

# NICOR<sup>®</sup> | LED

## Vaportite Series

VT1 | VT2

### Warehouse Locations

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# NICOR<sup>®</sup> | LED

Rugged LED lighting for wet and harsh environments



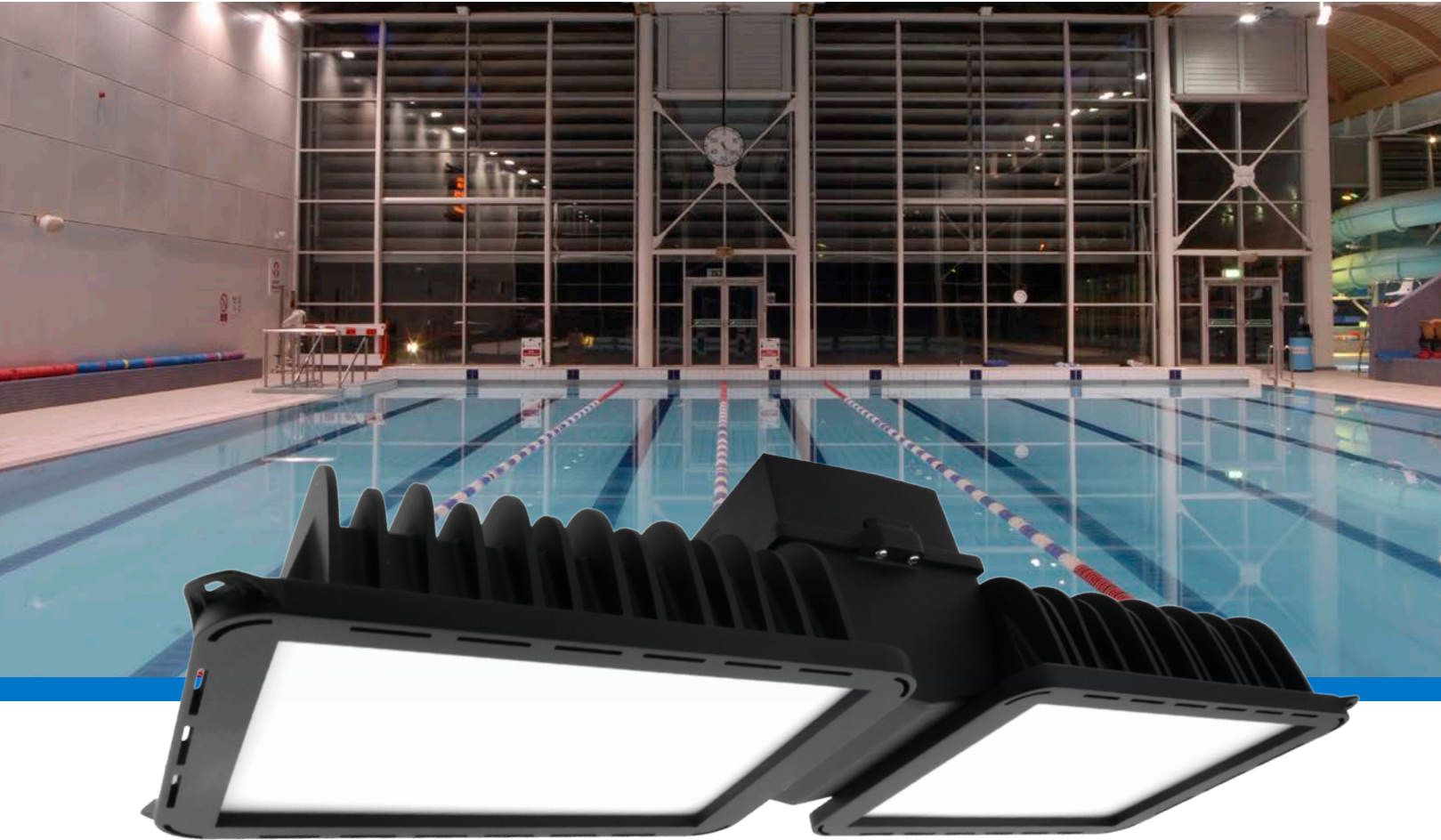
## Designed to maximize light distribution and withstand the harshest of conditions

