

VP2-L GEN 2 2' LED VAPOR TIGHT

WITH MADE TO ORDER OPTIONS
 OPTIONAL EMERGENCY REMOTE

A luminaire ideal for a variety of indoor/outdoor industrial and commercial applications. Intended for environments where moisture and/or dust may be present. Ideal for garages and stairwell.

APPLICATIONS¹

- Industrial facilities
- Exterior retail areas
- Stairwells
- Transportation
- Parking garages
- Pedestrian tunnels

FEATURES & SPECIFICATIONS

CONSTRUCTION

Housing

- Lightweight, flexible, durable and sealed polycarbonate construction
- Integral gasket forms uniform, long-life seal around the entire enclosure
- Reinforced polycarbonate latches
- Sealed strain relief/cable gland kit included
- Power connection is easily accomplished through pre-drilled hole on one end of the housing. Wet location gland is included to seal the fixture from moisture

Lens

The UV stabilized polycarbonate lens with LED diffusing pigment is impervious to rust or rot and is unaffected by extreme temperatures.

SPECIFICATIONS

- Easy to clean and service
 - LED technology for long term energy savings
- #### Driver
- 120 V, 120 V-277 V and 347 V
 - 0-10V dimming driver (down to 1%). Dimming cables sold separately, see ordering guide
 - 2.5 kV surge protection [standard]. See options table for additional surge protection

Operating Temperature

-40°C to +40°C (-40°F to 104°F)
 DL: 0°C to +25°C (32° to 77°F)

Mounting

Stainless steel surface mounting hardware for wall/ceiling included with the luminaire. Set of 2 V-hooks also included for suspended mounting. Consult ordering guide for more options

EMERGENCY LIGHTING COMPLIANCES


- CSA certified as a C22.2 C141-15 emergency lighting luminaire
- Meets ICES-005 requirements

COMPLIANCES


- Suitable for damp and wet locations
- IP65
- 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
- Meets NSF
- Meets NEMA 4X
- Meets requirements of ICES-005
- cETL
- DLC Premium, DLC Standard
- BC Hydro




OVERVIEW			
LIGHT SOURCE	LED	COLOR TEMPERATURE (K)	3 000, 3 500, 4 000, 5 000
WATTS (W)	17 - 30	CRI	80+
LUMEN OUTPUT (LM)	2 143 - 4 210	WEIGHT (LBS)	4.35
EFFICACY (LM/W)	126 - 141		




WARRANTY
5 YEAR
WARRANTY




LED




WET LOCATION




65 IP RATING




ICES 005



Intertek



DLC LISTED PREMIUM



DLC LISTED

¹ Not recommended for car wash applications.

² 5 year warranty for the BRIDGE module

Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org/search.

VP2-L GEN 2

ORDERING GUIDE

SERIES	LAMP TYPE	LUMEN PACKAGE [LM]	CRI	VOLTS [VAC]	COLOR TEMP. [K]	OPTIONS
VP2	L - LED	A1B - } A2B - } REFER TO LUMEN CHART TABLE FOR DETAILS	80 - 80+	4 - 120 8 - 347 2 - 120-277	30K - 3 000 35K - 3 500 40K - 4 000 50K - 5 000	L6 - 6' POWER CABLE LENGTH L10 - 10' POWER CABLE LENGTH AC ¹ - AVIATION CABLE SS - STAINLESS STEEL LATCHES (SET OF 10PCS) OS ² - OCCUPANCY SENSOR DL ^{3,10} - AC AND EMERGENCY BACKUP (FROM 0°C - 25°C) 120 V, 120-277 V DIM1 ⁴ - 0-10 V INTERNAL DIMMING WIRES READY TO CONNECT DIM2 ⁵ - LINE VOLTAGE DIMMING DRIVER 120 V KV - 10KV SURGE PROTECTOR TP ⁶ - VANDAL RESISTANT KIT (INCLUDES 6PCS TAMPER PROOF SCREWS) RMB-05 ⁷ - RIGID MONO POINT ON BRACKET WITH 3/4" CENTER HOLE FOR 1/2 NPT CONDUIT RMB-075 ⁷ - RIGID MONO POINT ON BRACKET WITH 1" CENTER HOLE FOR 3/4 NPT CONDUIT RMP-05 ^{7,10} - RIGID MONO POINT ON THE LUMINAIRE WITH 3/4" CENTER HOLE FOR 1/2 NPT CONDUIT RMP-075 ^{7,10} - RIGID MONO POINT ON THE LUMINAIRE WITH 1" CENTER HOLE FOR 3/4 NPT CONDUIT PVPM-05 ⁷ - RIGID MONO POINT ON PIVOT MOUNT BRACKET WITH 3/4" CENTER HOLE AND 1/2 NPT PVPM-075 ⁷ - RIGID MONO POINT ON PIVOT MOUNT BRACKET WITH 1" CENTER HOLE AND 3/4 NPT PVM ⁷ - SURFACE MOUNT BRACKETS WITH PIVOT (SET OF 2) EH ⁸ - ADDITIONAL 7/8" END HOLE WITH WET LOCATION GLAND CH ⁹ - 7/8" CENTER HOLE WITH WET LOCATION GLAND

¹ Aviation cable length based on selected power cable length.

