

# VaporStar

## Vapor Tight Enclosed LED Light



### Key Features

- Enclosed and gasketed luminaire that utilizes highly-efficient LED technology.
- Gasket and cam latches seal the enclosure, making it weather resistant and corrosion free for wet locations.
- Knockouts and end plugs provided for easy wiring access in the field.

### Electrical

- 120-277VAC 50/60Hz input.
- 0-10V dimming standard.
- Power factor: >0.90 and THD <20%.
- Operating temperature: -40°C to 40°C (-40°F to 104°F).

### Mounting

- Ready to be surface mounted, pendant mounted or safety chain hung.
- Ideal mounting height of 12 to 25 feet.

### Construction

- Gray housing and opal lens is impact-resistant polycarbonate for durability and reliability.
- (8) Stainless steel cam latches standard.
- IP65 rated enclosure prevents intrusion from environmental elements that could degrade performance.

### Optics

- Industry-leading LEDs with 5000K CCT (minimum 82 CRI).
- Lumen Maintenance: >161,000 hours (L70).<sup>1</sup>

### Warranty

- Backed by US LED's Five-Year Warranty.

Project

Date

Catalog Number

Type

### Product Performance Summary

|               |                    |
|---------------|--------------------|
| Lumen Output  | Up to 5,200 lumens |
| Efficacy      | Up to 130 LPW      |
| CRI           | ≥ 82 CRI           |
| Available CCT | 5000K              |
| Warranty      | Five-Year Warranty |

### Product Overview

The VaporStar is a low-profile, linear LED luminaire that's designed for industrial use. Engineered for durability and reliability in wet locations, the VaporStar features an impact-resistant polycarbonate housing and lens. In addition, this enclosed and gasketed linear luminaire is designed to be weather resistant, corrosion-free, and easy to clean or service. As a result, the VaporStar is the ideal choice for industrial or manufacturing areas, refrigeration, parking garages, and other commercial and industrial applications.

### Product Applications

- Parking Garages
- Refrigeration/Freezers
- Manufacturing/Industrial
- Retail Centers
- Educational Facilities
- Business Campuses

### Product Certifications

- UL Listed
- CSA Listed
- NSF Certified
- Suitable for Wet Locations
- IP65 Rated Enclosure
- RoHS Compliant



### Ordering Information

Example: VTF-1-4-UNVL-40-2-50

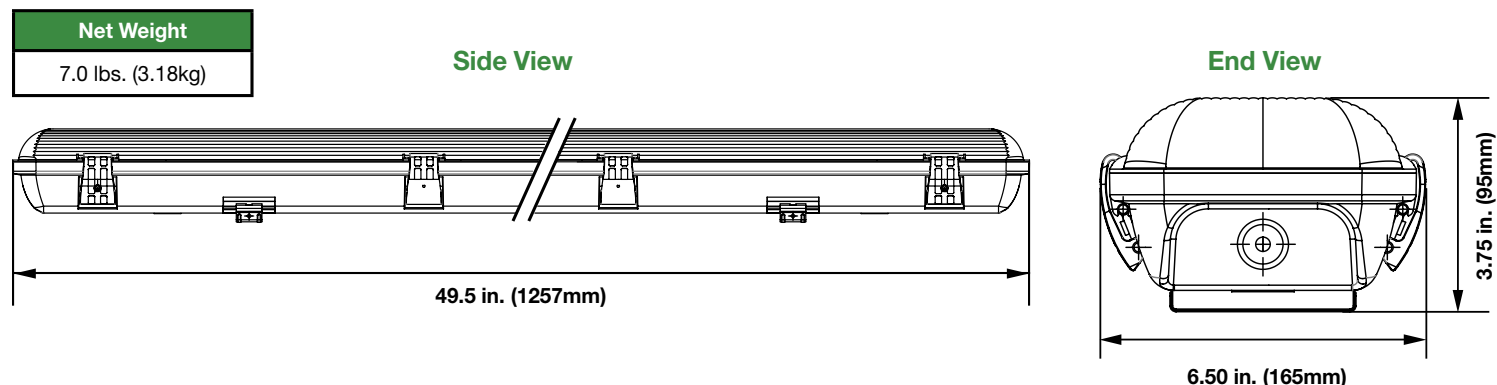
| VTF1   |          |         |               |        |                       |          |
|--------|----------|---------|---------------|--------|-----------------------|----------|
| Series | Variant  | Size    | Input Voltage | Power  | Driver                | CCT      |
| 1      | Standard | 4 4 ft. | UNVL 120-277V | 40 40W | 2 iNFINi Driver 0-10V | 50 5000K |

