

VPL4 GEN. 3

LED SLIM 4' VAPOR TIGHT

3 CCT AND 3 POWER SELECTABLE

This 4' LED luminaire is ideal for a variety of industrial and commercial applications. Installed either indoors or outdoors, the VPL4 provides superior light distribution and is intended for environments where moisture and/or dust may be present. Perfect for applications requiring the complete containment of LEDs for easy washability and hose down. The VPL4 series can withstand reduced temperatures and moderate impact. This luminaire meets BC Hydro requirements, thus providing considerable utility rebates in British Columbia.



FEATURES & SPECIFICATIONS

CONSTRUCTION

Physical Characteristics

- Lightweight, slim and durable impact-resistant polycarbonate construction
- Easy installation and maintenance. Gear tray is attached to the lens exposing the internal components when the fixture is in open position. Change the color temperature and desired lumen output with the simple touch of a button
- Uniform gasketed seal and reinforced stainless steel clips block the ingress of moisture and dust
- Pre-drilled end-holes and two watertight glands are offered with each fixture to preserve integrity of internal components

Mounting

Surface (ceiling/wall), suspended or 90° surface mounting. Set of 2 V-hooks and 2 stainless steel mounting clips included with each fixture for surface or suspended mounting with chain or aviation cable

Lens

The frosted LED diffusing pigment lens provides uniform light distribution and has been UV stabilized to ensure that there is no yellowing over time. This impact-resistant polycarbonate lens is impervious to rust or rot and is unaffected by extreme temperatures

PERFORMANCE DATA

- Available in 3 500/4 000/5 000 K selectable color temperature
- 80+ CRI
- Electrical ratings: 120-347 V
- Estimated life of over 54 000 hours to L70
- 0-10 V dimming driver. 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]

COMPLIANCES

- Suitable for damp and wet locations
- IP66
- Meets requirements of ICES-005 class A
- UL1598, UL8750
- cETLus certified
- cCSAus
- NSF certified (Splash Zone and Non Food Zone)
- NEMA 4X certified
- IK10 (lens and housing)
- DLC Premium and Standard
- BC Hydro

OVERVIEW			
LIGHT SOURCE	LED	COLOR TEMPERATURE (K)	3 500/4 000/5 000
WATTS (W)	30/40/50 30/45/60	CRI	80+
LUMEN OUTPUT (LM)	4 320-9 000	WEIGHT (LBS)	3.9
EFFICIENCY (LM/W)	140-154		

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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QUICK SHIP AND TECHNICAL SPECIFICATION TABLE



PART NUMBER	WATTS	VOLTS	COLOR TEMP.	LUMEN OUTPUT	EFFICACY	CRI	LIFE L70	TESTED HOURS LM-80	DIMMING	PF	THD	MASTER CASE QTY
	[W]	[V AC]	[K] ¹	[LM] ^{2,3}	[LM/W]		[HRS] ⁴	[HRS] ⁴	[YES/NO]		[%]	
4' CCT AND POWER SELECTABLE												
VPL4-3-PS132-3C	30/40/50	120-347	3 500/4 000/5 000	4 320-7 200	144	80+	54 000	54 000	0-10 V	≥0.90	≤20	6
VPL4-3-PS232-3C	30/45/60	120-347	3 500/4 000/5 000	4 500-9 000	150	80+	54 000	54 000	0-10 V	≥0.90	≤20	6

¹ Typical color temperature range: +/- 5 %

² Lumen values are derived from photometric testing. Initial lumens range: +/- 10 %

³ Lumen values are based on 4 000 K default programming. Please refer to the LUMEN SPECIFICATION TABLE for more details on other color temperatures

⁴ Life hours are derived from IESNA LM-80 testing report and projected per IESNA TM-21 extrapolations

DLC UNIQUE ID TABLE

PART NUMBER	DLC PREMIUM UNIQUE ID	DLC STANDARD UNIQUE ID	DLC STANDARD UNIQUE ID
	STAIRWELL	DIRECT LINEAR AMBIENT	LOW-BAY
VPL4-3-PS132-3C	S-7WY7N3	S-PCPHBT	S-H5KC76
VPL4-3-PS232-3C	S-NV9KDW	S-J4CYJQ	S-RZPTZ1

