STANPRO

Series spec sheet

VT4-L

4' LED VAPOR TIGHT
Feature rich contractor select

A luminaire ideal for a variety of industrial, commercial, vandal resistant and residential applications. Installed either indoors or outside, the VT4-L provides superior light distribution. Intended for applications where moisture and/or dust may be present.

FEATURES AND SPECIFICATIONS

- **Application**[1]
  – 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 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
  – 0-10 V dimming driver standard
  – 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

  Ambient temperature
  -40°C to +40°C
  DL: 0°C to +25°C

  Mounting
  Stainless steel mounting hardware for wall, ceiling or suspended mounting.

- **Compliances**
  – Suitable for damp and wet locations
  – IP65
  – Meets requirements of ICES-005
  – cETL

5 yrs **warranty**   **LED** *fixture*   *wet location*

IP 65   **ICES 005**

cETL Intertek

OVERVIEW

Light source	LED
Watts (W)	28 - 63
Lumen output (lm)	3 310 - 7 982
Efficacy (lm/W)	116 - 136
Color temperature (K)	3 000, 3 500, 4 000, 5 000
CRI	80+
Weight (lbs)	8.45

[1] Not recommended for car wash applications.

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ORDERING GUIDE

| VT4 — | L | | — | | / | | / | |

Series	Lamp type	Lumen package	Volts (V)	Color temp. (K)	Options
VT4	L - LED	S1A - ⎫ S2A - ⎬ Refer to the S3A - ⎬ techinical S4A - ⎭ specification table for more details	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 cord L10 - 10' white power cord L6-BK - 6' black power cord L10-BK - 10' black power cord SS - Stainless steel latches OS [3] - Occupancy sensor DL [4] - Emergency backup 120 V, 120-277 V only TP [5] - Vandal resistant screws HCRI [6] - High CRI 90+ KV - 10 kV Surge protector RMB-05 - For rigid mono point on a bracket with 3/4" (1/2 npt) RMB-075 - For rigid mono point on bracket with 1" (3/4 npt) center hole drilled on bracket RMP-05 - Rigid mono point with 3/4" (1/2 npt) center hole drilled in luminaire RMP-075 - Rigid mono point with 1" (3/4 npt) center hole drilled in luminaire PVPM-05 - Pivot mount bracket with 3/4" (1/2 npt) drilled on bracket PVPM-075 - Pivot mount bracket with 1" (3/4 npt) drilled on bracket PVM - Pivot mount brackets (surface mount ceiling and wall) EH - End hole 7/8" CH - Center hole 7/8" AC - Aviation cable

[1] DIM1 option must select L6, L10, L6-BK or L10-BK.
[2] DIM2 only for LS1A, LS2A and LS3A 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 provided with order. For additional tamper proof bits, see accessories.
[6] HCRI option may decrease lumen output from 15% to 19% depending on the CCT.
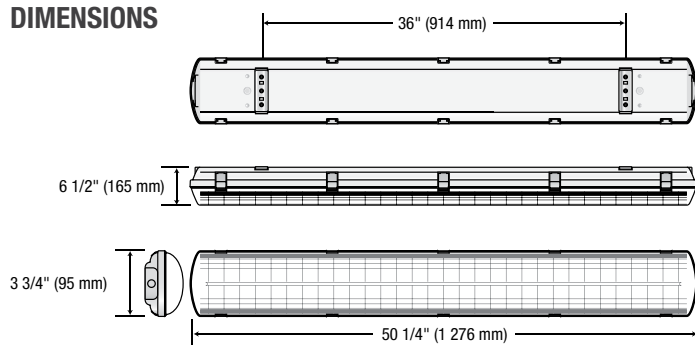
TECHNICAL SPECIFICATION TABLE

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)					
S1A	28		3 310	117	3 390	120	3 486	124	3 610	128				0.97	12
S2A	33	120-277	4 120	124	4 220	127	4 339	131	4 493	136	80+	197 000	10 000	0.98	12
S3A	39	347	4 687	120	4 800	122	4 936	126	5 111	130				0.97	11
S4A	63		7 319	116	7 496	119	7 708	122	7 982	126				0.97	10