#### Accessories

- B** Emergency Battery Backup
- MS** Motion Sensor

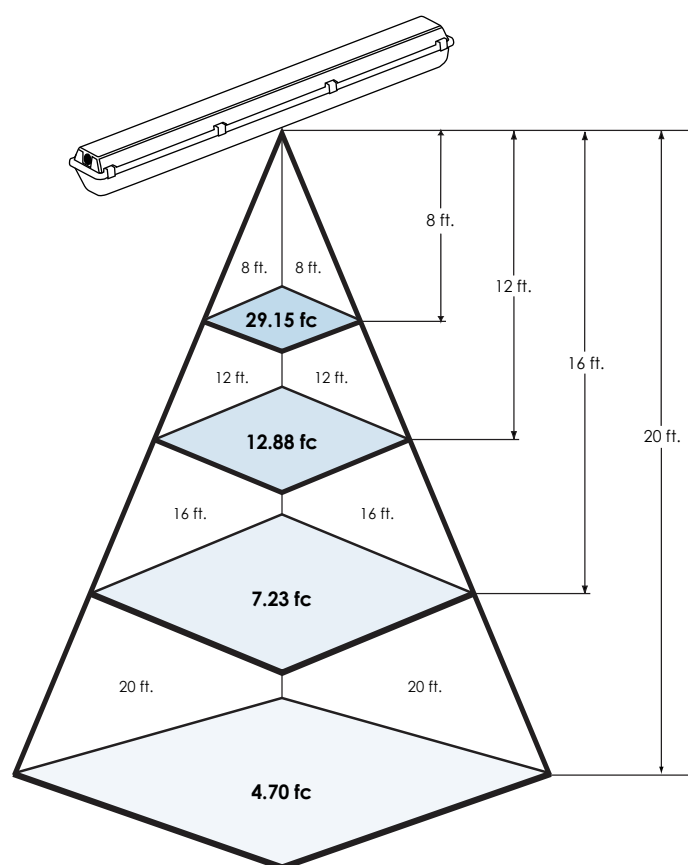
1. Product 'Lifetimes' refer only to the LED light engine, not the power source, and are based on the Illuminating Engineering Society's TM21 Projected Lumen Maintenance methodology at a 25° C / 77° F ambient temperature. The lifetimes are solely meant to be a guide for expected LED degradation and not a warranty or predictive of their actual life, which can be affected by ambient temperatures and other factors.

### Dimensions



### Performance Data

| Model                 | System Level Power | Delivered Lumens | Efficacy | CCT   | L70 Calculate Life | L85 Calculate Life |
|-----------------------|--------------------|------------------|----------|-------|--------------------|--------------------|
| VTF1-1-4-UNVL-40-2-50 | 40.0W              | 5,200L           | 130 LPW  | 5000K | 161,000 Hours      | 75,000 Hours       |



| Room Model      | Mounting Height | AVG.     | MAX.    | MIN.    |
|-----------------|-----------------|----------|---------|---------|
| 8 ft. x 8 ft.   | 8 ft.           | 29.15 fc | 34.6 fc | 24.0 fc |
| 12 ft. x 12 ft. | 12 ft.          | 12.88 fc | 15.8 fc | 9.7 fc  |
| 16 ft. x 16 ft. | 16 ft.          | 7.23 fc  | 9.00 fc | 5.20 fc |
| 20 ft. x 20 ft. | 20 ft.          | 4.70 fc  | 5.90 fc | 3.30 fc |

Illumination level calculations are of luminaires tested to IESNA LM-79 standards by an NVLAP® accredited facility and Illuminating Engineering Society standard practices. The performance of any US LED luminaire may vary based on varying application conditions.

### Accessories

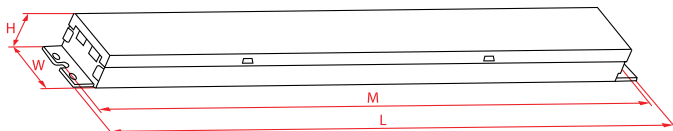


### Emergency Battery Backup [Option B] ACE LEDS | ACE-G10B-180CP

#### Key Features

- Constant output power: Constant emergency light levels over full 90-minute runtime and over output voltage range.
- Includes input over voltage surge protection, output short circuit, open circuit, and over-voltage protection, as well as over-temperature protection for improved reliability.
- Includes a miniature illuminated test switch status indicator: Enables mounting in small spaces.

|                         |                                                          |
|-------------------------|----------------------------------------------------------|
| Output Power Max        | 10W                                                      |
| Input Power             | 7W                                                       |
| Input Current Max       | 140 mA                                                   |
| Emergency Operation     | 90 Minutes                                               |
| Battery                 | LiFePO4 24 Hour Recharge<br>7 to 10 year Life Expectancy |
| Input Voltage           | 120-277 VAC 50/60Hz                                      |
| Ambient Operating Temp. | 0°C Through 55°C                                         |
| UL Listed For US/Canada | UL and cUL (UL924)<br>Emergency LED Driver               |



| Product Dimensions |        |                 |        |
|--------------------|--------|-----------------|--------|
| Length             | 15.55" | Height          | 1.16"  |
| Width              | 1.49"  | Mounting Length | 15.23" |



### Motion Sensor [Option MS] SensorSwitch | LSXR 610 ADC

#### Key Features

- 100% digital PIR detection - provides excellent RF immunity
- No PIR field calibration or sensitivity adjustments required
- Powers from single or two-phase line connections
- Photocell and 0-10 VDC dimming options
- Digital push-button programming
- Default 10 minute occupancy time delay

|                    |                                                                                                                                                 |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| # of Relays        | 1                                                                                                                                               |
| Photocell          | Yes                                                                                                                                             |
| 0-10 VDC Dimming   | Yes                                                                                                                                             |
| Power              | 120-277 VAC (MVOLT)                                                                                                                             |
| Included Lenses    | High Mount 360°<br>Low Mount 360°                                                                                                               |
| Notes On Operation | Occ. - On/Off (if relay is wired)<br>or ~0V (if relay is not wired)<br>Photocell - Dim to Off (if relay is wired or ~0V (if relay is not wired) |

