

Series Spec Sheet

VT4-L GEN 2

4' LED VAPOR TIGHT With Made To Order Options Optional Emergency Remote

A vandal resistant luminaire with superior light distribution, the VT4-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 AND SPECIFICATIONS

• Applications¹

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

• 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
- 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 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, 120-277 V and 347 V
- 0-10V dimming driver. Dimming cables sold separately, see ordering guide (S1-S4 goes down to 1%)
- 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

- Complies to CSA C22.2 #141-15 (When use with DL option)
- 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 for class A products
- cETL
- DLC Premium, DLC Standard
- BC Hydro



OVERVIEW

Light source	LED
Watts (W)	24 - 51
Lumen output (lm)	3 376 - 7 748
Efficacy (lm/W)	129 - 156
Color temperature (K)	3 000, 3 500, 4 000, 5 000
CRI	80+
Weight (lbs)	8.45

¹ Not recommended for car wash applications.

¹ 5 year warranty for the LINK 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.

ORDERING GUIDE

VT4 — L — — — — —							
Series	Lamp type	Lumen package	CRI	Volts (V)	Color temp. (K)	Options	
VT4	L - LED	S1B - } Refer to the S2B - } technical S3B - } specification S4B - } table for more details	80 - 80+	A - 120 H - 347 W - 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 PVP-05 ⁶ - Rigid mono point on pivot mount bracket with 3/4" center hole and 1/2 NPT PVP-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 S1B, S2B and S3B lumen packages

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

⁴ Fixture functional in AC mode, when power goes off emergency bodine (DL) powers LED boards. One bodine 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)
WWWYCX	Premium	Stairwell and Passageway Luminaires
		Low-Bay Luminaires for Commercial and Industrial Buildings ¹
	Standard	Direct Linear Ambient Luminaires

¹ LS3B 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 (lm)	Efficacy (lm/W)	Lumen (lm)	Efficacy (lm/W)	Lumen (lm)	Efficacy (lm/W)	Lumen (lm)	Efficacy (lm/W)					
S1B	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
S2B	28		4 244	139	4 384	143	4 486	147	4 558	149				0.951	14.3
S3B	33		4 747	145	4 903	150	5 017	153	5 098	156				0.959	13.6
S4B	51		7 215	140	7 453	144	7 626	148	7 748	150				0.948	9.7

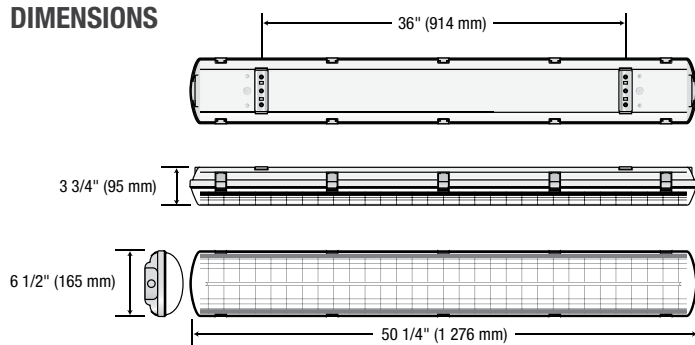
ACCESSORIES (order separately)

Product number	Type
HAR06-TPBIT-UDR	Tamper Proof 2" Steel Power Bit
CAS060-MC-JP ¹	Replacement polycarbonate latch (1pc)
68834 ¹	Stainless steel latch (1pc)

¹ 10 latches are required per fixture

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.