ACCESSORIES (order separately)

Product number	Type
HAR06-TPBIT-UDR	Tamper proof 2" Steel Power Bit

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

36" (914 mm)

6 1/2" (165 mm)

3 3/4" (95 mm)

50 1/4" (1 276 mm)

MOUNTING TYPE

SUSPENDED (standard)	– V hooks included – Can be suspended with cable or chain (provided by others)	
SURFACE (standard)	– Surface ceiling brackets included	

RMB-05
Rigid mono point on a bracket
with 3/4" (1/2npt)
 	
RMB-075
Rigid mono point on bracket with 1"
(3/4npt) center hole drilled on bracket
	– Rigid mono point (with bracket support)
	– Bracket can be predrilled for 1/2'' or 3/4'' NPT,
	  select appropriate compatible size.
	  Should additional hole on top of luminaire be required,
	  select CH option. (stem provided by others)	

RMP-05
Rigid mono point with 3/4" (1/2npt)
center hole drilled in luminaire
 	
RMP-075
Rigid mono point with 1" (3/4npt)
center hole drilled in luminaire
	– Rigid mono point (pipe through luminaire)
	– Luminaire can be predrilled for 1/2" or 3/4" NPT,
	  select appropriate compatible size.
	  A waterproof hub will be provided to preserve IP rating
	  of the fixture. (Stem provided by others)	

PVPM-05
Pivot mount bracket with 3/4" (1/2npt)
drilled on bracket
 	
PVPM-075
Pivot mount bracket with 1" (3/4npt)
drilled on bracket
	– Two pivot mount brackets installed on rigid mount
	  bracket support. Bracket can be predrilled for 1/2" or
	  3/4" NPT, select appropriate compatible size. Should
	  additional hole on top of luminaire be required, select
	  desired CH option. (Stem provided by others)	

PVM Pivot mount brackets (surface mount)	– Two pivot mount brackets attached to ceiling mount brackets provided with luminaire (surface mount)	

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OCCUPENCY 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	NA		Dry, -10 to +40
OSE-PO-0302	External	120-347	PIR	20-40	100	20	NA		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		Dry, 0 to +40
OSE-PO-0701	External	120-277	PIR	20	100	15	NA		Wet, -40 to +40
OSI-FO-0301	Internal	120-277	High Frequency	32 max	100	20	Disable		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)
OSI-FB-0301	Internal	120-277	High Frequency	32 max	100	20	30	Disable		Dry and wet, -25 to +40
OSI-FB-0302	Internal	120-277	High Frequency	32 max	100	20	10	Disable		Dry and wet, -25 to +40
OSI-FB-0303	Internal	120-277	High Frequency	32 max	100	20	50	Disable		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		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 DATA[1]

VT4-LS1A-(H/W)/40K • 3 484.9 lm

Polar candela distribution

Legend: - 0° H, - 22.5° H, - 90° H, - 45° H, - 67.5° H
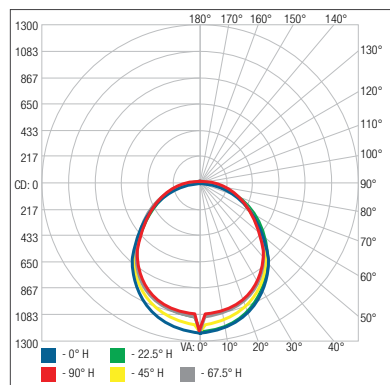
Zonal lumen summary

Zone	Lumens	% Fixture
0-30	906.2	26
0-40	1 480.7	42.5
0-60	2 578.0	74
60-90	784.5	22.5
70-100	449.5	12.9
90-120	106.3	3
0-90	3 362.5	96.5
90-180	122.5	3.5
0-180	3 484.9	100

Illuminance at a distance

	Center beam fc		Beam width	
1.7'	427		4.6'	4.3'
3.3'	113		9.0'	8.3'
5.0'	49.4		13.6'	12.5'
6.7'	27.5		18.2'	16.8'
8.3'	17.9		22.6'	20.8'
10.0'	12.4		27.2'	25.0'

