

Product Information

Project Name	Type
Catalog Number	Date

SPECIFICATIONS

Features

- Hose down & wet location fixture is IP67 rated (Sensored units are IP65 rated).
- Poured in place gasket & stainless latches seal the enclosure from most hostile environments.
- Frosted diffuser for uniform light distribution without pixilation.
- Very tough diffuser resists breakage and reduces replacement and maintenance costs.
- NSF Rated for Splash Zone, suitable for food production areas.
- LED light engine eliminates risk of glass breakage in food production areas.
- Rounded fixture shape for easy cleaning and prevents dirt and water accumulation.
- Instant re-start with no warm-up times or reduced light output in cold environments.
- Economical mounting options can provide dramatic savings on the installation labor.
- Mounting options for v-hook, cable & ceiling mount systems.
- Choice of five lumen packages and three dimming options available.
- Long-life, 60,000 hour LEDs at L80 (80% lumen maint.) reduces life cycle maintenance costs.
- Up to 110 lumens per watt.
- Color Rendering Index (CRI) > 80.
- Made In USA. Meets ARRA & Buy American requirements.

Construction

- Fiberglass housing & injection molded impact resistant frosted acrylic lens.
- Housing and lens are made with flame retardant 5VA (f1) fire rated materials.
- Certain airborne contaminants can diminish integrity of acrylic. Consult factory for chemical compatibility.
- Durable and chemical resistant stainless steel latches.
- Stainless steel mounting brackets standard.
- Stainless steel v-hangers standard.
- Weight: 20 lbs

Electrical

- Input Voltage Range: 100-277 Vac Nom. (90-305 V Min/Max)
- Frequency: 50/60 Hz Nom. (47-63 Hz Min/Max)
- Active Power Factor Correction
- Power Factor: >0.90 @ full load, 100V through 277V
- Inrush Current: 70 Amps max @ 220 Vac, cold start 25°C
- Harmonic Distortion: THD < 20% @ full load
- Protection: Over-Voltage, Over-Temperature (110°) & Short Circuit with self-recovery
- Compliant to FCC Part 15 requirements for EMI/RFI emissions
- NEC/CEC compliant ballast disconnect is standard
- Standard surge protection: ANSI Std. C62.41-2002 Category A (10 Kv)
- Optional emergency battery pack



Certifications

- CSA Listed to UL 1598 Wet Location standards.
- Luminaires bear appropriate listing labels.
- Emergency-equipped fixtures labeled UL 924.
- Adheres to LM79, LM80 and TM21 industry standards.
- LVT Fixtures are NSF Rated for Splash Zones
- DesignLights Consortium® (DLC) qualified.
- Please refer to the DLC website for specific product qualifications at www.designlights.org.

Application

- Suitable for use with most wired or wireless lighting control systems
- Suitable for wet locations such as:
 - Livestock containment buildings
 - Food processing facilities
 - Commercial kitchens
 - Industrial facilities
 - Under awnings
 - Cold storage
 - Car washes
 - Breweries

Warranty

- Five-year warranty. (Terms and Conditions Apply)

CERTIFICATION



ORDERING INFORMATION

EXAMPLE LVT-2X4-HL-F-UL-40K

MODEL	LUMEN OUTPUT	DRIVER OUTPUT	COLOR TEMP	OCC SENSOR	CORD PLUG ⁵	OTHER
LVT 2X4 LED High-Bay Vaportight	XL Extra Low LW Low ML Medium HL High HHL Extra High (non DLC)	F Fixed DM 0-10v Dimming ¹ BL Bi-Level ²	40K 4000 50K 5000 (non DLC)	WH Wet Location 360° View High-Bay Sensor ³ WL Wet Location 360° View Low-Bay Sensor ³ DH Digital Dimming Sensor, WS ⁴ DB Digital Bi-Level Sensor, HBA	C8 8' Cord, No Plug C8/L715 8' Cord & Plug (L7-15P) C8/515 8' Cord & Plug (515P) PQC15 15' Cord/Quick Connect	VSM Surface Mounting V-Hanger for LVT EB Emergency Battery Backup ⁶ JP Job Pack
SIZE 2x4 2x4 Nominal		DRIVER VOLTAGE UL Universal 120-277 VAC				

FOOTNOTES

- ¹Must be used in conjunction with lighting controls.
- ²Bi-Level driver must be controlled by sensor or A/B switching.
- ³HBA is std. For Wattstopper, specify WH-WS or WL-WS, IP65 rated.
- ⁴Sensor programming module sold separately.
- ⁵Contact factory for more cord & mounting options.
- ⁶Available for XL and ML, contact factory for other lumen outputs.