NICOR LED offers a selection of DesignLights Consortium (DLC)-qualified LED Vaportite Luminaires engineered for powerful lighting in wet and harsh environments. LED technology provides significant savings and improved light output over fluorescent and HID luminaires in industrial environments that often involve grease, oil, smoke, dust or steam, which can minimize lighting efficiency. With advanced, engineered optics and an IP66 rating, both for the fixture and the LEDs, NICOR has designed a series of lighting solutions specifically for wet and harsh environments. These fixtures not only provide a higher quality energy-efficient light, but also help to create safe environments. They are a perfect choice for processing plants, industrial facilities, cold storage factories, wash down areas, loading docks, agricultural buildings, and other areas affected by weather exposure and high traffic.

**NICOR**<sup>®</sup>  
Shine Brighter<sup>™</sup>

# VT1

## LED Extreme Environment Vaportite



The VT1 LED Vaportite luminaire is best used in extreme and harsh environments where exposure is detrimental to the life of the luminaire.

### High Thermal Conductivity

High thermal conductivity that easily extracts heat away from the light source.

### Water Management

Beveled housing allows water to run off easily and weep holes enables drainage.



### Uniform Glare-Free Illumination

High efficiency, micro-prismatic diffuser optically engineered to eliminate hot spots for uniform, glare-free illumination.

### Advance LED Technology

Utilizes advanced, high efficacy, mid-power LEDs and equipped with a 0-10V continuous dimming driver to maximize savings.

### Impact Resistance

Junction box specifically designed for impact resistance.

### Custom-Engineered Polymers

Constructed from custom-engineered polymers, designed to be thermally conductive, UV resistant, and able to withstand moisture, dust and harsh environments including salt spray, acids and bases.

### Corrosion Resistance

No exposed metal except for Marine-grade stainless steel screws for corrosion resistance.



### Available in 5000K

5000K advantage creates a whiter, more vibrant environment, with a higher S/P ratio, which reduces processing errors and increases workplace safety and productivity.



As the first of its kind, the VT1 LED Extreme Environment Vaportite fixture was specifically engineered using thermally conductive polymers for corrosion and UV resistance in harsh environments able to withstand moisture, dust and salt spray. This high efficiency luminaire, weighing only 5 pounds, delivers over 100 lumens per watt. It offers both a 3700 and 7000 lumen package and replaces traditional 32 watt T8 fixtures. It's ideal for use in marine facilities, natatoriums, industrial facilities, food processing plants, livestock farming, waste water treatment plants, cold storage, parking garages, wash down areas, tunnels and subways, construction sites, airports and other harsh environment applications.

