

VPE4-L LED VAPOR TIGHT



A luminaire ideal for a variety of industrial, commercial and residential applications. Installed either indoors or outside, the VPE4-L provides superior light distribution. Intended for applications where moisture and/or dust may be present.

APPLICATIONS¹

- Garages
- Industrial facilities
- Sporting applications
- Subways
- School
- Canopies
- Storage rooms
- Garden centers
- Airports

FEATURES & SPECIFICATIONS

CONSTRUCTION

Housing

- Lightweight, flexible and durable polycarbonate construction makes the luminaire highly impact resistant
- The housing is sealed with a uniform gasket that blocks the ingress of moisture and dust and reinforced snap clips lock the luminaire together
- Row mount aligners molded into housing ends
- Sealed strain relief/cable gland kit included

Lens

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

Mounting

Stainless steel ceiling mounting hardware and v-hooks also provided for suspension on chain or aviation cable.

TECHNICAL SPECIFICATIONS

- Easy to clean and service
- LED technology for long term energy savings
- Colour consistency (SDCM) is 3 step MacAdam ellipse

Driver

- 120-277 V or 347 V
- 0-10 V dimming standard

Ambient temperature

-20°C to +35°C

COMPLIANCES

- Suitable for damp & wet locations
- IP65
- Meets requirements of ICES-005
- UL1598, UL8750
- cULus certified
- cETL
- DLC

OVERVIEW			
LIGHT SOURCE	LED	EFFICIENCY (LM/W)	125 - 136
WATTS [W]	40 - 60	COLOR TEMPERATURE [K]	4 000, 5 000
LUMEN OUTPUT [LM]	5 000 - 8 176	CRI	80+











¹ Not recommended for car wash applications.

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.

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.

VPE4-L

QUICK SHIP ORDERING GUIDE



PART NO	DLC UNIQUE ID	WATTS [W]	VOLTS [VAC]	COLOR TEMP. [K]	LUMEN OUTPUT [LM]	EFFICIENCY [LM/W]	CRI	LIFE L70 [HRS]	TESTED HOURS LM-80 [HRS]	DIMMING TYPE [VAC]	PF	THD [%]
VPE4-LA3-2/40K	PJZFX3YX	40	120-277	4 000	5 000	125	80+	64 000	6 000	0-10	0.95	20
VPE4-LA3-2/40K/OS1 ¹	PJZFX3YX	40	120-277	4 000	5 000	125	80+	64 000	6 000	0-10	0.95	20
VPE4-LA3-2/40K/OS2 ¹	PJZFX3YX	40	120-277	4 000	5 000	125	80+	64 000	6 000	0-10	0.95	20
VPE4-LA3-2/50K	PLDIMUYE2023	40	120-277	5 000	5 000	125	80+	64 000	6 000	0-10	0.95	20
VPE4-LA3-8/40K	P1644SVT	40	347	4 000	5 200	130	80+	64 000	6 000	0-10	0.95	10
VPE4-LA3-8/50K	PS7J7T4H	40	347	5 000	5 460	136	80+	64 000	6 000	0-10	0.95	10
VPE4-LA4-2/40K	P41QJS4J	60	120-277	4 000	7 500	125	80+	64 000	6 000	0-10	0.95	10
VPE4-LA4-2/50K	PLHKB4A3TT7J	60	120-277	5 000	7 500	125	80+	64 000	6 000	0-10	0.95	10
VPE4-LA4-8/40K	PK562KTU	60	347	4 000	7 900	132	80+	64 000	6 000	0-10	0.95	10
VPE4-LA4-8/50K	PCWAE7JV	60	347	5 000	8 176	136	80+	64 000	6 000	0-10	0.95	10

¹ Refer to occupancy sensors table below for details.

QUICK SHIP: Product availability is subject to change without notice. Please contact your AimLite customer service representative to confirm inventory levels at time of order.

ACCESSORY [ORDER SEPARATELY]

PART NO	DESCRIPTION
CAS060-LATCH-SS ¹	STAINLESS STEEL LATCH (1PC)

¹ 10 Latches are required per fixture.

