

VP4-L GEN 2

4' LED VAPOR TIGHT

WITH MADE TO ORDER OPTIONS
 OPTIONAL EMERGENCY REMOTE



A vandal resistant luminaire with superior light distribution, the VP4-L is ideal for a variety of indoor/outdoor industrial, commercial and residential applications. Intended for environments where moisture and/or dust may be present.

FEATURES & SPECIFICATIONS

CONSTRUCTION

Housing

- Lightweight, flexible and durable polycarbonate construction makes the luminaire vandal resistant and highly impact resistant
- The housing is sealed with a uniform gasket that blocks the ingress of moisture and dust and reinforced polycarbonate latches lock the luminaire together
- Row mount aligners molded into housing ends
- Sealed strain relief/cable gland kit included
- Power connection is easily accomplished through a pre-drilled hole at one end of the housing that comes populated with a wet location watertight gland

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, 120-277 V and 347 V
 - 0-10V dimming driver (A1B-A4B goes down to 1%). Dimming cables sold separately, see ordering guide

APPLICATIONS¹

- Parking garages
- Subways
- Schools
- Industrial facilities
- Exterior retail areas
- Storage rooms
- Garden centers
- Airports

- Protection against short circuit and open circuit, inrush current complies with NEMA 410, transient protector complies with IEEE C62.41, 2.5 kV/2.5 kV

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 mounting hardware for wall, ceiling or suspended mounting.

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
- 1 500 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)	24 - 51	CRI	80+
LUMEN OUTPUT (LM)	3 376 - 7 748	WEIGHT (LBS)	8.45
EFFICACY (LM/W)	129 - 156		
       			

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.

VP4-L GEN 2

ORDERING GUIDE

VP4 — L — — — / — / — / —							
SERIES	LAMP TYPE	LUMEN PACKAGE [LM]	CRI	VOLTS [VAC]	COLOR TEMP. [K]	OPTIONS	
VP4	L - LED	A1B } REFER TO A2B } LUMEN A3B } CHART A4B } TABLE FOR DETAILS	80 - 80+	4 - 120 8 - 347 2 - 120-277	30K - 3 000 35K - 3 500 40K - 4 000 50K - 5 000	DIM1 ¹ - 5 WIRE CABLE FOR AC AND 0-10 V DIMMING DIM2 ² - LINE VOLTAGE DIMMING DRIVER 120 V L6 - 6' WHITE POWER CABLE LENGTH L10 - 10' WHITE POWER CABLE LENGTH L6-BK - 6' BLACK POWER CABLE LENGTH L10-BK - 10' BLACK POWER CABLE LENGTH SS - STAINLESS STEEL LATCHES (SET OF 10PCS) OS ³ - OCCUPANCY SENSOR DL ^{4,8} - AC AND EMERGENCY BACKUP (FROM 0°C - 25°C) 120 V, 120-277 V TP ⁵ - VANDAL RESISTANT KIT (INCLUDES 6PCS TAMPER PROOF SCREWS) KV - 10KV SURGE PROTECTOR RMB-05 ⁶ - RIGID MONO POINT ON BRACKET WITH 3/4" CENTER HOLE FOR 1/2 NPT CONDUIT RMB-075 ⁶ - RIGID MONO POINT ON BRACKET WITH 1" CENTER HOLE FOR 3/4 NPT CONDUIT RMP-05 ^{6,8} - RIGID MONO POINT ON THE LUMINAIRE WITH 3/4" CENTER HOLE FOR 1/2 NPT CONDUIT RMP-075 ^{6,8} - RIGID MONO POINT ON THE LUMINAIRE WITH 1" CENTER HOLE FOR 3/4 NPT CONDUIT PVPM-05 ⁶ - RIGID MONO POINT ON PIVOT MOUNT BRACKET WITH 3/4" CENTER HOLE AND 1/2 NPT PVPM-075 ⁶ - RIGID MONO POINT ON PIVOT MOUNT BRACKET WITH 1" CENTER HOLE AND 3/4 NPT PVM ⁶ - SURFACE MOUNT BRACKETS WITH PIVOT (SET OF 2) EH - ADDITIONAL 7/8" END HOLE WITH WET LOCATION GLAND CH - 7/8" CENTER HOLE WITH WET LOCATION GLAND AC ⁷ - AVIATION CABLE	

¹ DIM1 option must select L6, L10, L6-BK or L10-BK. DL option is not compatible with DIM1

² DIM2 only for A1B, A2B and A3B lumen packages

³ To see available options, please consult the occupancy sensors section

⁴ Fixture functional in AC mode, when power goes off emergency battery (DL) powers LED boards. One battery per fixture is standard unless otherwise specified.

