Project Name:	Part Number:	Type:

CAVERN CV 2FT & 4FT

ULTRASONIC STAIRWELL

ILP

FEATURES

- 2ft and 4ft LED Stairwell Fixture
- Ultrasonic sensor provides for maximum sensing range
- Fully control light levels for both occupied and nnoccupied areas with high/low user selectable bi-level dimming (USBD/HL) option to help maintain life safety codes
- Frosted Impact Resistant Acrylic Lens (std.)
- 120-277V Universal Voltage
- 0-10V Dimmable Driver
- 5 Year Warranty
- ETL Damp Listed
- DesignLights Consortium® Premium Qualified Luminaire

Cavern Housing
- .060" aluminum body
- .200" 6061 machined aluminum end plates
- .500" threaded end plug
- Baked on enamel powdercoat finish

Cavern Lite Housing
- .040" aluminum body
- Baked on pre-painted enamel

Cavern shown with USBD option

Cavern Lite shown with USBD option

DISTINGUSHING OPTIONS

User selectable high/low bi-level dimming with occupancy sensor (USBD/HL)

LED SYSTEMS INFO		20 W	30 W		30 W	40 W
Calculated L_{70} (TM-21)	2FT	>100K	>100K	4FT	>100K	>100K
Delivered Lumens		2,303 lm	3,349 lm		3,696 lm	4,767 lm
Total Input Watts		20 W	30 W		30 W	40 W
Luminaire Efficacy Rating (LER)		113 lm/W	112 lm/W		125 lm/W	119 lm/W
Correlated Color Temperature (CCT)		5000K	5000K		5000K	5000K
Color Rendering Index (CRI)		>80	>80		>80	>80
Max Ambient Temperature		130˚F	130˚F		130˚F	130˚F

LED System data above based on CV2-20WLED-UNIV-50, CV2-30WLED-UNIV-50, CV4-30WLED-UNIV-50, & CV4-40WLED-UNIV-50.
LED Lumen Maintenance Estimates based on TM-21 projections for the light source at 25˚C ambient.

ORDERING GUIDE:

Series	Watts	Driver	Color	Options	
CV2 Cavern 2ft	**20WLED**	**UNIV** 120-277V Driver	**50**	**FRAL**	Frosted Acrylic Lens
CVL2 Cavern Lite 2ft	**30WLED**		**40**	**WHP**	White Paint (std.)
			35	**BRP**	Bronze Paint
CV4 Cavern 4ft	**30WLED**		**30**	**CPx**	Custom Paint (x = spec color)
CVL4 Cavern Lite 4ft	**40WLED**			**CORDx**	Cord (x=ft)
				PLUGx	Plug (x= Type, eg. L715P)
				SR	Sensor Ready Driver
				VDO[1]	Lutron Vive DFCSJ-OEM-OCC (Daylight & Occupancy)
				VRF[1]	Lutron Vive DFCSJ-OEM-RF (RF Only)
				DIM	DIM leads to Driver
				FIOS	On/Off Occupancy Sensor Installed
				FIOS/US	On/Off UltrasonicOccupancy Sensor
				BDxx[2]	Preset Bi-Level Dim Sensor (xx=%)
				USBD[2]	User Select Bi-Level Dim w/ Occ. Sensor
				USBD/HL[2]	User Select High/Low Bi-Level Dimming w/ Occ Sensor
				TPS	Tamper Proof Screws (Caverns Only)
				ILBCP05	Factory Installed 5W LED Battery Backup
				ILBCP07	Factory Installed 7W LED Battery Backup
				ILBCP10	Factory Installed 10W LED Battery Backup
				ILBCP12	Factory Installed 12W LED Battery Backup
				SD480[3]	480V Step Down Transformer