² To see available options, please consult the occupancy sensors section.

³ DL option is not compatible with OS (internal).

⁴ DIM1 option must select L6 or L10. DL option is not compatible with DIM1.

⁵ DIM2 option is not compatible with OS (internal).

⁶ 1 tamper proof bit (HARD6-TPBIT-UDR) included per order. Please consult the accessory table to order additional quantities.

⁷ See Mounting Options table.

⁸ Luminaire includes 1 end hole with wet location gland for main power connection. The /EH option offers a second end hole with wet location gland on the opposite side of the luminaire.

⁹ Use plug (included with the luminaire) to block End Hole, if not in use.

¹⁰ When selecting DL, RMP-05 and RMP-075 options, the fixture maintains wet location status, however IP rating is no longer applicable.

TECHNICAL SPECIFICATION TABLE

LUMEN PACKAGE	WATTS [W]	VOLTS [V]	3 000 K		3 500 K		4 000 K		5 000 K		CRI	LIFE L70 [HRS]	TESTED HOURS LM-80 [HRS]	POWER FACTOR	THD [%]
			LUMEN OUTPUT [LM]	EFFICACY [LM/W]	LUMEN OUTPUT [LM]	EFFICACY [LM/W]	LUMEN OUTPUT [LM]	EFFICACY [LM/W]	LUMEN OUTPUT [LM]	EFFICACY [LM/W]					
A1B	17	120-277	2 143	126	2 214	130	2 265	133	2 302	135	80+	190 400	9 000	20.2	0.894
A2B	29	347	3 920	131	4 050	135	4 143	138	4 210	141				13.7	0.95

ACCESSORIES (ORDER SEPARATELY)

PART NO	DESCRIPTION
HARD6-TPBIT-UDR	TAMPER PROOF 2" STEEL POWER BIT
CAS060-MC-JP ¹	REPLACEMENT POLYCARBONATE LATCH (1PC)
CAS060-LATCH-SS2 ¹	STAINLESS STEEL LATCH (1PC)

¹ 10 latches are required per fixture.

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OCCUPANCY SENSORS

ON-OFF SENSORS

Detection - On at [Detection Area] % during [Hold Time] min. Off

PART NO	POSITION	VOLTS [VAC]	TECHNOLOGY	HEIGHT [FT]	DETECTION AREA [%]	HOLD TIME [MIN.]	DAYLIGHT MIN LEVEL [LUX]	REMOTE*	LOCATION**
OSE-PO-0301	EXTERNAL	120-347	PIR	20-40	100	20	N/A	N/A	DRY, -10°C TO 40°C
OSE-PO-0501	EXTERNAL	120-347	PIR	15-40	100	15	3000	OSI-FSIR-100	DRY, 0°C TO 40°C
OSE-PO-0502	EXTERNAL	120-347	PIR	15-40	100	15	3000	N/A	DRY, 0°C TO 40°C
OSE-PO-0701	EXTERNAL	120-277	PIR	20	100	15	N/A	N/A	WET, -40°C TO 40°C
OSE-PO-0801	EXTERNAL	347	PIR	20	100	15	N/A	N/A	WET, -40°C TO 40°C
OSI-FO-0301	INTERNAL	120-277	HIGH FREQUENCY	32 MAX	100%	20	DISABLE	N/A	DRY AND WET, -25°C TO +40°C
OSI-FO-0601	INTERNAL	120-347	HIGH FREQUENCY	25 MAX	100%	30	DISABLE	OSI-RC-MH02	DRY AND WET, -35°C TO +40°C
OSI-FO-0602	INTERNAL	120-347	HIGH FREQUENCY	25 MAX	100%	15	DISABLE	OSI-RC-MH02	DRY AND WET, -35°C TO +40°C
OSI-FO-0603	INTERNAL	120-347	HIGH FREQUENCY	25 MAX	100%	15	100	OSI-RC-MH02	DRY AND WET, -35°C TO +40°C

BI-LEVEL SENSORS

Detection - On at [Detection Area] % during [Hold Time] min., then [Stand-by Dim level] %