⁵ 1 tamper proof bit (HAR06-TPBIT-UDR) included per order. Please consult the accessory table to order additional quantities

⁶ See Mounting Options table

⁷ Aviation cable length based on selected power cable length

⁸ When selecting DL, RMP-05 and RMP-075 options, the fixture maintains wet location status, however IP rating is no longer applicable

DLC UNIQUE ID TABLE

DLC FAMILY CODE	CERTIFIED	PRIMARY DESIGNATION(S)
WWWYCW	Premium	Stairwell and Passageway Luminaires
		Low-Bay Luminaires for Commercial and Industrial Buildings ¹
	Standard	Direct Linear Ambient Luminaires

¹ LA3B lumen package only

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	24	120-277 347	3 376	129	3 487	133	3 568	136	3 626	138	80+	190 400	9 000	0.932	16.2
A2B	28		4 244	139	4 384	143	4 486	147	4 558	149				0.951	14.3
A3B	33		4 747	145	4 903	150	5 017	153	5 098	156				0.959	13.6
A4B	51		7 215	140	7 453	144	7 626	148	7 748	150				0.948	9.7

ACCESSORIES (ORDER SEPARATELY)

PART NO	DESCRIPTION
HAR06-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-0302	EXTERNAL	120-347	PIR	20-40	100	20	N/A	N/A	DRY, -40°C TO 4°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
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

* 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.

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

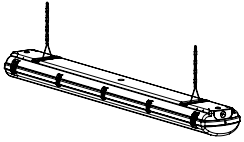
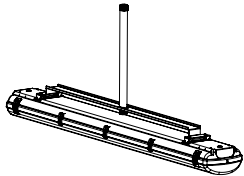
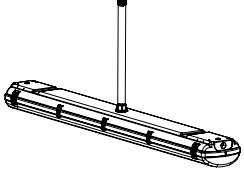
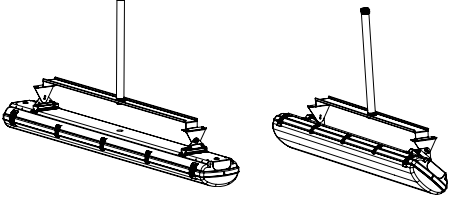
* To be ordered separately.

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

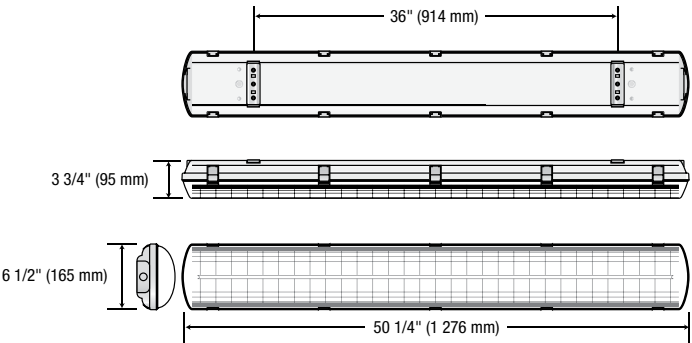
For more settings visit
aimlite.com/documentation/technical-information/

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MOUNTING TYPE

SUSPENDED	• SET OF 2 V-HOOKS FOR SUSPENDED MOUNTING, INCLUDED WITH THE LUMINAIRE • AVIATION CABLE PURCHASED SEPARATELY, SEE ORDERING GUIDE	
SURFACE	• STAINLESS STEEL SURFACE MOUNTING HARDWARE FOR CEILING/WALL, INCLUDED WITH THE LUMINAIRE	
RMB-05 RIGID MONO POINT ON BRACKET WITH 3/4" CENTER HOLE FOR 1/2 NPT	• 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	
RMB-075 RIGID MONO POINT ON BRACKET WITH 1" CENTER HOLE FOR 3/4 NPT		
RMP-05 RIGID MONO POINT ON THE LUMINAIRE WITH 3/4" CENTER HOLE FOR 1/2 NPT	• RIGID MONO POINT DIRECTLY ON THE LUMINAIRE WITH WATERPROOF HUB • CONDUIT NOT PROVIDED	
RMP-075 RIGID MONO POINT ON THE LUMINAIRE WITH 1" CENTER HOLE FOR 3/4 NPT		
PVPM-05 RIGID MONO POINT ON PIVOT MOUNT BRACKET WITH 3/4" CENTER HOLE AND 1/2 NPT	• 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	
PVPM-075 RIGID MONO POINT ON PIVOT MOUNT BRACKET WITH 1" CENTER HOLE AND 3/4 NPT		
PVM SURFACE MOUNT BRACKETS WITH PIVOT (SET OF 2)	• TO BE USED IN CONJUNCTION WITH THE SURFACE MOUNTING HARDWARE, INCLUDED WITH THE LUMINAIRE • FOR CEILING/WALL SURFACE MOUNTING	