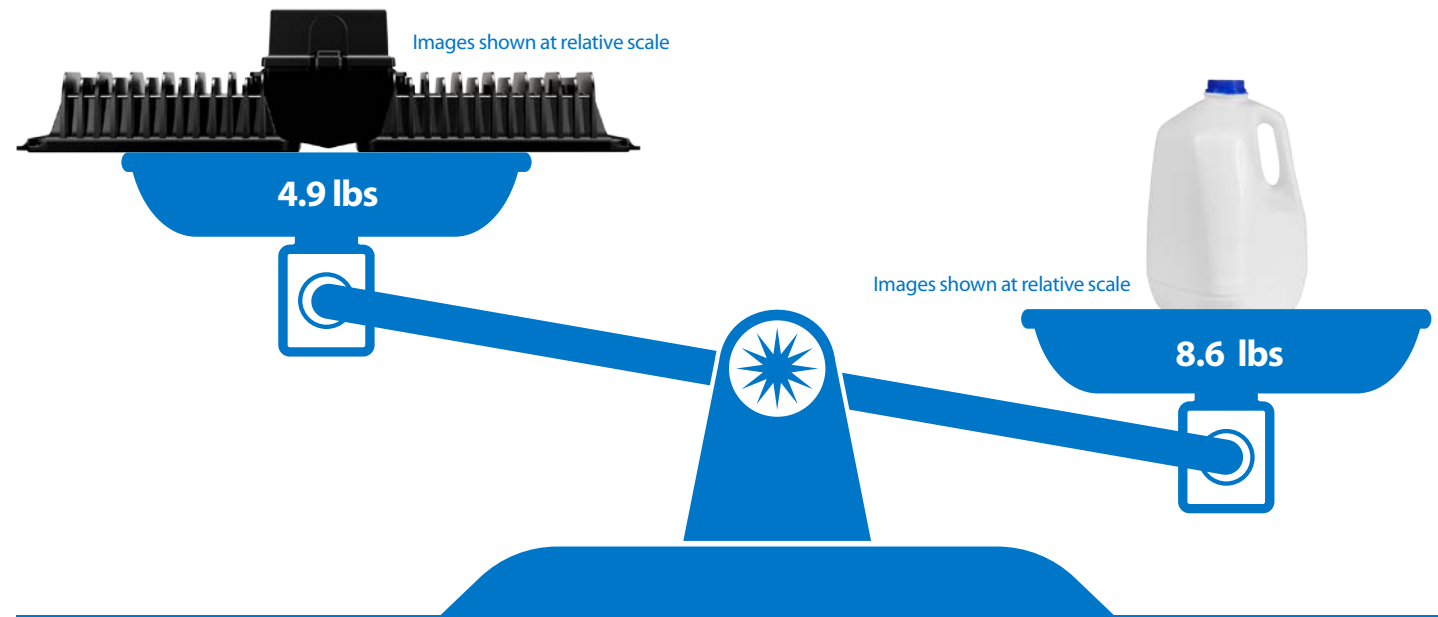
2015 LIGHTFAIR International Innovation Award Winner in the Industrial, Vandal, Emergency and Exit category

# VT1

## Lightweight and compact

**VT1 Extreme Environment LED Vaportite**  
Extremely lightweight at less than 5 lbs on the standard model, which allows for easy one-person installation

**Milk 1 Gallon**  
The VT1 is lighter than a gallon of milk which weighs 8.6 lbs



### Easy Installation & Flexible Mounting Options

Mounting options include surface, pendant, conduit and aircraft cable. Setting itself apart from other vaportites, the VT1's small body size allows for a multitude of lighting layout designs and applications. A maintenance-free, fully sealed chamber keeps out bugs and dust.



**VT1 Suspended Mount**  
Aircraft Cable allows for a suspended mount application



**VT1 Pendant Mount**  
Drillable J-box allows for a pendant mount application



**VT1 Surface Mount**  
Drillable J-box allows for a surface mount application

# VT1 and VT2

## At a glance vaportite comparison



- IP66 rated** *for high-pressure spray down*
- 1598A rated** *for marine salt spray environments*
- UV Resistant**
- Meets IK08 Impact Resistance**
- NSF** *Meets national food health standards*
- DLC Qualified**
- Mounting Options**
- Lumen Options**
- Watts**
- Dimensions**
- Weight**
- Dimming**
- Projected LED Lifetime**
- Warranty**
- Specifications**

**VT1**  
LED Extreme Environment Vaportite

- ✓
- ✓
- ✓
- ✓
- ✓
- ✓
- Suspended, Pendant, Surface
- 3700 or 7000
- 35W or 65W
- 22" long x 7.6" wide x 5.2" tall
- 4.9 lbs or 5.6 lbs
- 0-10V
- >73,000 hrs
- 5 Years



**VT2**  
LED Wet Location Linear Vaportite

- ✓
- ✓
- ✓
- ✓
- ✓
- ✓
- Suspended, Surface
- 2000 or 4300
- 22W or 48W
- 2' or 4' long x 4.3" wide x 3.4" tall
- 4 lbs or 6.6 lbs
- Non dimmable
- >54,000 hrs
- 5 Years



