

VT5

LED Vaportite

Product Description

The VT5 LED Linear Vaportite is designed to give long lasting, energy efficient light in demanding locations. The VT5 is provided with CCT and lumen output selectable options with the choice of 3500K, 4000K, or 5000K CCTs and low, medium, and high lumen output. It is also DLC 6.0 premium certified, ensuring top of the line quality and performance. This IP66 rated fixture is dust and water tight and replaces legacy fluorescent strip lights in car wash operations, garages, maintenance facilities, canopies, locker rooms and stairwells.

Construction

- Fully gasketed polycarbonate housing
- Captive stainless steel latches ensure a water tight seal
- Fully sealed light chamber keeps LEDs sealed during installation

Optical System

- UV stabilized, frosted polycarbonate lens
- Wrapped lens provides 5% uplight
- 80+ CRI

Electrical

- Input voltage of 120-277VAC
- Wattage selector switch and CCT selector switch on driver and in body
- Continuous dimming with dim-to-off via 0-10VDC controls
- Optional, factory installed, 4W, 8W and 18W EM packs available
- Power factor > 0.95
- THD < 7%
- Luminaire surge protection level: designed to withstand up to 2.5kV ring wave per ANSI C82.77-5-2017 requirements for Indoor Hard-wired and Indoor Portable Luminaires

Controls

- Internal microwave motion sensor option available
- External microwave or PIR motion sensor option available
- NICOR NLC compatible Microwave Motion Sensor option available
- 12V output from driver to power NICOR sensors
- Sensors have occupancy detection and daylight harvesting

Mounting and Installation

- Toolless surface mount installation via spring-steel clips
- Clips contain mounting feature for cable/chain suspension
- Can be surface mounted to walls and ceilings for application variability
- Drill through knockouts available: 3 on back, 1 opposite end of sensor socket
- Operating temperature range:
 - -40°F to 113°F (-40°C to 45°C) when surface mounted
 - -40°F to 122°F (-40°C to 50°C) when suspended at least 18" from ceiling.
- For installations where power surge may be possible, NICOR recommends installing additional surge protection at the electrical distribution panel

Listings

- cETLus 1598 Listed for wet locations
- IP66 Rated (IP65 only when using external sensor)
- RoHS Compliant
- DLC 6.0 Premium compliant
- Meets FCC Part 15, Subpart B, Class A standards for conducted and radiated emissions
- TM-21 Reported L70(9k) life >50,000 hours
- LM-79, LM-80 testing performed in accordance with IESNA standards

Warranty

- 5-year limited system warranty standard
- Warranty does not cover product failure due to an over-voltage event (power surge)

Project

Catalog

Type

Date



VT5
LED Adjustable Vapor Tight
Wattage Selectable
CCT Selectable



NICOR®

VT5

LED Vaportite

Ordering

Ordering Information								Example: VT5446SUS8
Series	Version	Length	Wattage	Voltage	Selectable CCT	CRI	Sensor	Emergency
VT	5	2 (2 feet)	26S (26/21/17W)	U (120-277 VAC)	S (35/40/50K)	8 (80 CRI)	S (sensor socket)	Blank (none)
		4 (4 feet)	46S (46/40/34W)					E1 (4W) ¹
		8 (8 feet)	80S (80/68/52W)					E2 (8W) ²
								E3 (18W) ³

1. Available on 2ft fixture only

2. Available on 4ft fixture only

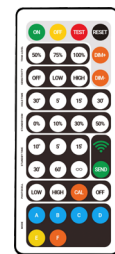
3. Available on 8ft fixture only

Specifications and dimensions subject to change without notice.

Sensor Accessories	Accessories sold separately
Remote Control for Snap In Sensor	SNAPINMWREMOTE
External Microwave Motion Sensor	H12V3SENSORMW1PWH
External PIR Motion Sensor	H12V3SENSORPIR1PWH
External NLC PIR Motion Sensor	NLCSPEJ1WH-LHW
Adjustable arm for External Sensors	H12V2ADJARM1WH
Remote Control for External Sensors	H12V2REMOTE
NLC Microwave Motion Sensor Kit	SENSORMWBT1KIT
Snap-in Microwave Motion Sensor Kit	SENSORKITMW1WH



SNAPINSENSORMW



SNAPINMWREMOTE



H12V2ADJARM1WH



H12V2REMOTE



SENSORMWBT1KIT



H12V3SENSORPIR1PWH



H12V3SENSORMW1PWH



NLCSPEJ1WH-LHW

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Performance Data

Performance Data						Emergency Pack Performance Data		
Model	Output Setting	Nominal CCT	Lumens	Max Watts	Efficiency	E1 Lumens	E1 Lumens	E1 Lumens
VT5226S	Low	3500	2563	16.5	155.3	621	-	-
		4000	2555		154.8	619	-	-
		5000	2622		158.9	636	-	-
	Med	3500	3217	21.3	151.0	604	-	-
		4000	3211		150.8	603	-	-
		5000	3278		153.9	616	-	-
	High	3500	3881	26.4	147.0	588	-	-
		4000	3873		146.7	587	-	-
		5000	3940		149.2	597	-	-
VT5446S	Low	3500	5064	33.2	152.5	-	1220	-
		4000	5326		160.4	-	1283	-
		5000	5226		157.4	-	1259	-
	Med	3500	6078	40.5	150.1	-	1201	-
		4000	6340		156.5	-	1252	-
		5000	6230		153.8	-	1231	-
	High	3500	7048	48.0	146.8	-	1175	-
		4000	7310		152.3	-	1218	-
		5000	7200		150.0	-	1200	-
VT5880S	Low	3500	8052	51.5	156.3	-	-	2814
		4000	8452		164.1	-	-	2954
		5000	8337		161.9	-	-	2914
	Med	3500	10104	66.0	153.1	-	-	2756
		4000	10556		159.9	-	-	2879
		5000	10441		158.2	-	-	2848
	High	3500	11792	78.7	149.8	-	-	2697
		4000	12245		155.6	-	-	2801
		5000	12130		154.1	-	-	2774

