UNAMI

MENTORED BY LUMENFOCUS

VERSARI

Project: _____

Location: _____

Cat. #: _____

Type: _____

Quantity: _____

LED

VTN 8F LED Vaportight High/Low Bay

Features:

- High performance LED technology
- 0-10V dimming drivers standard
- Multiple hanging options, including surface, chain, and aircraft cable, for easy installation
- Pre-wired 6' single circuit cord comes standard. Other cord options available
- Durable materials and craftsmanship allows the VTN F to withstand some of the harshest environments

Applications:

Most industrial, retail, and recreational low bay and high bay applications

- Warehouse
- Manufacturing Facility
- Food Processing
- Freezer

Ambient Operating Temp:

- -30°C to 35°C

Construction:

- UL 5VA fiberglass housing (will not melt or burn)
- Clear polycarbonate lens
- Pre-painted aluminum board trays
- Stainless steel mounting hardware

Certifications:

- UL 1598 listed for US and Canada, suitable for wet locations
- IP66
- NEMA 4X
- NSF
- PSI 1500
- RoHS

Predicted L70 Lifetime:

- >72,000 hrs (reported)
  (based on LM-80, TM-21 and in-situ laboratory testing)

Warranty:

- 5 year limited system warranty - see www.UnamiLighting.com for complete warranty terms and conditions

MADE IN USA
USING DOMESTIC AND FOREIGN COMPONENTS

NSF

c UL us

CAUTION: *Due to high pressure washdown requirements, fixture minimum mounting height is 14 feet above the floor. Lens system should never be removed by anyone but a factory-approved trained technician using torque wrenches.*

Powered by:

Universal Lighting Technologies

EVERLINE LED Technology

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Unami
880 Facet Rd.
Henderson, NC 27537

Ordering Guide:

example: VTN 8 F HI UV CFP 840 SM C6

Series	Length	Profile	Output	Voltage	Shielding	CRI/CCT	Hanging	Controls	Cords	Options
VTN	8	F								
VTN	**8** 8'	**F** Flat Bottom	**LW** Low **MD** Medium **HI** High **VH** Very High	**UV** 120-277 **34** 347V	**CFP** Clear Flat Polycarbonate **CFPP** Heavier Gauge Clear Flat Polycarbonate	**835** 80 CRI/3500K **840** 80 CRI/4000K **850** 80 CRI/5000K	**Blank** Surface Mounting Bracket (Comes Standard) **SMBB** Mounting Bracket Bail (For Chain Or Cable Mount) **SMBBQC** Bracket Bail with 10' Quick Hang Cable Kit **SMBBQC20** Bracket Bail with 20' Quick Hang Cable Kit **SC** Safety Cable	**Blank** No Controls **ZOS** Occupancy Sensor (On/Off) **Z221BL_** Wattstopper Programmable Photo/Motion Multi-Voltage Sensor (high/low/off)[1] **Z321BL_** Wattstopper Bluetooth-enabled Programmable Photo/Motion Multi-Voltage Sensor (high/low/off)[1] **ZOSMD** 0-10V Dimming Microwave Occupancy Sensor **ZPC** Photocell **ZIFC** Douglas IFC Controller With Network Capabilities[2] **ZFMS** Douglas FMS Sensor with Dimming/Occupancy/Daylight Harvesting with Newtork Capabilities[3] **ZENLO** Enlighted Ruggedized Sensor with Dimming/Occupancy/Daylight Harvesting and Enlighted One System[4] **ZENLC** Enlighted Ruggedized Sensor with Dimming/Occupancy/Daylight Harvesting and Enlighted Connected System[4] **ZENLI** Enlighted Ruggedized Sensor with Dimming/Occupancy/Daylight Harvesting and Enlighted IoT System[4]	**C6** 6' Single Circuit Cord (Comes Standard) **C6(LVL)** C6 With Integrated Dimming Leads **C10** 10' Single Circuit Cord **C10(LVL)** C10 With Integrated Dimming Leads **D6** 6' Dual Circuit Cord **D10** 10' Dual Circuit Cord	**Blank** No Options **P(NEMA)** Plug (Specify NEMA configuration) **F** Fuse **SDT(480V)** 480V To 277V Step Down Transformer **BAA** Buy American Act Compliant

Notes

[1] "_" = lens type. See Page 3 for lens descriptions.
[2] IFC controller - see Page 3 for more details.
[3] Max ceiling height for Douglas FMS sensor: 40 feet.
See Page 4 for more details on advanced controls.
[4] Max ceiling height for Enlighted Ruggedized sensor 50 feet. See Page 4 for more details on advanced controls.