PHOTOMETRIC DATA

Test: L11133301
Test Date: 11/15/2013

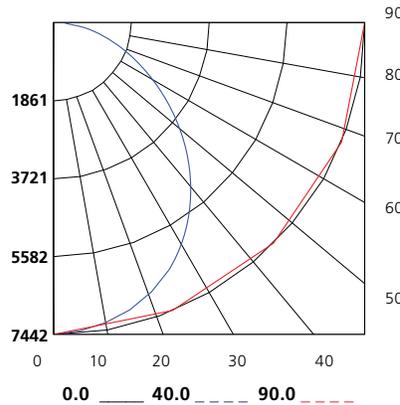
PHOTOMETRIC DATA: LVT-2X4-HL-F-UL-40K

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified lab.

LUMINAIRE DATA

Luminaire	LVT-2X4-HL-F-UL-40K
Ballast	LED 2X4 Hi-Bay Vaportight
	LED75W-054-C1400-M-D
	LLP 150W 0.7A 30-54V
	DRIVER
Ballast Factor	1.00
Lamp	LED
Fixture Lumens	21689
Watts	217
Mounting	Suspended & Ceiling
Shielding Angle	N/A
Spacing Criterion	0° = 1.22 90° = 1.18
Luminous Opening in feet	Length: 4.13
	Width: 1.05
	Height: 0.21

INDOOR CANDELA PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2714	N.A.	13
0-30	5705	N.A.	26
0-40	9172	N.A.	42
0-60	15771	N.A.	73
0-80	19848	N.A.	92
0-90	20652	N.A.	95

AVG. LUMINANCE (Candela/Sq. M.)

	0.0	22.5	45.0	67.5	90.0
0	7442	7442	7442	7442	7442
5	7382	7398	7410	7411	7413
10	7273	7291	7312	7321	7328
15	7090	7114	7147	7149	7147
20	6840	6871	6898	6869	6848
25	6513	6552	6548	6459	6406
30	6109	6157	6101	5940	5873
35	5631	5679	5563	5401	5374
40	5088	5131	4981	4929	4974
45	4496	4530	4409	4522	4619
50	3876	3909	3884	4120	4219
55	3257	3303	3394	3673	3749
60	2739	2799	2977	3246	3303
65	2177	2257	2494	2730	2775
70	1655	1755	2014	2222	2269
75	1171	1288	1547	1736	1781
80	733	868	1117	1275	1308
85	386	540	763	878	899

COEFFICIENTS OF UTILIZATION (%)

RC	80				70				50				0
	RW	70	50	30	10	70	50	30	10	50	30	10	0
0	118	118	118	118	115	115	115	115	108	108	108	95	
1	107	102	97	93	104	99	95	91	94	90	87	78	
2	97	88	81	75	94	86	80	74	82	76	72	65	
3	88	78	69	63	85	76	68	62	72	65	60	54	
4	81	69	60	53	78	67	59	52	64	57	51	46	
5	74	62	52	46	72	60	52	45	57	50	44	40	
6	69	55	46	40	67	54	46	40	52	44	39	35	
7	64	50	42	35	62	49	41	35	47	40	34	31	
8	59	46	37	32	58	45	37	31	43	36	31	28	
9	56	42	34	28	54	41	34	28	40	33	28	25	
10	52	39	31	26	51	38	31	26	37	30	25	23	

RCR = Room Cavity Ratio RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

OPERATING ENVIRONMENT

Proposed System	Min Temp	Max Temp
LVT-2X4-XL	0°C	40°C
LVT-2X4-LW	-30°C	35°C
LVT-2X4-ML	-30°C	35°C
LVT-2X4-HL	-30°C	35°C
LVT-2X4-HHL	-30°C	25°C

Application Notes

1. Application temperatures are provided to ensure the longevity and performance of the driver and LEDs.
2. Results are based off the In-Situ Temperature Measurement Test (ISTMT) along with the drivers' temperature and life curves.
3. Optional emergency battery equipped units have a minimum temperature of 10°C.
4. Precision-Paragon [P2]'s 5 year warranty is specifically limited to ambient temperature range.