LUMEN SPECIFICATION TABLE

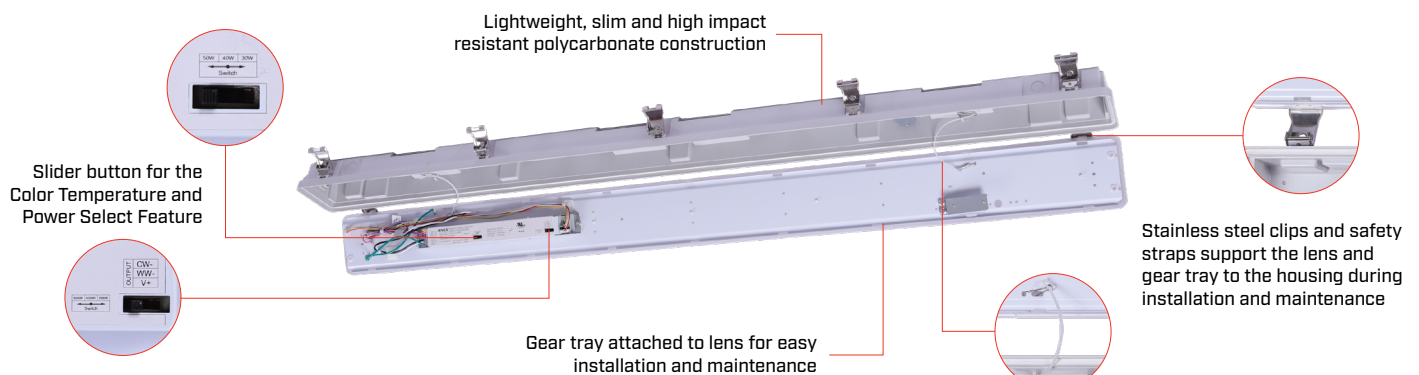
PART NUMBER	WATTS	3 500 K		4 000 K		5 000 K	
		LUMEN OUTPUT [LM]	EFFICACY [LM/W]	LUMEN OUTPUT [LM]	EFFICACY [LM/W]	LUMEN OUTPUT [LM]	EFFICACY [LM/W]
VPL4-3-PS132-3C	30	4 320	144	4 380	146	4 350	145
	40	5 680	142	5 800	145	5 720	143
	50	7 000	140	7 200	144	7 050	141
VPL4-3-PS232-3C	30	4 500	150	4 620	154	4 530	151
	45	6 615	147	6 840	152	6 660	148
	60	8 700	145	9 000	150	8 760	146

DEFAULT PROGRAMMING

VPL4-3-PS132-3C: 50 W / 4 000 K

VPL4-3-PS232-3C: 60 W / 4 000 K

PRODUCT FEATURES



INCLUDED IN THE BOX



VPL4 GEN. 3

ACCESSORIES (ORDER SEPARATELY)

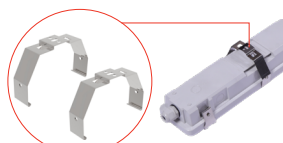
PART NUMBER	TYPE	COMPATIBLE WITH
CAS984-ANG90-KIT	90° Angle Brackets (2pcs)	All configurations
BKT947-TPBKIT	Tamper proof brackets 4' (2pcs)	All configurations
BKT926-4FT ¹	Junction box bracket (1pc)	All configurations
CAS984-SMVH-KIT	Replacement surface mounting brackets and V-Hooks (2pcs)	All configurations
LEN416-4	Replacement 4ft frosted PC lens	All configurations
CAS1024-4-LATCH	Replacement stainless steel latch kit with hole (10pcs)	All configurations
CAS1023-HW	Replacement hardware kit: watertight end caps (2pcs), watertight glands (2pcs), surface mount brackets (2pcs), V-hooks (2pcs) and mounting hardware	All configurations
HAR-1182-WGLAND-GY	Replacement watertight gland (1pc)	All configurations
HAR-1182-CPLUG-GY	Replacement watertight end cap (1pc)	All configurations
DR050C110Q-RUD1-D	Replacement for 30/40/50W driver (1pc)	VPL4-3-PS132-3C
DR060C135Q-RUD1-D	Replacement for 30/45/60W driver (1pc)	VPL4-3-PS232-3C
GTS-VPL4-3-PS1323C ²	Replacement for 30/40/50W internal module (1pc)	VPL4-3-PS132-3C
GTS-VPL4-3-PS2323C ²	Replacement for 30/45/60W internal module (1pc)	VPL4-3-PS232-3C

