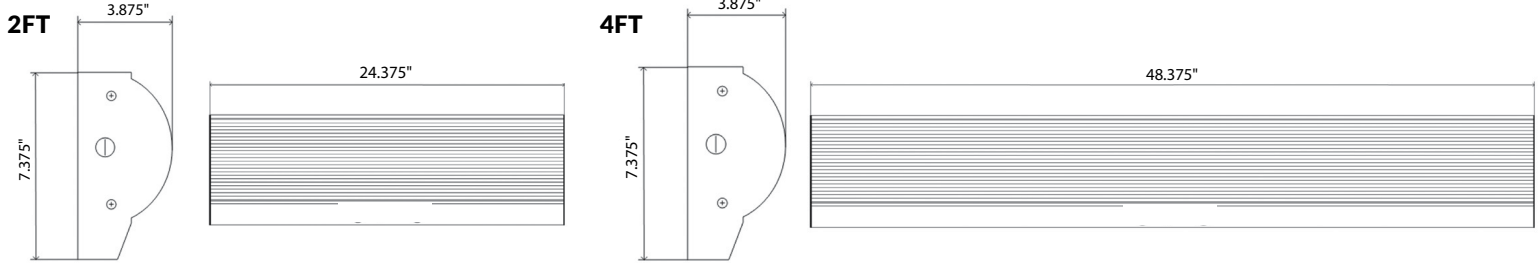
CAVERN LITE (CVL)

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

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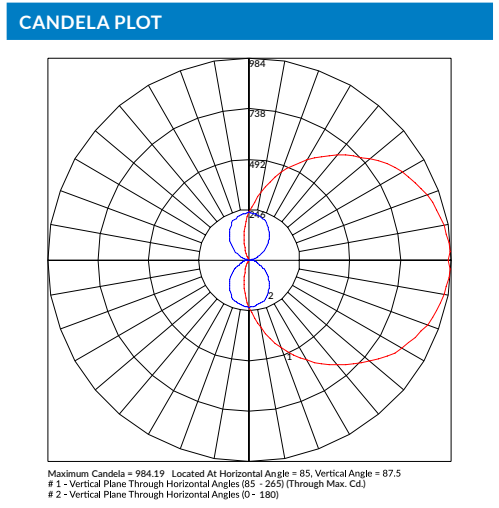
LINE DRAWINGS



PHOTOMETRIC DATA

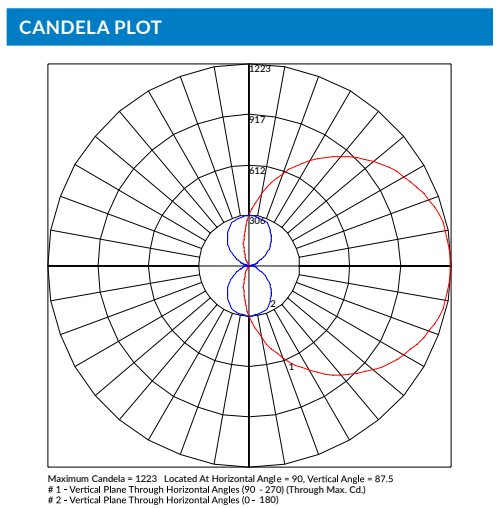
LUMINAIRE DATA	
Part Number	CV2-3L-U-40-FRAL
Description	Cavern Stairwell, 3,000 lm, frosted acrylic lens
Fixture Lumens (lm)	3,233 lm
Wattage (W)	22 W
Efficacy (lm/W)	150 lm/W
Mounting	Recessed
Spacing Criteria	0° = 1.18, 90° = 1.32

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%