[1]Must be used with SR Driver
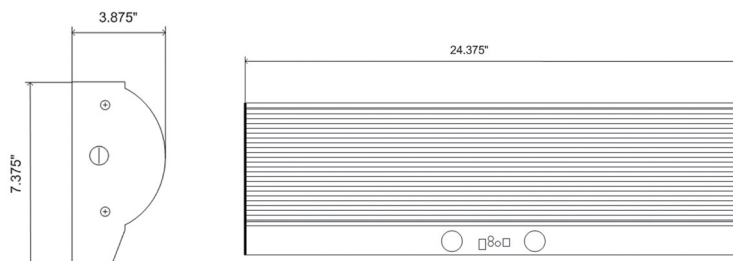[2]DLC listed when used with one of these control options
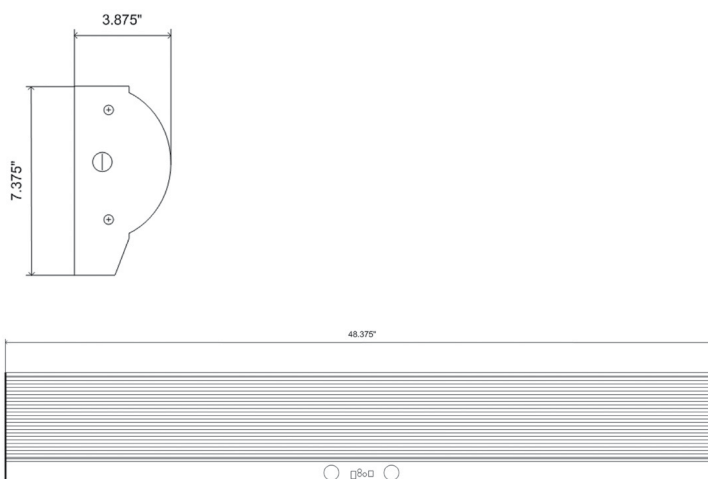[3]Not DLC listed

CAVERN CV 2FT & 4FT

ULTRASONIC STAIRWELL

LINE DRAWINGS

2FT

4FT

OPTIONS

- **USER SELECT BI-LEVEL DIM SENSOR (BDxx)**
  - Factory Set Bi-Level Dimming.
  - Fixtures with this option come with a 0-10V sensor and driver and are set to dim down to the number indicated in "xx" portion of the part number, when in an unoccupied mode.

- **USER SELECT BI-LEVEL DIM SENSOR (USBD)**
  - User Selectable Bi-Level Dimming
  - Fixtures with this option come with a 0-10V sensor and driver along with an extrenal control to allow the end user to manually select how low the fixture will dim when in unoccupied mode.

- **USER SELECT BI-LEVEL DIM SENSOR (USBD/HL)**
  - User Selectable Bi-Level Dimming for both the high side and low side.
  - Allows user to control how far the fixture dims down when the sensor is in unoccupied mode.

(Instructions can be downloaded from the Cavern web page)

CAVERN CV 2FT & 4FT
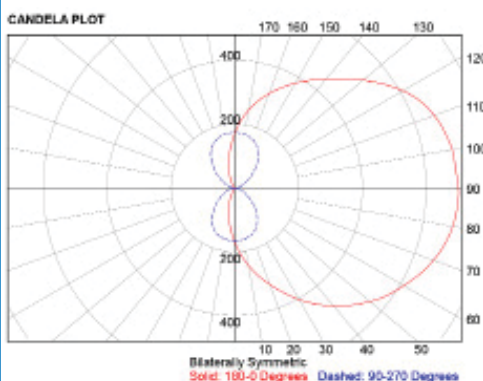
ULTRASONIC STAIRWELL

PHOTOMETRIC REPORTS

Photometric values based upon tests performed in compliance w/ LM-79. Download IES files at www.ilp-inc.com

CVL2-20WLED-UNIV-50-FRAL-USBD

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Downlight):	50.1 %
EFFICIENCY (Uplight):	49.9 %
CIE CLASSIFICATION:	GENERAL DIFUSE
SPACING CRITERION	1.20
LUMENS:	2293.81
INPUT WATTS:	20.38

PLANE AND CONE DIAGRAM

CVL2-30WLED-UNIV-50-FRAL-USBD

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Downlight):	50.3 %
EFFICIENCY (Uplight):	49.7 %
CIE CLASSIFICATION:	GENERAL DIFUSE
SPACING CRITERION	1.21
LUMENS:	3164.3
INPUT WATTS:	29.98

PLANE AND CONE DIAGRAM

CVL4-30WLED-UNIV-50-FRAL-USBD

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Downlight):	50.6 %
EFFICIENCY (Uplight):	49.4 %
CIE CLASSIFICATION:	GENERAL DIFUSE
SPACING CRITERION	1.26
LUMENS:	3612.167
INPUT WATTS:	29.76

PLANE AND CONE DIAGRAM

CVL4-40WLED-UNIV-50-FRAL-USBD

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Downlight):	50.2 %
EFFICIENCY (Uplight):	49.8 %
CIE CLASSIFICATION:	GENERAL DIFUSE
SPACING CRITERION	1.25
LUMENS:	4617.822
INPUT WATTS:	40.15

PLANE AND CONE DIAGRAM