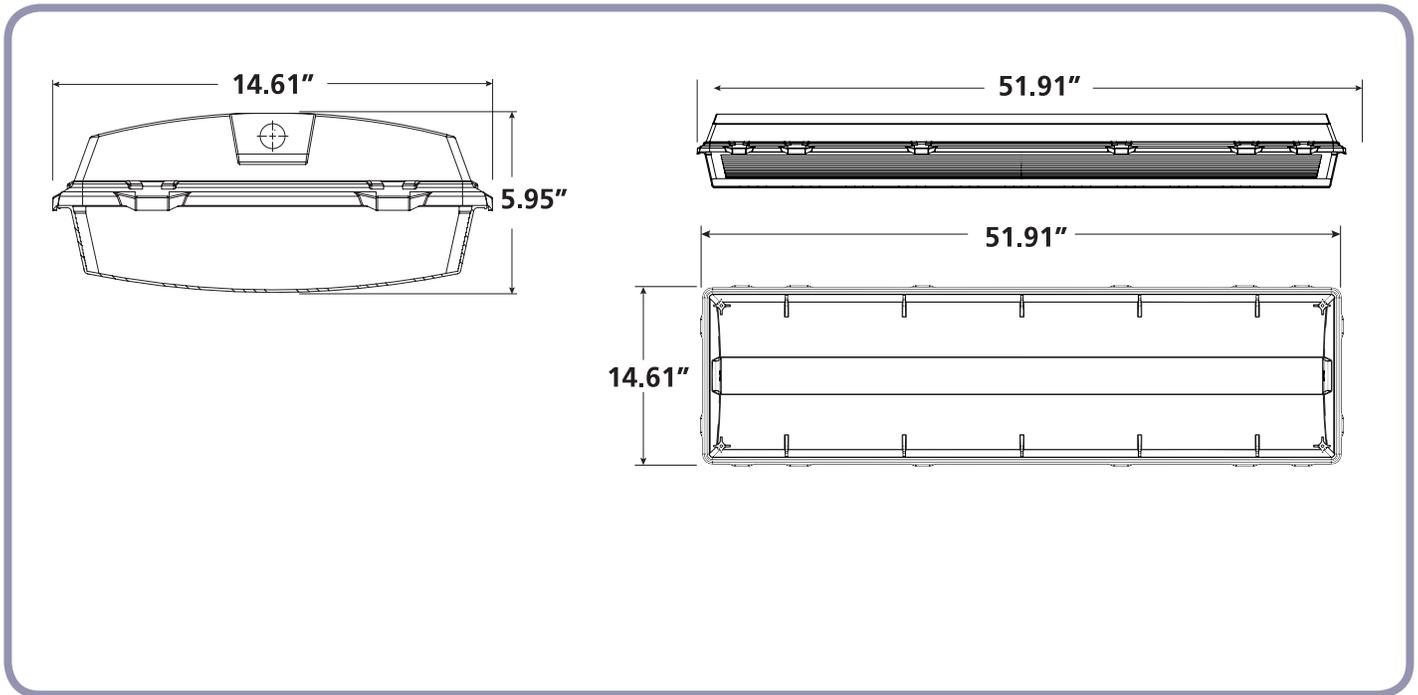
LUMEN PACKAGE OPTIONS

Proposed System	Lumen Output	CRI	CCT	4000K DETAILS*			5000K DETAILS**			
				Lumens Per Fixture	Input Watts	Lumens Per Watt	CCT	Lumens Per Fixture	Input Watts	Lumens Per Watt
LVT-2X4-XL	XL	>80	4000K	11250	102	110	5000K	11475	104	110
LVT-2X4-LW	LW	>80	4000K	15215	145	105	5000K	15519	148	105
LVT-2X4-ML	ML	>80	4000K	18331	182	101	5000K	18697	185	101
LVT-2X4-HL	HL	>80	4000K	21689	217	100	5000K	22123	221	100
LVT-2X4-HHL	HHL	>80	4000K	29287	295	99	5000K	29873	301	99

*Lumen values shown are initial delivered lumens tested at 25°C per IES LM-79 standards.

**Lumen values calculated with 1.02 multiplier based on LED manufacturer data.

FIXTURE DIMENSIONS



MOUNTING OPTIONS

<p>SUSPENDED STD. MOUNTING BRACKETS Included</p> 	+	<p>STD. SUSPENDED MT. V-HANGER Included</p> 	+	<p>GRIPPLE LOOP Order Separately</p> 
<p>SUSPENDED STD. MOUNTING BRACKETS Included</p> 	+	<p>GRIPPLE Y-HOOK SNAP Order Separately</p> 		
<p>SURFACE STD. MOUNTING BRACKETS Included</p> 	+	<p>VSM SURFACE MT. V-HANGER Order Separately</p> 		

*Contact the Service Hub for additional mounting options including stainless steel availability.