¹ Accessory requires additional center hole (CH) on top of housing. Fixture maintains wet location status, however NEMA 4X and IP ratings are not applicable with CH. Please see installation instructions for more details

² Replacement for internal module includes all internal components (gear tray, driver, LED boards and wires)



90° Angle Brackets
(set of 2)



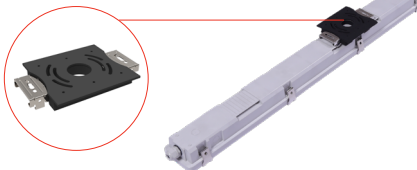
Tamper Proof Brackets
(set of 2)



Replacement Frosted
Polycarbonate Lens



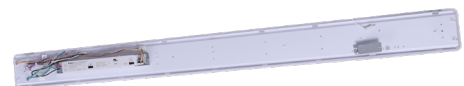
Replacement Latch Kit
with Hole (set of 10)



Junction Box Bracket
(set of 1)



Replacement for
Driver (1pc)



Replacement for
Internal Module (1pc)

COMPATIBLE DIMMERS¹

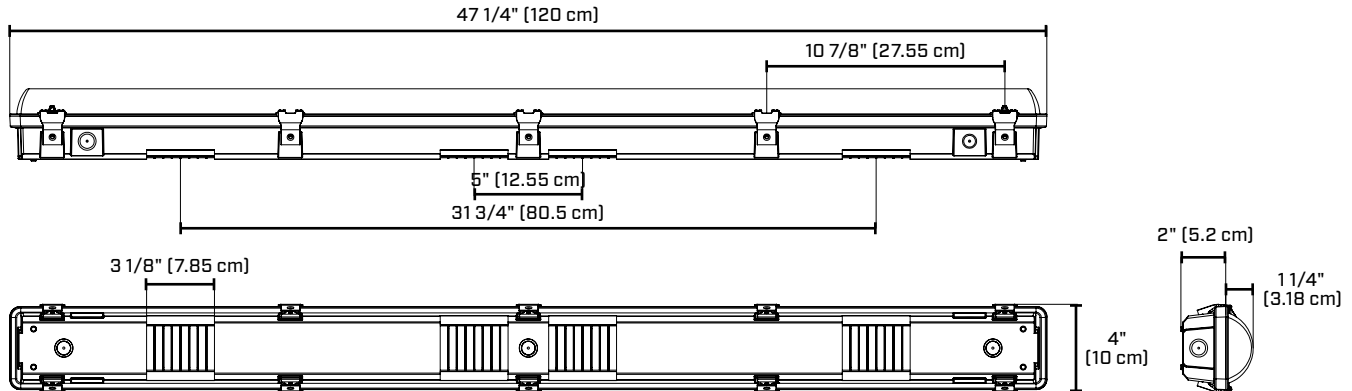
BRAND	MODEL
LEVITON	DS710-10Z, DD710-BDZ, IP710-LFZ
LUTRON	DVSTV-453P, MAESTRO MS-Z101

Dimming range: 10 %-100 %

¹ This table shows dimmers that have been tested and have demonstrated proper operation under normal conditions. Each installation being unique, various factors such as load, common neutrals or other electrical products on the circuit can, in certain instances, cause variance in system performance. Read and comply to the dimmer installation instructions. Consult dimming system manufacturer for additional support in operation. Some dimmers may require more than one product for stable operation. AimLite recommends to use dimmers designed to work with LED products. Older dimmers designed for incandescent products may cause erratic operation.