VT5

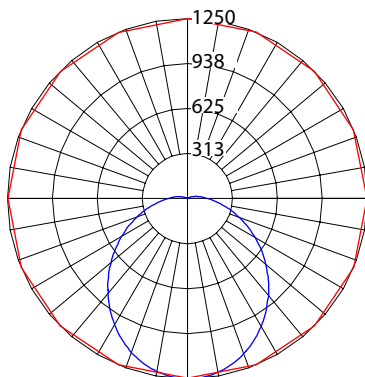
LED Vaportite

Photometric Data

VT52

3500K, High Output

Input Voltage (VAC)	120-277
System Level Power (W)	26.4
Delivered Lumens (Lm)	3881
System Efficacy (Lm/W)	147.0
Correlated Color Temp (K)	3484
Color Rendering Index (CRI)	82
Beam Angle (0)	102.0
Beam Angle (90)	119.1
Spacing Criteria (0)	1.19
Spacing Criteria (90)	1.24



Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
8	21.5	21.7
10	13.8	27.2
12	9.5	32.6
14	7.0	38.0

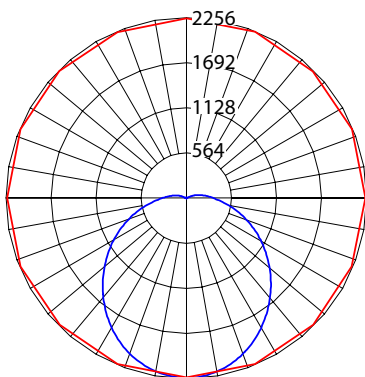
Data Multiplier

VT52			
	35K	40K	50K
Low	0.660	0.658	0.676
Med	0.829	0.827	0.845
High	1.000	0.998	1.015

VT54

3500K, High Output

Input Voltage (VAC)	120-277
System Level Power (W)	48.0
Delivered Lumens (Lm)	7048
System Efficacy (Lm/W)	146.8
Correlated Color Temp (K)	3520
Color Rendering Index (CRI)	82
Beam Angle (0)	102.3
Beam Angle (90)	120.9
Spacing Criteria (0)	1.20
Spacing Criteria (90)	1.28



Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
8	38.7	21.7
10	24.7	27.2
12	17.1	32.6
14	12.6	38.0

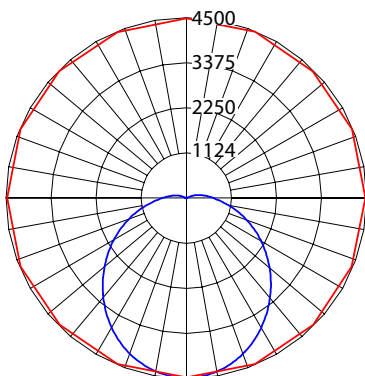
Data Multiplier

VT54			
	35K	40K	50K
Low	0.718	0.755	0.741
Med	0.862	0.899	0.884
High	1.000	1.037	1.021

VT58

3500K, High Output

Input Voltage (VAC)	120-277
System Level Power (W)	78.7
Delivered Lumens (Lm)	11792
System Efficacy (Lm/W)	149.8
Correlated Color Temp (K)	3491
Color Rendering Index (CRI)	82
Beam Angle (0)	102.3
Beam Angle (90)	120.9
Spacing Criteria (0)	1.20
Spacing Criteria (90)	1.28



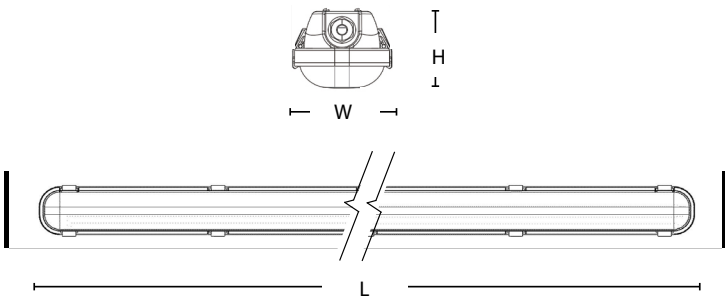
Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
8	64.7	21.7
10	41.4	27.2
12	28.7	32.6
14	21.2	38.0

Data Multiplier

VT58			
	35K	40K	50K
Low	0.683	0.717	0.707
Med	0.857	0.895	0.885
High	1.000	1.038	1.029

Dimensions



Dimension Data			
Model	Length	Width	Height
2'	23.6 in (600 mm)	3.77 in (95.8 mm)	3.15 in (80 mm)
4'	47.25 in (1200 mm)	3.77 in (95.8 mm)	3.15 in (80 mm)
8'	94.5 in (2400 mm)	3.77 in (95.8 mm)	3.15 in (80 mm)

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.