VT4
LED Vaportite

Project

Catalog

Type

Date

Product Description

The VT4 LED Linear Vaportite is designed to give long lasting, energy efficient light in demanding locations. The VT4 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 5.1 Standard 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 on driver, CCT selector switch in body
• Dim-to-off via 0-10VDC controls
• Optional, factory installed, 8W and 18W EM packs available
• Power factor > 0.95
• THD < 6%
• 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
• Optional microwave sensor installs behind lens
• 12V output from driver to power NICOR sensor

Mounting and Installation
• Toolless surface mount installation via spring-steel clips
• Clips contain mounting feature for cable suspension
• Can be surface mounted to walls and ceilings for application variability
• Drill through knockouts available: 3 on back, 1 on each end
• Operating temperature range:
  • -40°F to 113°F (-40° to 45°C) when surface mounted
  • -40°F to 122°F (-40° 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
• UL94 5VA flame classification
• IP66 Rated
• RoHS Compliant
• DLC 5.1 Standard 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
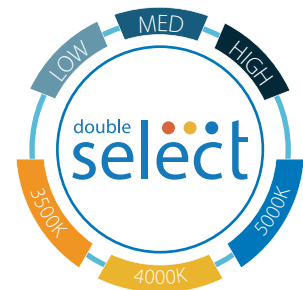
Warranty
• 5-year limited system warranty standard
• Warranty does not cover product failure due to an overvoltage event (power surge)

VT4
LED Adjustable Vapor Tight
Wattage Selectable
CCT Selectable

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VT4
LED Vaportite

Ordering

Ordering Information						*Example: VT4454SUNVS8*
Series	**Version**	**Length & Selectable Output**	**Voltage**	**Selectable CCT**	**Sensor**	**Emergency**[1]
VT	**4** (Version 4)	**454S** (4 feet, 45/38/34W)	**UNV** (120-277 VAC)	**S8 (35/40/50K)**	Blank (none)	Blank (none)
					M (microwave)	**E2** (8W)
						E3 (18W)

Specifications and dimensions subject to change without notice.

Accessories

Snap In Microwave Motion Sensor	SNAPINSENSORMW
Remote Control for Snap In Sensor	SNAPINMWREMOTE

Performance Data

		Performance Data				Emergency Pack Performance Data		
Model	**Output Setting**	**Nominal CCT**	**Lumens**	**Max Watts**	**Efficiency**	**E1 Lumens**	**E2 Lumens**	**E3 Lumens**
VT4454S	Standard	3500	5364		144.2	–	1154	2596
		4000	5678	37.2	152.6	–	1221	2747
		5000	5544		149.0	–	1192	2682
	Medium	3500	6256		140.6	–	1125	2531
		4000	6623	44.5	148.8	–	1190	2678
		5000	6466		145.3	–	1162	2615
	High	3500	7523		134.6	–	1077	2423
		4000	7964	55.9	142.5	–	1140	2565
		5000	7776		139.1	–	1113	2504

Photometric Data

VT44 3500K High Output

Input Voltage (VAC)	120-277
System Level Power (W)	55.8
Delivered Lumens (Lm)	7523
System Efficacy (Lm/W)	133.7
Correlated Color Temp (K)	3403
Color Rendering Index (CRI)	82
Beam Angle (0)	107.3
Beam Angle (90)	98.6
Spacing Criteria (0)	1.22
Spacing Criteria (90)	1.22

2690
2017
1345
672
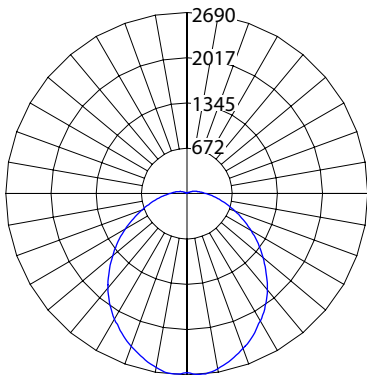
Cone of Light Tabulation		
Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
8	41.3	21.7
10	26.4	27.2
12	18.3	32.6
14	13.5	38.0

Data Multiplier			
	VT44		
	35K	40K	50K
Low	0.713	0.755	0.737
Med	0.832	0.880	0.860
High	1.000	1.059	1.034

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Dimensions
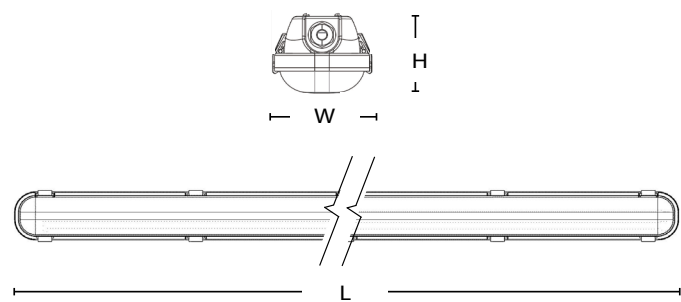
Dimension Data

Model	Length	Width	Height
4'	47.25 in (1200 mm)	3.77 in (95.8 mm)	3.15 in (80 mm)

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