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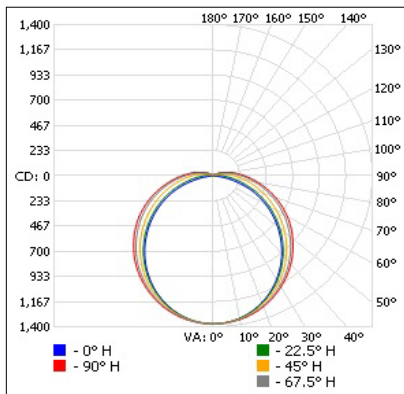
DIMENSIONS



PHOTOMETRIC DATA¹

VPL4-3-PS132-3C • 30 W • 4 000 K • 4 552 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1 059.5	23.3
0-40	1 733.3	38.1
0-60	3 095.3	68
60-90	1 187.4	26.1
70-100	779.7	17.1
90-120	237.2	5.2
0-90	4 282.7	94.1
90-180	269.2	5.9
0-180	4 551.9	100

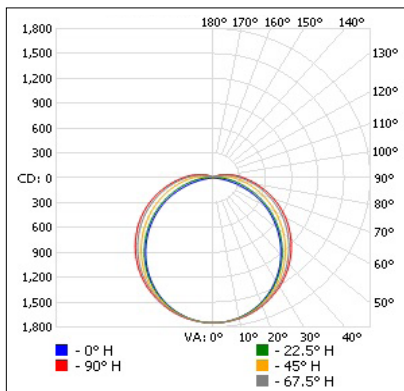
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	475	4.5'	6.9'
3.3'	126	8.7'	13.5'
5.0'	54.9	13.2'	20.4'
6.7'	30.6	17.7'	27.4'
8.3'	19.9	21.9'	33.9'
10.0'	13.7	26.4'	40.8'

■ Vert. Spread: 105.6° ■ Hor. Spread: 127.8°

VPL4-3-PS132-3C • 40 W • 4 000 K • 5 806 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1 353.7	23.3
0-40	2 216.7	38.2
0-60	3 960.3	68.2
60-90	1 509.9	26
70-100	986.9	17
90-120	295.8	5.1
0-90	5 470.2	94.2
90-180	335.3	5.8
0-180	5 805.5	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	605	4.5'	6.9'
3.3'	161	8.8'	13.4'
5.0'	70	13.3'	20.3'
6.7'	39	17.9'	27.2'
8.3'	25.4	22.1'	33.7'
10.0'	17.5	26.7'	40.6'

■ Vert. Spread: 106.3° ■ Hor. Spread: 127.6°

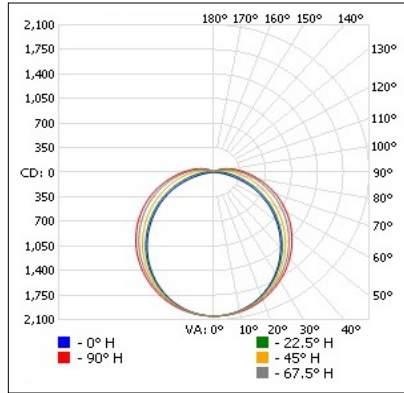
¹ Complete IES files available on our website.

VPL4 GEN. 3

PHOTOMETRIC DATA¹

VPL4-3-PS132-3C • 50 W • 4 000 K • 6 808 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

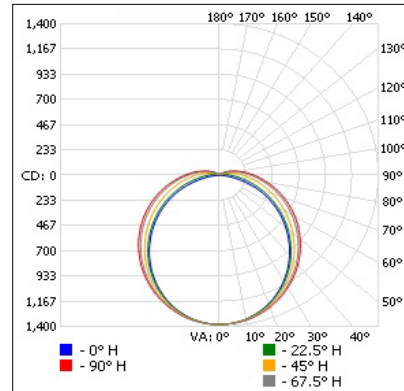
ZONE	LUMENS	% FIXTURE
0-30	1 584.5	23.3
0-40	2 593.3	38.1
0-60	4 634.3	68.1
60-90	1 775.5	26.1
70-100	1 163.8	17.1
90-120	352.1	5.2
0-90	6 409.8	94.1
90-180	398.4	5.9
0-180	6 808.2	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
1.7'	709		4.5'	71'
3.3'	188		8.7'	13.7'
5.0'	82		13.2'	20.8'
6.7'	45.7		17.8'	27.9'
8.3'	29.8		22.0'	34.5'
10.0'	20.5		26.5'	41.6'
■ Vert. Spread: 105.9° ■ Hor. Spread: 128.7°				