PART NO	POSITION	VOLTS [VAC]	TECHNOLOGY	HEIGHT [FT]	DETECTION AREA [%]	HOLD TIME [MIN.]	STAND-BY DIM LEVEL [%]	DAYLIGHT MIN LEVEL [LUX]	REMOTE*	LOCATION**
OSE-PB-0202	EXTERNAL	120-347	PIR	20	100	30	40	DISABLE	OSI-FSIR-100	WET, -40°C TO 40°C
OSI-FB-0301	INTERNAL	120-277	HIGH FREQUENCY	32 MAX	100	20	30	DISABLE	N/A	DRY AND WET, -25°C TO 40°C
OSI-FB-0302	INTERNAL	120-277	HIGH FREQUENCY	32 MAX	100	20	10	DISABLE	N/A	DRY AND WET, -25°C TO 40°C
OSI-FB-0303	INTERNAL	120-277	HIGH FREQUENCY	32 MAX	100	20	50	DISABLE	N/A	DRY AND WET, -25°C TO 40°C
OSE-FB-0402	EXTERNAL	120-347	HIGH FREQUENCY	50 MAX	100	20	30	50 LUX	OSI-RC-MH02	WET, -35°C TO 40°C
OSI-FB-0603	INTERNAL	120-347	HIGH FREQUENCY	25 MAX	100	15	40	DISABLE	OSI-RC-MH02	DRY AND WET, -35°C TO 40°C
OSI-FB-0604	INTERNAL	120-347	HIGH FREQUENCY	25 MAX	100	30	40	DISABLE	OSI-RC-MH02	DRY AND WET, -35°C TO 40°C
OSI-FB-0605	INTERNAL	120-347	HIGH FREQUENCY	25 MAX	100	15	30	DISABLE	OSI-RC-MH02	DRY AND WET, -35°C TO 40°C
OSI-FB-0606	INTERNAL	120-347	HIGH FREQUENCY	25 MAX	100	15	10	DISABLE	OSI-RC-MH02	DRY AND WET, -35°C TO 40°C

* To be ordered separately.

** Min and max ambient temperature of the fixture with the specific sensor. Please verify fixture temperature on the first page for compatibility with sensor.

TRI-LEVEL SENSORS

Detection - On at [Detection Area] % during [Hold Time] min., then [Stand-by Dim level] % during [Stand-by period] min. Off

PART NO	POSITION	VOLTS [VAC]	TECHNOLOGY	HEIGHT [FT]	DETECTION AREA [%]	HOLD TIME [MIN.]	STAND-BY DIM LEVEL [%]	STAND-BY PERIOD [MIN]	DAYLIGHT MIN LEVEL [LUX]	REMOTE*	LOCATION**
OSI-FT-0301	INTERNAL	120-277	HIGH FREQUENCY	32 MAX	100	20	30	10	DISABLE	N/A	DRY AND WET, -25°C TO 40°C
OSE-FT-0402	EXTERNAL	120-347	HIGH FREQUENCY	50 MAX	100	30	30	10	50	OSI-RC-MH02	WET, -35°C TO 40°C
OSI-FT-0601	INTERNAL	120-347	HIGH FREQUENCY	25 MAX	100	30	30	10	DISABLE	OSI-RC-MH02	DRY AND WET, -35°C TO 40°C

* To be ordered separately.

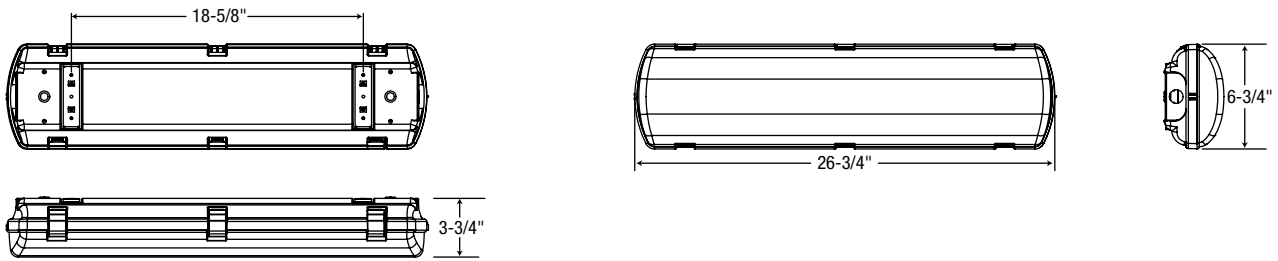
** Min and max ambient temperature of the fixture with the specific sensor. Please verify fixture temperature on the first page for compatibility with sensor.

