

VWX4-L HAZARDOUS LOCATION LED VAPOR TIGHT

CLASS I, DIVISION 2 & CLASS III, DIVISION 1 & 2

The VWX4-L sealed 4ft linear luminaire is designed for use in hazardous locations when gases and liquids may be present. Acetylene, hydrogen, ether, hydrocarbons, fuels, solvents etc. that are not normally present in an explosive concentration (but may accidentally exist).

APPLICATIONS

- Clean rooms
- Locker rooms
- Computer areas
- Fuel storage areas
- Chemical processing facility
- Petrochemical processing facility
- Loading docks

FEATURES AND SPECIFICATIONS

CONSTRUCTION

Housing

- The housing is constructed from a one piece glass reinforced white fiberglass
- A closed cell, high temperature poured in place gasket and polycarbonate latches seal the enclosure from most hostile environments
- The low profile housing is available in 4 ft

Lens

- The fixture comes standard with an impact resistant acrylic frosted lens.

Specifications

- Wash down design
- Very durable
- Easy to clean and service
- LED technology for long term energy savings
- Stainless steel latches are available
- The luminaire enclosure was found to be in compliance with the indicated requirements of Enclosures for Electrical Equipment NEMA 4X

Ambient temperature
-40°C to +40°C

Mounting

Ceiling mounting brackets and mounting bail brackets for suspended mount included. Hardware in stainless steel.

ELECTRICAL










Driver

- 120-277V and 347V
- 0-10V dimming driver standard
- Suitable for cold location [-40°C]

COMPLIANCES

- Class I - Division 2, Groups A, B, C and D, T5 ambient 40°C
- Class III - Division 1 & 2, T5 ambient 40°C

- Hazardous location
- Suitable for damp and wet location
- IP66
- IP67
- 1500 PSI: High pressure hose down test (1.3 gallon per minute for 3 minutes at 1.5-2.0' from the unit) to maintain the integrity of the fixture. No water ingress is allowed
- NSF
- Compliant with NEMA 4X
- Meets requirements of ICES-005 for class A products
- CSA certified to C22.2 #250.0, #250.13, #137
- CSA
- UL1598, UL8750

OVERVIEW			
LIGHT SOURCE	LED	CRI	80+
WATTS [W]	31 - 79	WEIGHT [LBS]	14.15
LUMEN OUTPUT [LM]	3 797 - 10 047	AMBIENT TEMPERATURE [°C]	-40°C TO +40°C
EFFICACY [LM/W]	117 - 143	CONSTRUCTION	FIBERGLASS HOUSING, IMPACT RESISTANT ACRYLIC LENS, POM LATCHES AND STAINLESS STEEL MOUNTING HARDWARE
COLOR TEMPERATURE [K]	3 000, 4 000, 5 000	MOUNTING	SURFACE, SUSPENDED
<div>  <div>  <div>PREMIUM QUALITY</div> </div> <div>  <div>LED</div> </div> <div>  <div>WET LOCATION</div> </div> <div>  <div>HAZARDOUS LOCATION</div> </div> <div>  <div>IP RATING</div> </div> <div>  <div>IP RATING</div> </div> <div>  </div> <div>  </div> </div>			

ORDERING GUIDE

SERIES	LAMP TYPE	LUMEN PACKAGE [LM]	CRI	VOLTS [VAC]	COLOR TEMP. [K]	OPTIONS
VWX4	L - LED	A1A - REFER TO THE A2A - TECHNICAL A3A - SPECIFICATION A4A - TABLE FOR MORE DETAILS	80 - 80	2 - 120-277 8 - 347	30K - 3000 40K - 4000 50K - 5000	SS - STAINLESS STEEL LATCHES KV - 10KV SURGE PROTECTOR DL ¹ - EMERGENCY BACK UP (0°C-25°C) PC - POLYCARBONATE RIBBED FROSTED LENS SFAL - SMOOTH FROSTED ACRYLIC LENS SFPL - SMOOTH FROSTED POLYCARBONATE LENS TP - VANDAL RESISTANT SCREWS L6 - 6' WHITE POWER CORD L10 - 10' WHITE POWER CORD AC ² - AVIATION CABLE KIT RGB-45 - WALL MOUNT BRACKET (45°) L6-BK - 6' BLACK POWER CORD L10-BK - 10' BLACK POWER CORD