# VT2

## LED Wet Location Linear Vaportite



The VT2 Wet Location Linear Luminaire is designed to deliver the efficiency and crisp light quality of the latest LED technology and is suitable for both indoor and outdoor applications. Available in 2' and 4' sizes and offering over 90 Lumens per watts, this linkable fixture also provides both a high output lumen package of 4300 and a lower lumen output package of 2000 lumens. The VT2 is engineered with advanced diffusers that eliminate glare or hotspots providing a uniform distribution of light and can be surface mounted or suspended with aircraft cable. The IP66-rated fixture is designed to replace less-efficient fluorescent strip lights in car wash operations, airports, tunnels, maintenance areas, parking garages and stairwells.

The VT2 LED Wet Location Linear Vaportite is an effective, energy efficient light source that is perfect for both indoor and outdoor applications where dampness or humidity is an issue.

### Available in 4000K or 5000K

High CCT illumination creates a whiter, more vibrant environment, with a higher S/P ratio, which reduces processing errors, increases workplace safety and productivity.

### End Cap Wiring Knockout

Knockouts on both ends of the VT2 allows multiple luminaires to be linked together.

### Impact Resistance

Provides protection against mechanical impacts throughout entire fixture.

### Advanced LED Technology

Utilizes advanced, high efficacy, mid-power LED technology.

### Uniform Glare-Free Illumination

Uses high efficiency, frosted diffuser with advanced optical design to generate even, uniform light distribution providing glare-free illumination.

### Easy Installation & Flexible Mounting Options

Slender form allows for a multitude of lighting layout designs and applications. Mounting options include surface or aircraft cable.



### VT2 Surface Mount

Included mounting brackets allows for a surface mount application



### VT2 Suspended Mount

Included mounting brackets allows for a suspended cable mount application

# VT1

## LED Extreme Environment Vaportite

### Construction

UV and corrosion resistant, thermally conductive plastic withstands exposure to a variety of chemicals and weather including salt spray, acids and bases

### Optical System

Optically engineered to eliminate glare and LED hotspots using advanced diffusers

### Electrical

High efficacy: Greater than 100 lumens per watt using latest generation mid-power LED's

Available in two lumen configurations: 3700 or 7000 lumens

Operating temperature rating of 0°F to 110°F (-18°C to 43°C)

Universal input 120-277VAC

TM-21 Projected L70(9k) life >73,000 hours

LM-79, LM-80 testing performed in accordance with IESNA standards

### Finish

Black UV and corrosion resistant, thermally conductive plastic

### Installation

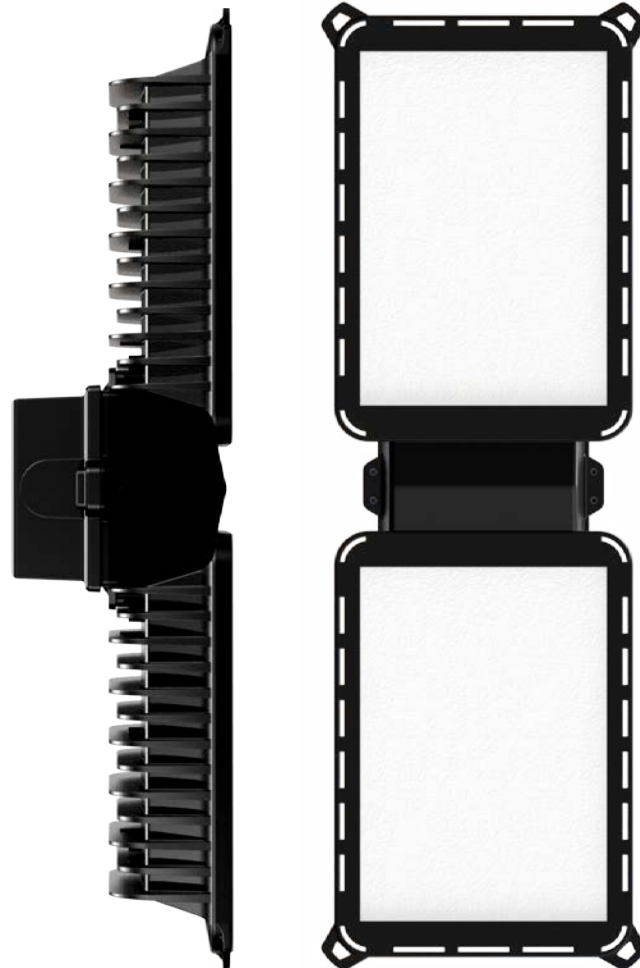
Multiple mounting options: surface, pendant, or aircraft cable (sold separately)