DIMENSIONS



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 and 1/2 NPT RMB-075 Rigid mono point on bracket with 1" center hole and 3/4 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	
RMP-05 Rigid mono point with 3/4" center hole and 1/2 NPT RMP-075 Rigid mono point on bracket with 1" center hole and 3/4 NPT	– Rigid mono point directly on the luminaire with waterproof hub – Conduit not provided	
PVPM-05 Rigid mono point on pivot mount bracket with 3/4" center hole and 1/2 NPT PVPM-075 Rigid mono point on pivot mount bracket with 1" center hole and 3/4 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	
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	

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OCCUPANCY SENSORS

ON-OFF SENSORS

Detection - On at (Detection Area) % during (Hold Time) min. Off

Part number	Position	Volts (V)	Technology	Height (ft)	Detection Area (%)	Hold time (min)	Daylight min level (lux)	Remote ¹	Location ² (°C)
OSE-PO-0301	External	120-347	PIR	20-40	100	20	N/A	N/A	Dry, -10 to +40
OSE-PO-0302	External	120-347	PIR	20-40	100	20	N/A	N/A	Dry, -40 to +40
OSE-PO-0501	External	120-347	PIR	15-40	100	15	3 000	OSI-FSIR-100	Dry, 0 to +40
OSE-PO-0502	External	120-347	PIR	15-40	100	15	3 000	N/A	Dry, 0 to +40
OSE-PO-0701	External	120-277	PIR	20	100	15	N/A	N/A	Wet, -40 to +40
OSI-FO-0301	Internal	120-277	High Frequency	32 max	100	20	Disable	N/A	Dry and wet, -25 to +40
OSI-FO-0601	Internal	120-347	High Frequency	25 max	100	30	Disable	68681	Dry and wet, -35 to +40
OSI-FO-0602	Internal	120-347	High Frequency	25 max	100	15	Disable	68681	Dry and wet, -35 to +40
OSI-FO-0603	Internal	120-347	High Frequency	25 max	100	15	100	68681	Dry and wet, -35 to +40

BI-LEVEL SENSORS

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

Part number	Position	Volts (V)	Technology	Height (ft)	Detection Area (%)	Hold time (min)	Stand-by Dim level (%)	Daylight min level (lux)	Remote ¹	Location ² (°C)
OSE-PB-0202	External	120-347	PIR	20	100	30	40	Disable	OSI-FSIR-100	Wet, -40 to +40
OSI-FB-0301	Internal	120-277	High Frequency	32 max	100	20	30	Disable	N/A	Dry and wet, -25 to +40
OSI-FB-0302	Internal	120-277	High Frequency	32 max	100	20	10	Disable	N/A	Dry and wet, -25 to +40
OSI-FB-0303	Internal	120-277	High Frequency	32 max	100	20	50	Disable	N/A	Dry and wet, -25 to +40
OSE-FB-0402	External	120-347	High Frequency	50 max	100	20	30	50	OSI-RC-MH10	Wet, -35 to +40
OSI-FB-0603	Internal	120-347	High Frequency	25 max	100	15	40	Disable	68681	Dry and wet, -35 to +40
OSI-FB-0604	Internal	120-347	High Frequency	25 max	100	30	40	Disable	68681	Dry and wet, -35 to +40
OSI-FB-0605	Internal	120-347	High Frequency	25 max	100	15	30	Disable	68681	Dry and wet, -35 to +40
OSI-FB-0606	Internal	120-347	High Frequency	25 max	100	15	10	Disable	68681	Dry and wet, -35 to +40

TRI-LEVEL SENSORS

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

Part number	Position	Volts (V)	Technology	Height (ft)	Detection Area (%)	Hold time (min)	Stand-by Dim level (%)	Stand-by period (min)	Daylight min level (lux)	Remote ¹	Location ² (°C)
OSI-FT-0301	Internal	120-277	High Frequency	32 max	100	20	30	10	Disable	N/A	Dry and wet, -25 to +40
OSE-FT-0402	External	120-347	High Frequency	50 max	100	30	30	10	50	OSI-RC-MH10	Wet, -35 to +40
OSI-FT-0601	Internal	120-347	High Frequency	25 max	100	30	30	10	Disable	68681	Dry and wet, -35 to +40

¹ To be ordered separately.