For more settings visit

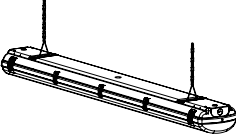
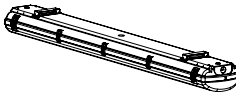
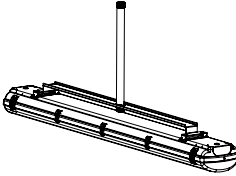
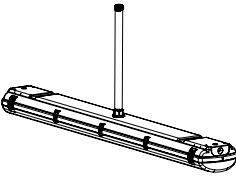
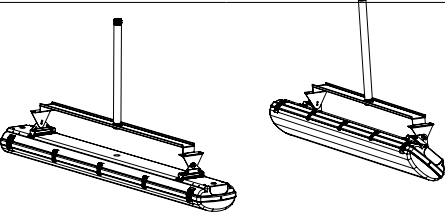

aimlite.com/documentation/technical-information/

VP2-L GEN 2

DIMENSIONS



MOUNTING TYPE

<p>SUSPENDED</p>	<ul style="list-style-type: none"> • SET OF 2 V-HOOKS FOR SUSPENDED MOUNTING, INCLUDED WITH THE LUMINAIRE • AVIATION CABLE PURCHASED SEPARATELY, SEE ORDERING GUIDE 	
<p>SURFACE</p>	<ul style="list-style-type: none"> • STAINLESS STEEL SURFACE MOUNTING HARDWARE FOR CEILING/WALL, INCLUDED WITH THE LUMINAIRE 	
<p>RMB-05 RIGID MONO POINT ON BRACKET WITH 3/4" CENTER HOLE FOR 1/2 NPT CONDUIT</p> <p>RMB-075 RIGID MONO POINT ON BRACKET WITH 1" CENTER HOLE FOR 3/4 NPT CONDUIT</p>	<ul style="list-style-type: none"> • TO BE USED IN CONJUNCTION WITH THE SURFACE MOUNTING HARDWARE, INCLUDED WITH THE LUMINAIRE • FOR OTHER CENTER HOLE DIMENSIONS, SELECT CH OPTION IN THE ORDERING GUIDE • CONDUIT NOT PROVIDED 	
<p>RMP-05 RIGID MONO POINT ON THE LUMINAIRE WITH 3/4" CENTER HOLE FOR 1/2 NPT CONDUIT</p> <p>RMP-075 RIGID MONO POINT ON THE LUMINAIRE WITH 1" CENTER HOLE FOR 3/4 NPT CONDUIT</p>	<ul style="list-style-type: none"> • RIGID MONO POINT DIRECTLY ON THE LUMINAIRE WITH WATERPROOF HUB • CONDUIT NOT PROVIDED 	
<p>PVPM-05 RIGID MONO POINT ON PIVOT MOUNT BRACKET WITH 3/4" CENTER HOLE AND 1/2 NPT</p> <p>PVPM-075 RIGID MONO POINT ON PIVOT MOUNT BRACKET WITH 1" CENTER HOLE AND 3/4 NPT</p>	<ul style="list-style-type: none"> • TO BE USED IN CONJUNCTION WITH THE SURFACE MOUNTING HARDWARE, INCLUDED WITH THE LUMINAIRE • FOR 7/8" CENTER HOLE, CONSULT CH OPTION ON THE ORDERING GUIDE • CONDUIT NOT PROVIDED 	
<p>PVM SURFACE MOUNT BRACKETS WITH PIVOT [SET OF 2]</p>	<ul style="list-style-type: none"> • TO BE USED IN CONJUNCTION WITH THE SURFACE MOUNTING HARDWARE, INCLUDED WITH THE LUMINAIRE • FOR CEILING/WALL SURFACE MOUNTING 	

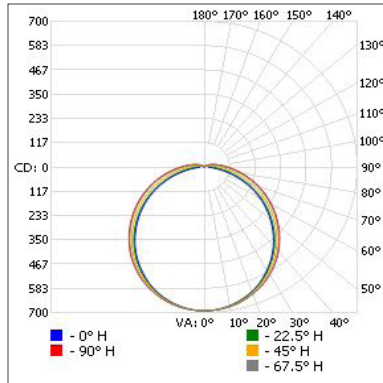
Note: The fixtures used in diagrams above represents the VP4 series. The diagrams are used to showcase mounting options only.

VP2-L GEN 2

PHOTOMETRIC DATA¹

VP2-LA1B-80-[2/4/8]/40K 2 264 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	537.3	23.7
0-40	882.0	39
0-60	1 577.3	69.7
60-90	564.6	24.9
70-100	348.9	15.4
90-120	105.7	4.7
0-90	2 141.8	94.6
90-180	122.3	5.4
0-180	2 264.1	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	239	4.9'	6.1'
3.3'	63.5	9.4'	11.8'
5.0'	27.6	14.3'	17.9'
6.7'	15.4	19.1'	24.0'
8.3'	10.0	23.7'	29.7'
10.0'	6.91	28.6'	35.8'

■ Vert. Spread: 110.0°
 ■ Hor. Spread: 121.7°

¹ Complete IES files available on our website.

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.