Controls Accessories *(order separately)*

For Douglas Controls

BT-DMSW-U-A	Bluetooth 1 Zone Dimmer
BT-4BTSW-U-A	Bluetooth 4-Button Wall Station
BT-8BTSW-U-A	Bluetooth 8-Button Wall Station

For Enlighted Controls

WS-2-00	Enlighted Remote Control Wall Switch (for Enlighted Connected & IoT)
WS-2-00-IL	Enlighted Remote Control Wall Switch (for Enlighted One)

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VTN F LED Vaportight High/Low Bay

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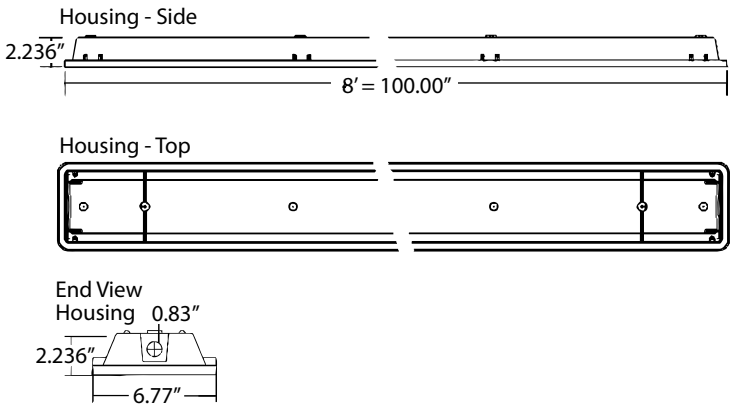
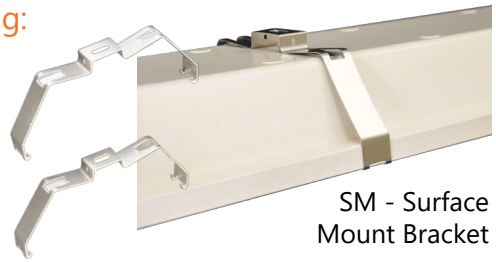
Schematic:



Mounting:



SM - Surface Mount Bracket

SMBB - Surface Mount Bracket w/ Bracket Bail

Performance Chart:

Catalog #	QPL/UL Reference #	Lumens	Watts	LPW
VTN 8 F LW UV CFP 835	NVL 8 F LW UV CFP 835	8318	66	126.0
VTN 8 F MD UV CFP 835	NVL 8 F MD UV CFP 835	10405	82	126.9
VTN 8 F HI UV CFP 835	NVL 8 F HI UV CFP 835	12214	100	122.1
VTN 8 F VH UV CFP 835	NVL 8 F VH UV CFP 835	16307	134	121.7

Catalog #	QPL/UL Reference #	Lumens	Watts	LPW
VTN 8 F LW UV CFP 840	NVL 8 F LW UV CFP 840	8576	66	129.9
VTN 8 F MD UV CFP 840	NVL 8 F MD UV CFP 840	10727	82	130.8
VTN 8 F HI UV CFP 840	NVL 8 F HI UV CFP 840	12592	100	125.9
VTN 8 F VH UV CFP 840	NVL 8 F VH UV CFP 840	16811	134	125.5

Catalog #	QPL/UL Reference #	Lumens	Watts	LPW
VTN 8 F LW UV CFP 850	NVL 8 F LW UV CFP 850	8833	66	133.8
VTN 8 F MD UV CFP 850	NVL 8 F MD UV CFP 850	11049	82	134.7
VTN 8 F HI UV CFP 850	NVL 8 F HI UV CFP 850	12969	100	129.7
VTN 8 F VH UV CFP 850	NVL 8 F VH UV CFP 850	17315	134	129.2

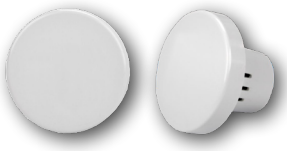
Dimming Sensors (Z221B/Z321B)

- The Wattstopper FSP sensor provides multi-level control based on motion and/or daylight contribution
- Rated for cold locations
- Parameters for Bluetooth-enabled Z321B adjustable via phone app - iOS or Android
- Parameters for Z221B adjustable via wireless configuration tool (FSIR-100 - sold separately)
- Three lenses available, tailored for the ideal detection area and mounting height:
  -L2: 360° lens, maximum coverage 48', diameter from 8' height
  -L3: 360° lens, maximum coverage 40', diameter from 20' height
  -L7: 360° lens, maximum coverage 100', diameter from 40' height

1) The Wattstopper FSP sensor. **2)** The phone app interface for the Z321B. **3)** The FSIR-100 wireless configuration tool.

