

CAVERN

STAIRWELL



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

FEATURES

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



ORDERING GUIDE:

SERIES		WATTS	DRIVER	CCT	LENS	FINISH	
CV2	Cavern 2ft	20WLED	UNIV 120-277V	50	FRAL Frosted Acrylic Lens	WHP	White Paint
CVL2	Cavern Lite 2ft	30WLED		40		CPx	Custom Paint (x = spec color)
				35			
CV4	Cavern 4ft	30WLED		30			
CVL4	Cavern Lite 4ft	40WLED					

OPTIONS		CONTROLS OPTIONS	
Factory Installed		Basic	
BLD	Bi-Level Dimming Driver (2 hot leads)	FIOS ⁶	On/Off Occupancy Sensor
SR ³	Sensor Ready Driver	BDxx ⁷	Preset Bi-Level Dimming Occupancy Sensor (xx=%)
SD347 ¹	347V Step Down Transformer	USB ⁷	User Selectable Bi-Level Dimming Occupancy Sensor
SD480 ¹	480V Step Down Transformer	USB/HL ⁷	User Selectable High/Low Bi-Level Dimming Occupancy Sensor
CORDx	Cord (x=ft)		
TPS ⁴	Tamper Proof Screws		
		Advanced	
FI/ILBCP05	5W LED Factory Installed Battery Backup	VDO ²	Lutron Vive DFCSJ-OEM-OCC (Daylight & Occupancy)
FI/ILBCP05/HE ⁵	5W LED Factory Installed Battery Backup	VRF ²	Lutron Vive DFCSJ-OEM-RF (RF Only)
FI/ILBCP07	7W LED Factory Installed Battery Backup		
FI/ILBCP07/HE ⁵	7W LED Factory Installed Battery Backup		
FI/ILBCP10	10W LED Factory Installed Battery Backup		
FI/ILBCP10/HE ⁵	10W LED Factory Installed Battery Backup		
FI/ILBCP12	12W LED Factory Installed Battery Backup		

¹ Does not qualify for DLC ⁴ Available on Cavern version only ⁶ Passive Infrared Sensor Technology
² Must be used with SR Driver ⁵ CEC Title 20 Compliant ⁷ Ultrasonic Sensor Technology
³ For use with VDO and VRF Controls options only

CAVERN

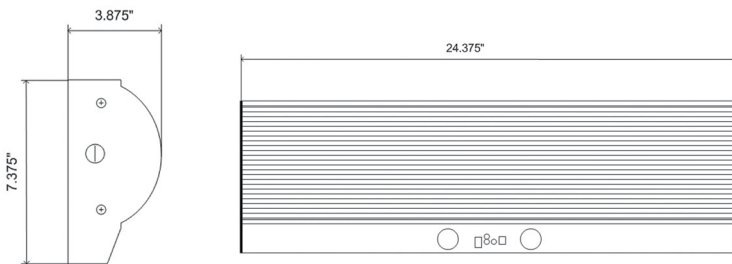
STAIRWELL

LED SYSTEMS INFO ¹	3000K		3500K		4000K		5000K		Watts ²	Max Ambient Temp	Replaces
	Part Numbers	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens			
CV2-20WLED-UNIV-XX-FRAL	2,185 lm	107 lm/W	2,233 lm	109 lm/W	2,276 lm	111 lm/W	2,303 lm	113 lm/W	20W	130°F	2T8
CV2-30WLED-UNIV-XX-FRAL	3,246 lm	109 lm/W	3,293 lm	110 lm/W	3,323 lm	111 lm/W	3,349 lm	112 lm/W	30W	130°F	2T5HO
CV4-30WLED-UNIV-XX-FRAL	3,500 lm	117 lm/W	3,575 lm	120 lm/W	3,651 lm	122 lm/W	3,696 lm	125 lm/W	30W	130°F	2T8
CV4-40WLED-UNIV-XX-FRAL	4,486 lm	112 lm/W	4,569 lm	115 lm/W	4,668 lm	117 lm/W	4,767 lm	119 lm/W	40W	130°F	3T8