Vert. spread: 107.3°
Horiz. spread: 102.7°

VT4-LS2A-(H/W)/40K • 4 337.4 lm

Polar candela distribution

Legend: - 0° H, - 22.5° H, - 90° H, - 45° H, - 67.5° H
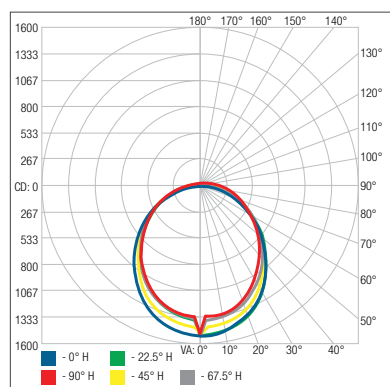
Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 109.1	25.6
0-40	1 797.0	41.4
0-60	3 108.1	71.7
60-90	1 008.1	23.2
70-100	629.4	14.5
90-120	192.5	4.4
0-90	4 116.3	94.9
90-180	221.2	5.1
0-180	4 337.4	100

Illuminance at a distance

	Center beam fc		Beam width	
1.7'	526		4.5'	4.1'
3.3'	140		8.7'	7.9'
5.0'	60.8		13.2'	12.0'
6.7'	33.9		17.6'	16.0'
8.3'	22.1		21.9'	19.9'
10.0'	15.2		26.3'	24.0'

Vert. spread: 105.6°
Horiz. spread: 100.3°

VT4-LS3A-(H/W)/40K • 5 198.8 lm

Polar candela distribution

Legend: - 0° H, - 22.5° H, - 90° H, - 45° H, - 67.5° H
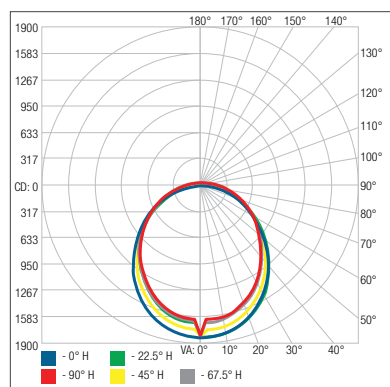
Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 339.6	25.8
0-40	2 167.6	41.7
0-60	3 741.2	72
60-90	1 195.8	23
70-100	743	14.3
90-120	226.2	4.4
0-90	4 937.0	95
90-180	261.8	5
0-180	5 198.8	100

Illuminance at a distance

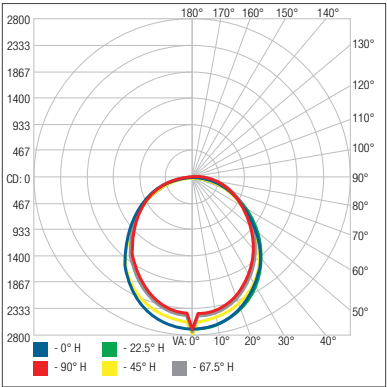|	Center beam fc		Beam width	
1.7'	637		4.4'	4.0'
3.3'	169		8.6'	7.8'
5.0'	73.6		13.1'	11.9'
6.7'	41.0		17.5'	15.9'
8.3'	26.7		21.7'	19.7'
10.0'	18.4		26.2'	23.8'

Vert. spread: 105.2°
Horiz. spread: 99.9°

[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.
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PHOTOMETRIC DATA[1] (cont'd)

VT4-LS4A-(H/W)/40K • 7 706.4 lm

Polar candela distribution

Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 966.8	25.5
0-40	3 184.6	41.3
0-60	5 513.3	71.5
60-90	1 788.7	23.2
70-100	1 118.3	14.5
90-120	347.4	4.5
0-90	7 302.0	94.8
90-180	404.3	5.2
0-180	7 706.4	100

Illuminance at a distance

	Center beam fc		Beam width	
1.7'	935		4.5'	4.1'
3.3'	248		8.7'	7.9'
5.0'	108		13.3'	12.0'
6.7'	60.2		17.8'	16.1'
8.3'	39.2		22.0'	19.9'
10.0'	27.0		26.5'	24.0'

Vert. spread: 105.9°
Horiz. spread: 100.3°

[1] Complete IES files available on our website.

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