

Project:		Type:
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Orawn by:	Catalogue #:	Date:

# VTS4-L

# COMPACT LED VAPOUR TIGHT

# Economical contractor select for demanding environments

A luminaire ideal for a variety of applications where moisture and/or dust may be present. Installed either indoors or outdoors, the VTS4-L provides superior light distribution. This corrosion proof, enclosed gasketed IP66 luminaire has a narrow footprint and can be installed in demanding environments where high-efficiency is required.

# 1 3 1 1

# **FEATURES AND SPECIFICATIONS**

# Applications¹

- Industrial, commercial, residential, dusty, wet or damp environments
- Parking garages
- Subways
- Stairwells
- Elevator shafts
- Road Tunnels
- Schools
- Canopies
- Sporting applications
- Garden centers
- Storage rooms
- Airports

# Construction

# Housing

- A narrow, 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 snap clips lock the luminaire together
- The UV stabilized polycarbonate housing is impervious to rust or rot and is unaffected by extreme temperatures.
- Sealed strain relief/cable gland kit included power connection is easily accomplished through predrilled hole at one end of the housing that comes populated with a wet location watertight gland

# Lens

UV stabilized frosted polycarbonate lens with LED diffusing pigment.

## Specifications

Colour consistency (SDCM) is 4 step MacAdam ellipse.

- 120-277 V and 347 V available
- 0-10 V dimming standard

# Ambient temperature

-20° to +35°C

# Built in surge protection

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.

## Mounting

Standard Stainless steel mounting hardware for wall, ceiling and brackets for suspended mounting.

### Compliances

- Suitable for damp and wet location
- IP65
- IP66
- IK08 rating offering protection against 5 joules impact. Equivalent to impact of 1.7 kg mass dropped from 295 mm above impacted surface
- Meets requirements of ICES-005
- cULus Certified
- UL1598, UL8750





ship





location











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.

# **OVERVIEW**

Light source	LED
Watts (W)	41 - 43
Lumen output (Im)	5 039 - 5 427
Efficiency (Im/W)	120 - 126
Color temperature (K)	4 000, 5 000
CRI	80 +
Weight (lbs)	8

<sup>1</sup> Not recommended for car wash applications.



# QUICK SHIP AND TECHNICAL SPECIFICATION TABLE : 1

Part number	DLC unique ID	Watts (W)	Volts (VAC)	Color temp. (K) <sup>2</sup>	Lumen output (lm) <sup>3</sup>	Efficiency (Im/W)	CRI	Life L70 (hrs)4	Tested hours LM-80 (hrs) <sup>4</sup>	Dimming (V)	Power factor	THD (%)
VTS4-LS3-W/40K	PLQX3I2PKNQS	43	120-277	4 000	5 125	120	80+	170 000	6 000	0-10	0.92	24
VTS4-LS3-W/50K	PLIEAA280B7E	43	120-277	5 000	5 427	126	+08	170 000	6 000	0-10	0.92	23
VTS4-LS3-H/40K	PLNF2JV9GJX3	41	347	4 000	5 039	123	<del>80+</del>	170 000	6 000	0-10	0.95	8

<sup>1</sup> QUICK SHIP: Product availability is subject to change without notice. Please contact your Stanpro customer service representative to confirm inventory levels at time of order.

# **ACCESSORIES** (order separately)

Part number	Туре
HAR1023	Aircraft suspension cables (10')
CAS928-LATCH-SS	Stainless steel latch (1pc) <sup>1</sup>

<sup>1 10</sup> Latches are required per fixture.

# **COMPATIBLE DIMMERS**

Brand	Model number
LUTRON	DVSTV-HX DIVA 8 AMP 3-WAY/SINGLE -POLE 0-10V DIMMER
Eaton	Controls DF10P-CI DECORATOR 0-10V DIMMER
COOPER	SF10P-W
LUXDRIVE	DIMMING CONTROL - 0-10V LOW VOLTAGE WALL MOUNT CONTROL
LUTRON	DVTV-WH DIVA 30mA SINGLE POLE 0-10V FLUORESCENT DIMMER
LEVITON	DS710-10Z

Dimming range 10%-100%

NOTE: The above 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. Standard recommends to use dimmers designed to work with LED products. Older dimmers designed for incandescent products may cause erratic operation. Some dimmers may require more than one product for stable operation. The maximum number of products is determined by the dimmer wattage rating with LEDs. Be careful, these dimmers have different ratings depending on the product type. Again, refer to the dimmer installation instructions.

# **MOUNTING TYPE**

Suspended (standard)	<ul> <li>V hooks included</li> <li>Can be suspended with cable or chain (provided by others)</li> </ul>	
Surface (standard)	Surface ceiling brackets included	

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.



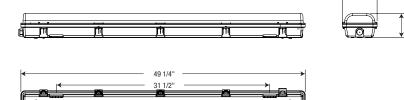
<sup>&</sup>lt;sup>2</sup> Typical color temperature range: +/- 5 %.

<sup>&</sup>lt;sup>3</sup> Lumen values are derived from photometric testing. Initial lumens range: +/- 10 %.

<sup>&</sup>lt;sup>4</sup> Life hours are derived from IESNA LM-80-08 testing report and projected per IESNA TM-21-11 extrapolations.



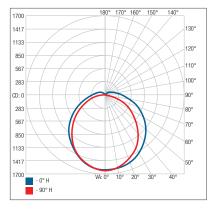
# **DIMENSIONS**



# PHOTOMETRIC DATA<sup>1</sup>

# VTS4-LS3-(H/W)-40K • 5 200 Im

# Polar candela distribution



# **Zonal lumen summary**

Zone	Lumens	Lamp %	% Fixture
0-30	1 193.2	22.9	22.9
0-40	1 951.0	37.5	37.5
0-60	3 481.4	66.9	67
60-90	1 307.0	25.1	25.1
70-100	854.3	16.4	16.4
90-120	327	6.3	6.3
0-90	4 788.4	92.1	92.1
90-180	411.3	7.9	7.9
0-180	5 199.7	100	100

# Illuminance at a distance

	Center beam fc		Beam width		
1.7'	534		6.6'	4.4'	
3.3'	142		12.9'	8.5'	
5.0'	61.7		19.5'	12.9'	
6.7'	34.4		26.1'	17.3'	
8.3'	22.4		32.3'	21.4'	
10.0'	15.4		39.0'	25.8'	
	Vert. spread: Horiz. spread:	125.7° 104.3°			

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<sup>&</sup>lt;sup>1</sup> Complete IES files available on our website.