² Min and max ambient temperature of the fixture with the specific sensor. Please verify fixture temperature on the first page for compatibility with sensor.

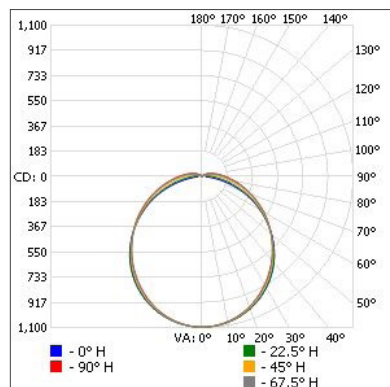
For more settings visit
www.standardpro.com/documentation/technical-information/

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PHOTOMETRIC DATA¹

VT4-LS1B-80-(A/H/W)/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

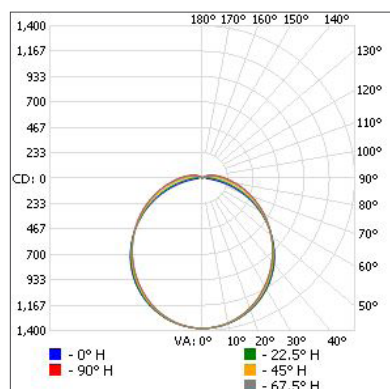
Illuminance at a distance

Center beam fc	Beam width
1.7'	379
3.3'	101
5.0'	43.9
6.7'	24.4
8.3'	15.9
10.0'	11.0

Vert. spread: 113.4°	5.2'	5.4'
Horiz. spread: 116.0°	10.1'	10.6'
	15.2'	16.0'
	20.4'	21.4'
	25.3'	26.5'
	30.5'	32.0'

VT4-LS2B-80-(A/H/W)/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

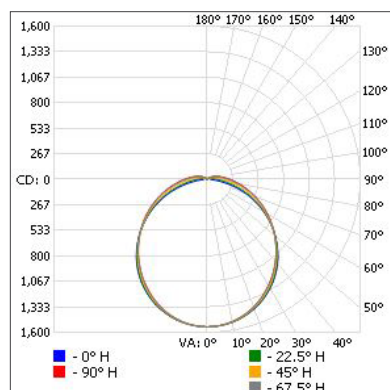
Illuminance at a distance

Center beam fc	Beam width
1.7'	477
3.3'	127
5.0'	55.2
6.7'	30.7
8.3'	20.0
10.0'	13.8

Vert. spread: 113.4°	5.2'	5.4'
Horiz. spread: 116.0°	10.1'	10.6'
	15.2'	16.0'
	20.4'	21.4'
	25.3'	26.5'
	30.5'	32.0'

VT4-LS3B-80-(A/H/W)/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
3.3'	142
5.0'	61.7
6.7'	34.4
8.3'	22.4
10.0'	15.4

Vert. spread: 113.4°	5.2'	5.4'
Horiz. spread: 116.0°	10.1'	10.6'
	15.2'	16.0'
	20.4'	21.4'
	25.3'	26.5'
	30.5'	32.0'

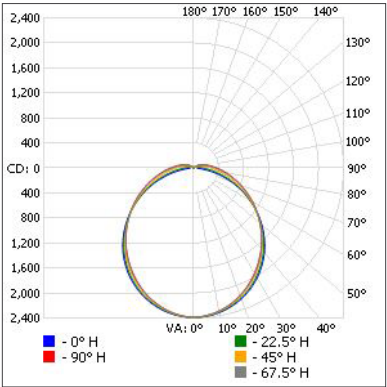
¹ Complete IES files available on our website.

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PHOTOMETRIC DATA¹

VT4-LS4B-80-(A/H/W)/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
3.3'	220
5.0'	95.6
6.7'	53.3
8.3'	34.7
10.0'	23.9

Vert. spread: 112.5°
Horiz. spread: 113.0°

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