DIMENSIONS

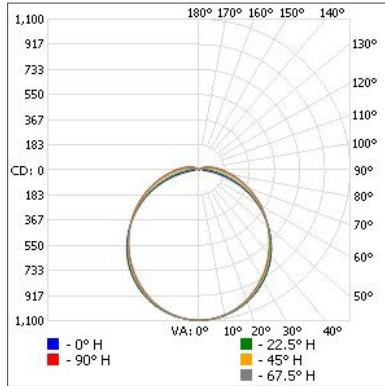


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PHOTOMETRIC DATA¹

VP4-LA1B-[2/4/8]/40K 3 567 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

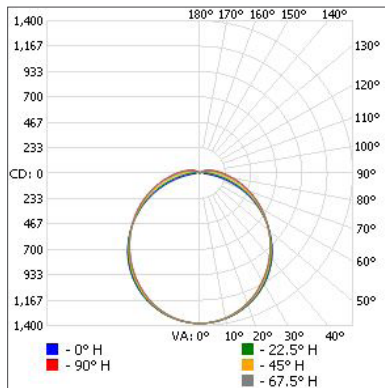
ZONE	LUMENS	% FIXTURE
0-30	848.5	23.8
0-40	1 389.5	39
0-60	2 475.4	69.4
60-90	885.9	24.8
70-100	561.0	15.7
90-120	181.6	5.1
0-90	3 361.3	94.2
90-180	205.9	5.8
0-180	3 567.3	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
1.7'	379		5.2'	5.4'
3.3'	101		10.1'	10.6'
5.0'	43.9		15.2'	16.0'
6.7'	24.4		20.4'	21.4'
8.3'	15.9		25.3'	26.5'
10.0'	11.0		30.5'	32.0'
■ Vert. Spread: 113.4° ■ Hor. Spread: 116.0°				

VP4-LA2B-[2/4/8]/40K 4 485 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

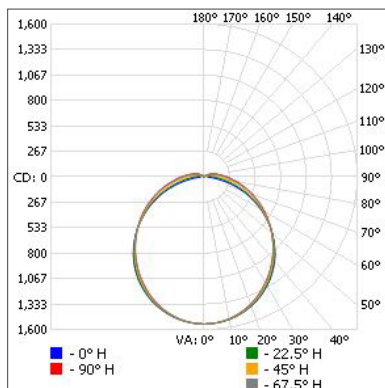
ZONE	LUMENS	% FIXTURE
0-30	1 066.8	23.8
0-40	1 747.0	39
0-60	3 112.3	69.4
60-90	1 113.8	24.8
70-100	705.3	15.7
90-120	228.3	5.1
0-90	4 226.2	94.2
90-180	258.9	5.8
0-180	4 485.1	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
1.7'	477		5.2'	5.4'
3.3'	127		10.1'	10.6'
5.0'	55.2		15.2'	16.0'
6.7'	30.7		20.4'	21.4'
8.3'	20.0		25.3'	26.5'
10.0'	13.8		30.5'	32.0'
■ Vert. Spread: 113.4° ■ Hor. Spread: 116.0°				

VP4-LA3B-80-[2/4/8]/40K 5 016 LM

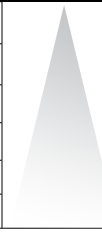
POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1 193.1	23.8
0-40	1 953.8	39
0-60	3 480.8	69.4
60-90	1 245.7	24.8
70-100	788.8	15.7
90-120	255.4	5.1
0-90	4 726.4	94.2
90-180	289.5	5.8
0-180	5 015.9	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
1.7'	534		5.2'	5.4'
3.3'	142		10.1'	10.6'
5.0'	61.7		15.2'	16.0'
6.7'	34.4		20.4'	21.4'
8.3'	22.4		25.3'	26.5'
10.0'	15.4		30.5'	32.0'
■ Vert. Spread: 113.4° ■ Hor. Spread: 116.0°				

¹ Complete IES files available on our website.

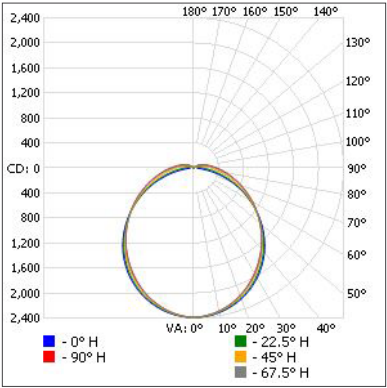
Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.

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PHOTOMETRIC DATA¹

VP4-LS4B-80-[2/4/8]/40K 7 625 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1 831.4	24
0-40	2 990.3	39.2
0-60	5 296.7	69.5
60-90	1 871.1	24.5
70-100	1 194.9	15.7
90-120	402.3	5.3
0-90	7 167.7	94
90-180	457.3	6
0-180	7 625.0	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	827	5.1'	5.1'
3.3'	220	9.9'	10.0'
5.0'	95.6	15.0'	15.1'
6.7'	53.3	20.0'	20.2'
8.3'	34.7	24.8'	25.1'
10.0'	23.9	29.9'	30.2'
■ Vert. Spread: 112.5° ■ Hor. Spread: 113.0°			

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.