



Catalog Number:	
Project:	
Comments:	
Prepared By:	Date:

Description

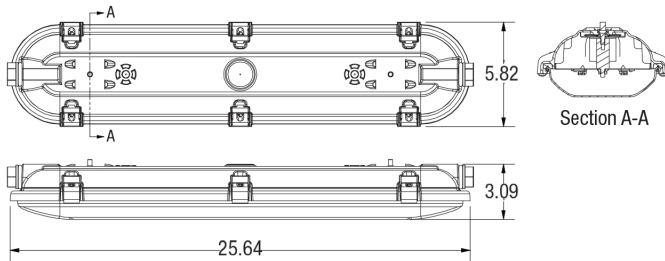
The LWS-VT2 low bay fixture was designed specifically to deliver superior illumination performance for vapor-tight demanding environments where moisture or dust is a concern. Designed for a lower mounting heights, wide spacing and suitable for wet, damp, and/ or cold location. Combining a sleek fixture design with energy efficient performance allows this low glare fixture to be used in car washes, food processing plants, kitchens, covered canopies, pedestrian tunnels, concourses, transit stations, stairwells and loading dock environments.

Performance Data

Model	Watts	Equiv	Delivered Lumens	Efficacy
LWS-VT2-20	21W	1-32W T8 Lamp	2,887 Lm	136 LPW
LWS-VT2-30	29W	2-32W T8 Lamps	3,978 Lm	136 LPW
LWS-VT2-40	41W	3 -32W T8 Lamps, 2-54W T5 HO Lamps	5,551 Lm	134 LPW

Dimensions & Weights

Model	Width	Height	Length	Weight
Low Bay	5.82"	3.09"	25.64"	5 lbs.



Technical Specifications

Input Voltage: 120-277V

Housing: Compression molding self-extinguishing fiberglass reinforced polyester compound with UL 5V flame rating (ASTM D635-74), F1 weatherability rating. Standard are two 7/8" conduit entry point on both ends.

Lens: Inline thermoformed low profile lenses available in acrylic and polycarbonate.

Mounting: Standard 316 stainless steel straps for surface of all-thread pendent mounting, or optional flush mounting bracket. That serves as a mounting as a mounting point for either a snap-in-place mount or hook.

Color Temperature: 2700K WW, 3000K OW, 4000K NW (standard), 5000K CW.

LED Lifetime: All LED's are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from -40°F/-40°C to 95°F/35°C.

Color Rendering Index (CRI): Minimum of 80

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 20kA/ 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Battery Back-Up (Optional): When triggered into emergency mode, the BBU operates the LEDs for a code-compliant 90 minutes. When AC power is restored, the driver automatically returns to charging mode. The BBU is a UL recognized component and meets all applicable safety standards.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

Certification Data: CSA, Wet Location Listed, IP65, IP66,IP67, 40 degree C Ambient Temperature rating, NSF International certified for NFS/ANSI Standard 2 – Food Equipment.

DesignLights Consortium® (DLC) Qualified Product: Unless noted, not all versions of this product may be DLC® Qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

Manufacturing Origin: US Manufactured and Assembled.

Buy American: Meets Buy American requirements within the ARRA.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com.



Ordering Information

LWS-VT2 - Options / Ordering Example: LWS-VT2-25-F-LP-1-NW

Wattage	Diffuser / Lens	Distribution	Voltage	Color Temperature
20 - 20 Watts	C - Clear	LP - Low Profile	1 - 120v-277v	WW - 3000K
30 - 30 Watts	F - Frosted			NW - 4000K
40 - 40 Watts				CW - 5000K

Options

WLEF - Wet Location Entry Fitting

C6 - 6' Cord with Liquid Tight Fitting (Wet Location, No Plug)

C12 - 12' Cord with Liquid Tight Fitting (Wet Location, No Plug)

MSH - Modular Mount Brackets

MHL - Modular Hanging Loop Brackets

PLTP - Plastic Latches Tamper Proof

SSL - Stainless Steel Latches*

SSLTP - Stainless Steel Latches Tamper Proof*

OC1 - On / Off

OC2 - Dim / High

PC - Polycarbonate lens

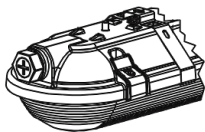
BB - Battery backup

*Stainless Steel is not NSF Listed

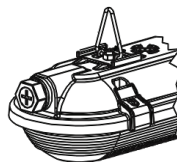
Accessories

Tamper Bit 3 - Driver bit for Tamper Proof Latches

Options & Accessories Images



MSH - Modular Mount Brackets



MHL - Modular Hanging Loop Brackets

Performance Data

Electrical Load Data			AC Current Load (A)			
Fixture Model	Drive Current (mA)	System Watts (W)	120V	208V	240V	277V
LWS-VT2-20	44	21.3	0.20	0.11	0.10	0.09
LWS-VT2-30	65	29.3	0.27	0.16	0.14	0.12
LWS-VT2-40	85	41.3	0.38	0.22	0.19	0.17

Lumen Maintenance

Data in the table below references projected performance in a 25°C ambient and is based on 10,000 hours of LED testing. Performance data has been tested per IESNA LM-80-08 and projected per IESNA TM-21-11.

Use the lumen maintenance factor that corresponds to the desired number of operating hours below to calculate LLF.

Fixture Model	Lumen Maintenance Factors @ 25°C, by hours:				
	0	25,000	50,000	70,000	100,000
LWS-VT2-20	1.0	0.96	0.91	0.87	0.82
LWS-VT2-30	1.0	0.96	0.91	0.87	0.82
LWS-VT2-40	1.0	0.96	0.91	0.87	0.82