VPL4-3-PS232-3C • 30 W • 4 000 K • 4 710 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

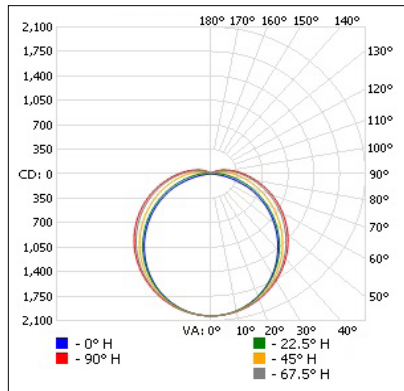
ZONE	LUMENS	% FIXTURE
0-30	1 071.4	22.8
0-40	1 757.1	37.3
0-60	3 154.6	67
60-90	1 249.5	26.5
70-100	837.2	17.8
90-120	271	5.8
0-90	4 404.1	93.5
90-180	305.4	6.5
0-180	4 709.5	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
1.7'	478		4.6'	7.2'
3.3'	127		9.0'	14.0'
5.0'	55.3		13.6'	21.2'
6.7'	30.8		18.2'	28.4'
8.3'	20.1		22.6'	35.2'
10.0'	13.8		27.2'	42.4'
■ Vert. Spread: 107.4° ■ Hor. Spread: 129.5°				

VPL4-3-PS232-3C • 45 W • 4 000 K • 6 920 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1 575.4	22.8
0-40	2 583.6	37.3
0-60	4 639.4	67
60-90	1 834.5	26.5
70-100	1 227.5	17.7
90-120	395.5	5.7
0-90	6 473.9	93.6
90-180	446	6.4
0-180	6 919.9	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
1.7'	703		4.6'	71'
3.3'	187		9.0'	13.8'
5.0'	81.3		13.6'	20.9'
6.7'	45.3		18.3'	28.1'
8.3'	29.5		22.6'	34.8'
10.0'	20.6		27.2'	41.9'
■ Vert. Spread: 107.4° ■ Hor. Spread: 129.0°				

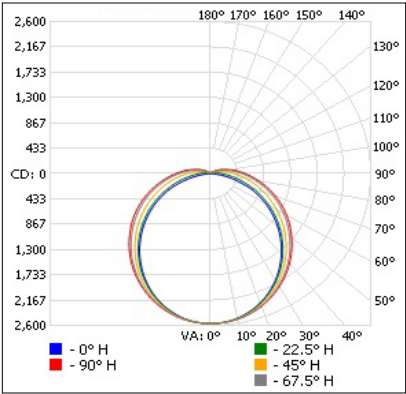
¹ Complete IES files available on our website.

VPL4 GEN. 3

PHOTOMETRIC DATA¹

VPL4-3-PS232-3C • 60 W • 4 000 K • 8 759 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1 992.1	23.3
0-40	3 267.4	38.1
0-60	5 867.8	68.1
60-90	2 323.9	26.1
70-100	1 555.8	17.1
90-120	503.2	5.2
0-90	8 191.7	94.1
90-180	566.9	5.9
0-180	8 758.6	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	888	4.6'	7.2'
3.3'	236	9.0'	13.9'
5.0'	103	13.6'	21.1'
6.7'	57.2	18.3'	28.3'
8.3'	37.3	22.6'	35.1'
10.0'	25.7	27.3'	42.2'

■ Vert. Spread: 107.5° ■ Hor. Spread: 129.3°

¹ Complete IES files available on our website.