Douglas Lighting Controls, Inc.: Intelligent Fixture Controller (IFC)

The VTNF can be equipped with the Douglas Bluetooth Intelligent Fixture Controller (IFC).



- 0-10V dimming with dim-to-off
- Bluetooth beacon for digital ceiling, IoT and location service strategies
- 150-foot clear line of sight, 50 feet through standard walls
- May be used with dual-channel, tunable white LED drivers providing auxiliary power and dim-to-off capability
- Commissioning through Douglas Lighting Controls, Inc. app from Apple app store
- Listed for emergency control when used on dedicated emergency power bus

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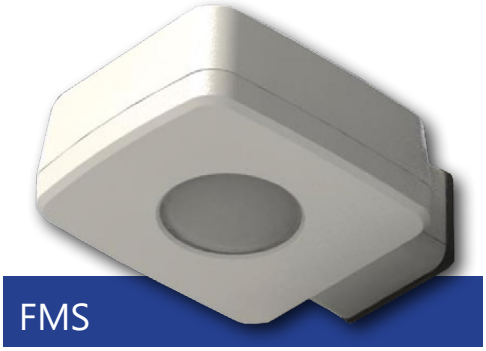
Douglas Lighting Controls, Inc.: Cloud-based controls

The VTNF can be equipped with the Douglas FMS sensor, which is designed for high bay applications.

With a max sensor height up to 40 feet, the FMS is ideal for applications like warehouses and manufacturing facilities. It can be installed for on/off control or bi-level light functionality. The daylight sensor provides additional savings by dimming the lights to work with the amount of natural available daylight.



- Configuration from the floor via smartphone app
- Bluetooth mesh network is created between devices for control over a group of Douglas sensors
- Occupancy and daylight sensing
- IP65-rated
- 0-10V dimming
- 150 feet clear line of site, 50 feet through standard walls (distances may vary based on location and environment)

CheckLight® Energy Management System

Douglas controls can be integrated with the CheckLight® Energy Management system. This system can help you uncover energy conversion opportunities, create conservation strategies, analyze lighting load inefficiencies, and make configuration changes from anywhere with Douglas' user-friendly interface. You can get measurements, reports, and control your system from a web-based application.

CheckLight® has the capability to look at different facilities within a portfolio and use data benchmarks to compare building performances.

- Find energy conservation opportunities
- Create energy saving strategies
- Analyze load inefficiencies
- Optimize energy management

Enlighted: All-in-one sensors, upgradeable systems

Enlighted's IP65-rated Ruggedized Sensor is an all-in-one unit: task tuning, high-end trimming, daylight harvesting, and occupancy/vacancy detection. Max installation height is 50 feet.

Enlighted sensors come standard with the Enlighted One system (the "ZENLO" option). Enlighted Connected ("ZENLC") offers even more options. The Enlighted IoT ("ZENLI") option allows the full implementation of Enlighted's services. Each system can be fully upgraded to the next tier in the future. So if you start with Enlighted One but want to add energy reporting or building management systems integration in the future, you can.

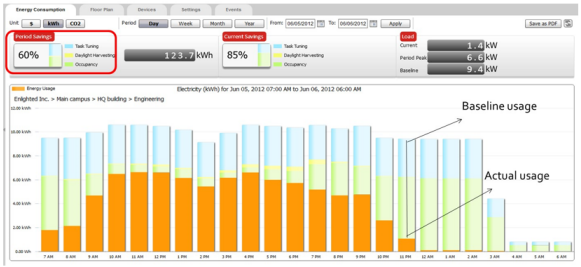
Enlighted Capabilities*	Enlighted One (ZENLO)	Enlighted Connected (ZENLC)	Enlighted IoT (ZENLI)
Motion and Switch Groups	✓	✓	✓
Daylight Harvesting	✓	✓	✓
Schedule Lighting		✓	✓
Energy Reporting & Optimization		✓	✓
Environment Data & Lighting Controls API		✓	✓
Building Management System Integration		✓	✓
Where & Space Applications			✓
Location & Occupancy APIs & Beaconing			✓
Future App & API Ready			✓

Note: Additional equipment required for ZENLC and ZENLI

Real-time data analytics

Enlighted's control units compile data in real-time, which can be viewed via the Energy Manager. The Energy Manager is part of the Enlighted Connected and Enlighted IoT configurations.

- Real-time measurements and verification of energy savings
- Space analytics - data can be compiled into motion trails and heat maps
- Analyze traffic density and congestion in a space



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