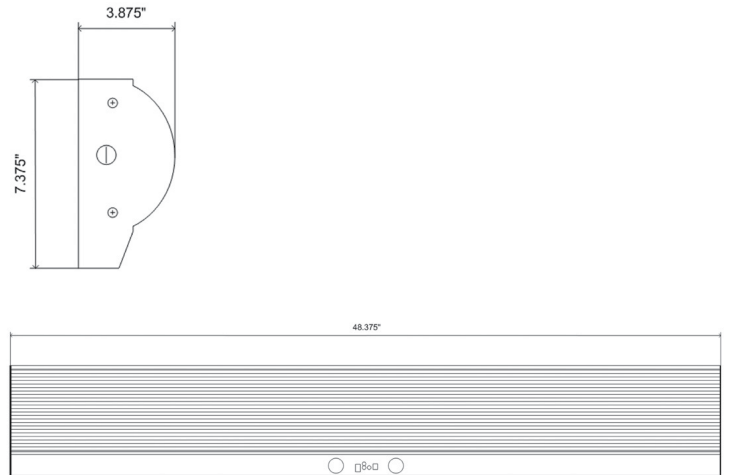
¹Values are nominal, see IES file for more detail
²Electrical data at 25C (77F). Actual wattage may differ by +/-10%.

LINE DRAWINGS

2FT



4FT



CONTROLS 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 external 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 sensor is in unoccupied mode and allows user to select how bright fixture becomes when in occupied mode.

(Instructions can be downloaded from the Cavern web page)

CAVERN

STAIRWELL

PHOTOMETRIC REPORTS

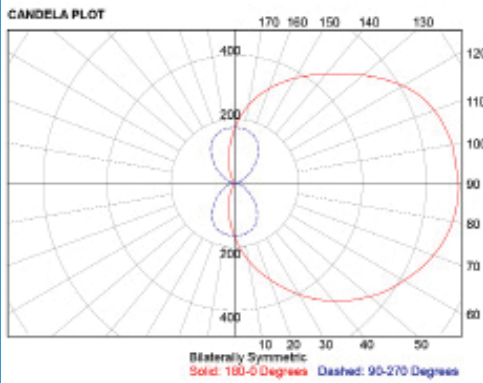
Photometric values based upon tests performed in compliance w/ LM-79. Download IES files at www.ilp-inc.com

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

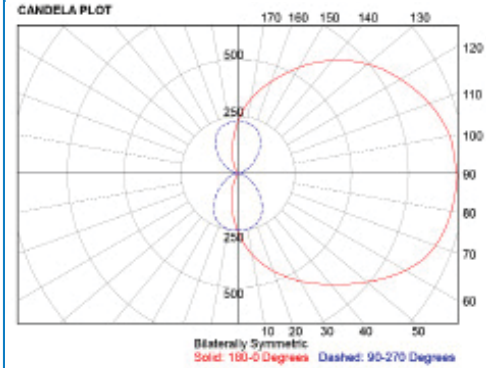


CVL2-30WLED-UNIV-50-FRAL-USBD

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

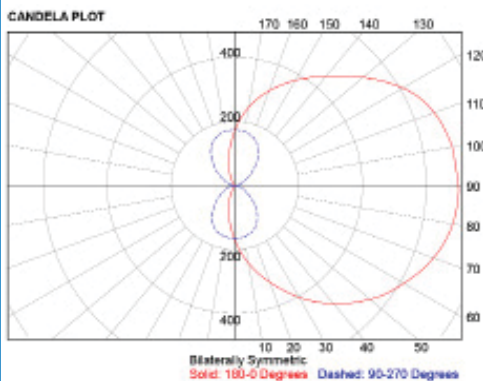


CVL4-30WLED-UNIV-50-FRAL-USBD

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