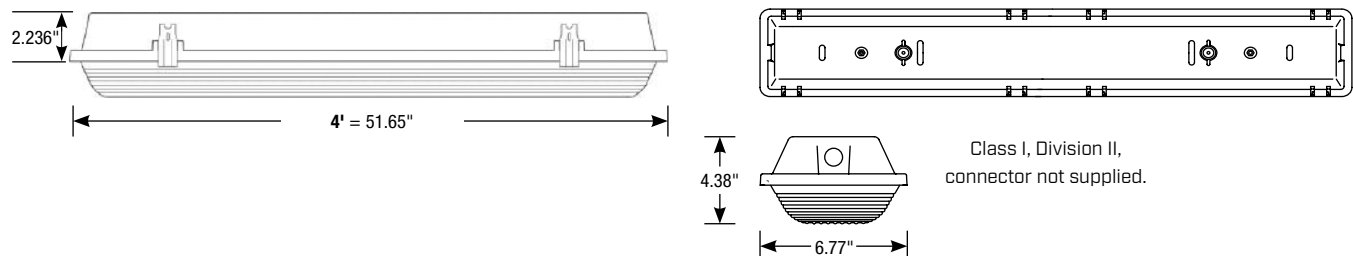
¹ When selecting DL option, the fixture maintains wet location status, however, NEMA 4X and IP ratings are no longer applicable

² Aviation cable length based on selected power cable length

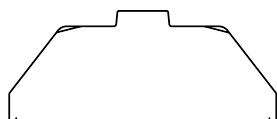
TECHNICAL SPECIFICATION TABLE

LUMEN PACKAGE	WATTS [W]	VOLTS [V]	3 000 K		4 000 K		5 000 K		CRI	LIFE L70 [HRS]	TESTED HOURS LM-80 [HRS]	POWER FACTOR	THD [%]
			LUMEN [LM]	EFFICIENCY [LM/W]	LUMEN [LM]	EFFICIENCY [LM/W]	LUMEN [LM]	EFFICIENCY [LM/W]					
A1A	31	120-277 347	3 797	124	3 999	130	4141	135	80+	189 000	10 000	0.97	11
A2A	40		5 223	131	5 500	138	5 695	143	80+	189 000	10 000	0.97	11
A3A	60		7 314	123	7 703	130	7 976	134	80+	189 000	10 000	0.98	9
A4A	79		9 212	117	9 703	124	10 047	128	80+	189 000	10 000	0.98	10

DIMENSIONS



CEILING MOUNTING BRACKETS¹



BAIL BRACKETS¹

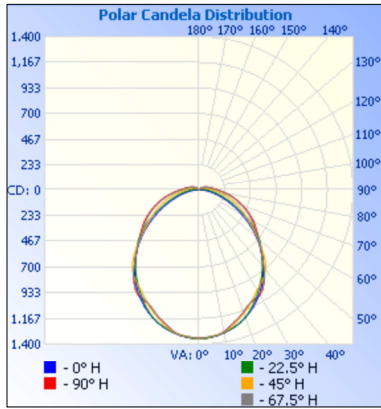


¹ Included.

PHOTOMETRIC DATA¹

VWX4-LA1-[2/8]/40K • 3862.2LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1006.6	26.1
0-40	1635.5	42.3
0-60	2804.4	72.6
60-90	871.5	22.6
70-100	542.5	14
90-120	174.9	4.5
0-90	3676.0	95.2
90-180	186.2	4.8
0-180	3862.2	100

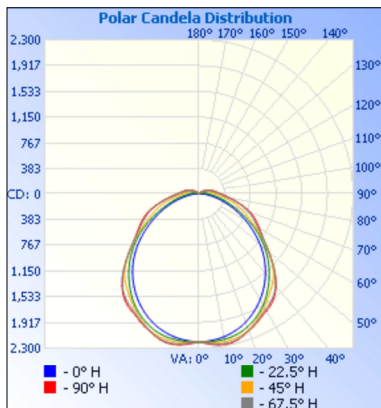
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
2.0'	336.8	4.9'	5.2'
4.0'	84.2	9.8'	10.4'
6.0'	37.4	14.7'	15.6'
8.0'	21.0	19.5'	20.8'
10.0'	13.5	24.4'	26.0'

■ Vert. Spread: 101.4° ■ Hor. Spread: 104.9°

VWX4-LA3-[2/8]/40K • 7131.8LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1774.0	24.9
0-40	2918.0	40.9
0-60	5106.6	71.6
60-90	1648.0	23.1
70-100	1044.7	14.6
90-120	357	5
0-90	6754.6	94.7
90-180	377.3	5.3
0-180	7131.8	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
2.0'	551.8	5.2'	6.0'
4.0'	137.9	10.4'	12.0'
6.0'	61.3	15.6'	17.9'
8.0'	34.5	20.8'	23.9'
10.0'	22.1	26.0'	29.9'

■ Vert. Spread: 104.8° ■ Hor. Spread: 112.4°

¹ Complete IES files available on our website.

All products are subject to change or may be discontinued any time without notice.
Please consult our chemical resistance guide to ensure selection of the proper product for your application.