### Warranty

5-year limited system warranty standard

### Product Specifications

| Model               | VT1-10S-UNV-50K-BK<br>(Standard Output) | VT1-10H-UNV-50K-BK<br>(High Output) |
|---------------------|---|-------------------------------------|
| Light Output (lm)   | 3723                                    | 7161                                |
| Power Draw (W)      | 35                                      | 65                                  |
| Weight (lbs)        | 4.9                                     | 5.6                                 |
| Input Voltage (VAC) | 120-277                                 | 120-277                             |
| DLC Listed          | Yes                                     | Yes                                 |



### Standard

|                             |                      |
|-----------------------------|----------------------|
| Luminaire                   | 5000K                |
| Input Voltage (VAC)         | 120-277              |
| System Level Power (W)      | 35                   |
| Delivered Lumens (Lm)       | 3723                 |
| System Efficacy (Lm/W)      | 106                  |
| Correlated Color Temp (K)   | 5285                 |
| Color Rendering Index (CRI) | 83                   |
| Zonal Lumen Summary**       |                      |
| Zone                        | Lumens %of Luminaire |
| 0-30                        | 1163 31.23%          |
| 0-40                        | 1844 49.53%          |
| 0-60                        | 3060 82.18%          |
| 0-90                        | 3723 100%            |
| 90-180                      | 0 0%                 |
| 0-180                       | 3723 100%            |

### High Output

|                             |                      |
|-----------------------------|----------------------|
| Luminaire                   | 5000K                |
| Input Voltage (VAC)         | 120-277              |
| System Level Power (W)      | 65                   |
| Delivered Lumens (Lm)       | 7161                 |
| System Efficacy (Lm/W)      | 109                  |
| Correlated Color Temp (K)   | 5292                 |
| Color Rendering Index (CRI) | 83                   |
| Zonal Lumen Summary**       |                      |
| Zone                        | Lumens %of Luminaire |
| 0-30                        | 2218 30.98%          |
| 0-40                        | 3523 49.20%          |
| 0-60                        | 5861 81.86%          |
| 0-90                        | 7161 100%            |
| 90-180                      | 0 0%                 |
| 0-180                       | 7161 100%            |

# VT2

## LED Wet Location Linear Vaportite

### Construction

Extruded aluminum with polycarbonate corrosion resistant covering withstand exposure to a variety of chemicals and weather

### Optical System

Optically engineered to eliminate glare and LED hotspots using high efficiency frosted diffuser

### Electrical

High efficacy: Greater than 100 lumens per watt using latest generation mid-power LED's Linkable with end cap wiring knockouts (50 piece max on 2 foot, 21 piece max on 4 foot)

Operating temperature rating of -17°F to 110°F (-27°C to 43°C)

Universal input 120-277VAC

TM-21 Projected L70(9k) life >54,000 hours

LM-79, LM-80 testing performed in accordance with IESNA standards

### Finish

Gloss white polycarbonate body

### Installation

Surface mounting brackets included, suspended cable mounting kit available (sold separately)

Maximum length for daisy chain option is 50 for 2' fixture and 21 for 4' fixture

### Warranty

5-year limited system warranty standard

### Product Specifications

| Model               | VT2-10-2-UNV-50K-WH<br>(2 foot) | VT2-10-4-UNV-50K-WH<br>(4 foot) |
|---------------------|---------------------------------|---------------------------------|
| LED Lifetime (Hrs)  | >54,000                         | >54,000                         |
| Light Output (lm)   | 2201                            | 4903                            |
| Power Draw (W)      | 21W                             | 48W                             |
| Input Voltage (VAC) | 120-277 V                       | 120-277 V                       |