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]
VPE4-LA3-2/3C/OS1	INTERNAL	120-277	HIGH FREQUENCY	50 MAX	100	20	DISABLE
VPE4-LA4-2/3C/OS1							

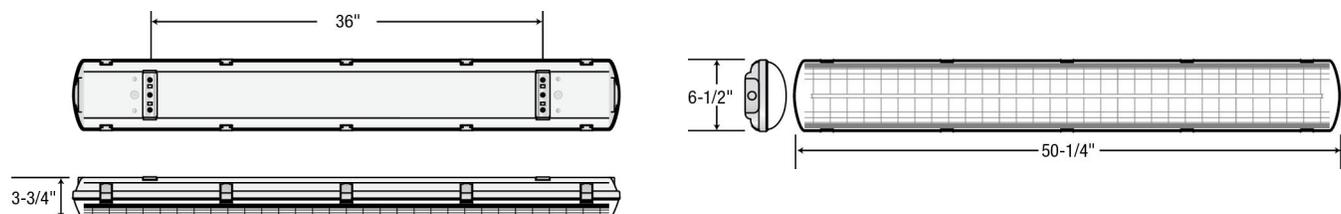
M

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]
VPE4-LA3-2/3C/OS2	INTERNAL	120-277	HIGH FREQUENCY	50 MAX	100	20	50	DISABLE
VPE4-LA4-2/3C/OS2								
VPE4-LA3-32/3C/OS3	INTERNAL	120-347	HIGH FREQUENCY	25 MAX	100	15	40	DISABLE
VPE4-LA4-32/3C/OS3								

DIMENSIONS

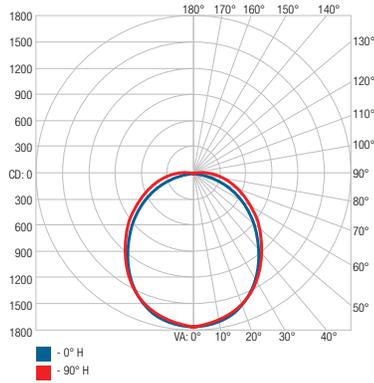


VPE4-L

PHOTOMETRIC DATA

VPE4-LA3-[2/8]/40K • 5 186.6 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	1 333.7	25.7	25.7
0-40	2 152.6	41.5	41.5
0-60	3 724.1	71.8	71.8
60-90	1 207	23.3	23.3
70-100	739.8	14.3	14.3
90-120	218.2	4.2	4.2
0-90	4931.1	95.1	95.1
90-180	255.1	4.9	4.9
0-180	5 186.2	100	100

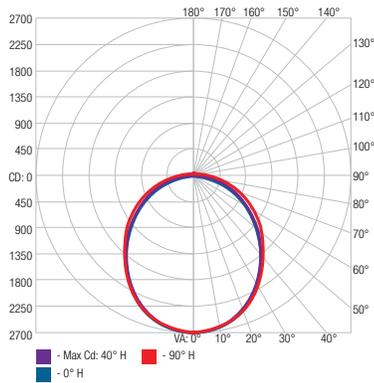
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	610	4.2'	4.9'
3.3'	162	8.1'	9.5'
5.0'	70.5	12.3'	14.4'
6.7'	39.3	16.4'	19.2'
8.3'	25.6	20.3'	23.8'
10.0'	17.6	25.5'	28.7'

■ Vert. Spread: 101.6° ■ Hor. Spread: 110.3°

VPE4-LA4-[2/8]/40K • 7 950.0 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	2 038.6	25.6	25.6
0-40	3 291.1	41.4	41.4
0-60	5 696.4	71.7	71.7
60-90	1 854.7	23.3	23.3
70-100	1 141.8	14.4	14.4
90-120	341	4.3	4.3
0-90	7 551.1	95	95
90-180	398.6	5	5
0-180	7 949.7	100	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	932	4.2'	4.9'
3.3'	247	8.1'	9.5'
5.0'	108	12.2'	14.5'
6.7'	60.0	16.4'	19.4'
8.3'	39.1	20.3'	24.0'
10.0'	26.9	24.4'	28.9'

■ Vert. Spread: 101.4° ■ Hor. Spread: 110.7°

¹ Complete IES files available on our website.