### VT2-10-2-UNV-40K-WH

|                             |                      |
|-----------------------------|----------------------|
| Luminaire                   | 4000K                |
| Input Voltage (VAC)         | 120-277              |
| System Level Power (W)      | 21                   |
| Delivered Lumens (Lm)       | 2147                 |
| System Efficacy (Lm/W)      | 101                  |
| Correlated Color Temp (K)   | 4211                 |
| Color Rendering Index (CRI) | 83                   |
| Zonal Lumen Summary**       |                      |
| Zone                        | Lumens %of Luminaire |
| 0-30                        | 619 29%              |
| 0-40                        | 999 46%              |
| 0-60                        | 1715 79%             |
| 0-90                        | 2147 100%            |
| 90-180                      | 0 0%                 |
| 0-180                       | 2147 100%            |

### VT2-10-2-UNV-50K-WH

|                             |                      |
|-----------------------------|----------------------|
| Luminaire                   | 5000K                |
| Input Voltage (VAC)         | 120-277              |
| System Level Power (W)      | 21                   |
| Delivered Lumens (Lm)       | 2201                 |
| System Efficacy (Lm/W)      | 105                  |
| Correlated Color Temp (K)   | 5223                 |
| Color Rendering Index (CRI) | 83                   |
| Zonal Lumen Summary**       |                      |
| Zone                        | Lumens %of Luminaire |
| 0-30                        | 632 29%              |
| 0-40                        | 1019 46%             |
| 0-60                        | 1752 79%             |
| 0-90                        | 2201 100%            |
| 90-180                      | 0 0%                 |
| 0-180                       | 2201 100%            |

### VT2-10-4-UNV-40K-WH

|                             |                      |
|-----------------------------|----------------------|
| Luminaire                   | 4000K                |
| Input Voltage (VAC)         | 120-277              |
| System Level Power (W)      | 48                   |
| Delivered Lumens (Lm)       | 4755                 |
| System Efficacy (Lm/W)      | 98                   |
| Correlated Color Temp (K)   | 4023                 |
| Color Rendering Index (CRI) | 82                   |
| Zonal Lumen Summary**       |                      |
| Zone                        | Lumens %of Luminaire |
| 0-30                        | 1315 28%             |
| 0-40                        | 2124 46%             |
| 0-60                        | 3665 79%             |
| 0-90                        | 4755 100%            |
| 90-180                      | 0 0%                 |
| 0-180                       | 4755 100%            |

### VT2-10-4-UNV-50K-WH

|                             |                      |
|-----------------------------|----------------------|
| Luminaire                   | 5000K                |
| Input Voltage (VAC)         | 120-277              |
| System Level Power (W)      | 48                   |
| Delivered Lumens (Lm)       | 4903                 |
| System Efficacy (Lm/W)      | 103                  |
| Correlated Color Temp (K)   | 5216                 |
| Color Rendering Index (CRI) | 83                   |
| Zonal Lumen Summary**       |                      |
| Zone                        | Lumens %of Luminaire |
| 0-30                        | 1355 28%             |
| 0-40                        | 2186 46%             |
| 0-60                        | 3763 79%             |
| 0-90                        | 4903 100%            |
| 90-180                      | 0 0%                 |
| 0-180                       | 4903 100%            |

### Ordering Information

| Series | Model                 | Input           | CCT | Housing Color |
|--------|-----------------------|-----------------|-----|---------------|
| VT1    | 10S (Standard Output) | UNV (120-277 V) | 50K | BK (black)    |
|        | 10H (High Output)     |                 |     |               |

### Ordering Information

| Series | Model | Length | Input           | CCT | Housing Color |
|--------|-------|--------|-----------------|-----|---------------|
| VT2    | 10    | 2 (2') | UNV (120-277 V) | 40K | WH (white)    |
|        |       | 4 (4') |                 | 50K |               |