

## VTL4

### 4' LED Vapor Tight



#### MECHANICAL

- Gasketed white fiberglass housing
- White enamel painted steel gear tray
- (6) White plastic molded retaining latches
- (2) Stainless steel mounting brackets

#### OPTICAL

- Acrylic thermal formed lens, 15% DR, 100% frost
- 85 CRI (nom.); 3500K, 4000K, 5000K CCT
- Excellent lumen maintenance

#### CONTROLS

- 0-10V LED driver standard, dimming to 1%
- Wireless occupancy and daylight sensor accessory available

#### ELECTRICAL

- Available as 120-277VAC or 347VAC
- Housing includes a plugged 1/2" conduit entry point at each end

#### WARRANTY

- Five year limited warranty

#### CERTIFICATIONS

- UL Listed to US & Canadian UL 1598
- Suitable for wet locations
- IP65 rated for covered outdoor use
- RoHS compliant, contains no mercury or lead
- Select models (identified below) are DesignLights Consortium® qualified. Consult [www.designlights.org/QPL](http://www.designlights.org/QPL) for details.

## ORDERING GUIDE

EXAMPLE: VTL4-40L840-U

Series	Size	Nominal Lumens	CRI (nom.)	Color Temp.	Voltage	Options
VTL = LED Vapor Tight Luminaire	4 = 4ft	33L = 3,300 40L = 4,000 5K = 5,000 6K = 6,000 8K = 8,000 10K' = 10,000	8 = 85 (nom.)	35 = 3,500K 40 = 4,000K 50 = 5,000K	U = 120-277V 347 = 347V	SSL <sup>2</sup> = Stainless steel latches EM <sup>3</sup> = Emergency driver installed ( 33L & 40L lumen packages only)

#### ORDERING NOTES:

1. 10K Light engine modules rated for max 35°C
2. If desired, this latch may be secured with a standard head or tamper resistant screw: 1/2 in x #8-32 (provided by others)
3. The EM driver is available only in the 33L and 40L lumen packages. The EM driver is rated down to -20°C.

#### Accessories (Order Separately)

VTA-DCFIT-1/2 = 7/8" Aluminum die cast fitting - 1/2" rigid conduit (pack of 2)

BT-FMS-A = Bluetooth® Controller & Sensor, 120/277/347VAC

## PERFORMANCE DATA

Light Engine	120-277VAC					347VAC			
	Lm	Watts	LPW	A at 120V	A at 277V	Lm	Watts	LPW	A at 347V
33L	5031	38.9	129	0.325	0.145	4909	38.6	127	0.115
40L	5975	51.9	115	0.434	0.193	6099	52.0	117	0.154
5K	6534	49.9	131	0.417	0.185	6671	49.0	136	0.146
6K	7914	59.7	132	0.499	0.222	8086	58.6	138	0.174
8K	10332	84.1	123	0.703	0.313	11026	87.0	127	0.259
10K	12886	107.2	120	0.896	0.399	12974	106.9	121	0.318

- Performance data provided at 4000K CCT, multiply lumens and LPW by 1.024 for 5000K or 0.976 for 3500K
- Specifications subject to change without notice
- Performance data obtained from photometric tests in accordance with IES LM-79-08 by a NVLAP accredited testing lab
- Consult factory for photometry



## OPERATING DATA

L85 Lumen Maintenance:	>60,000 Hours at 40°C
L70 Lumen Maintenance:	>140,000 Hours at 40°C
Min. Starting Temp.:	-30°C (-22°F)
Sound Rating:	Class A

EMI/RFI:	FCC Part 15, Class A
Power Factor:	>.90
THD:	< 20%
Input Power Frequency:	50/60 Hz

## DesignLights Consortium® QPL Listed Products

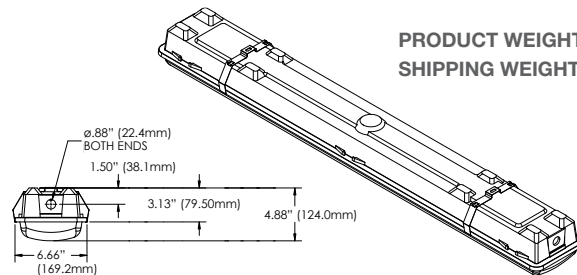
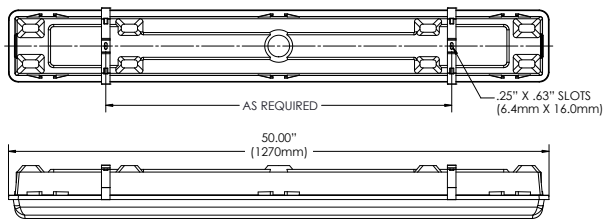
Model Number	Model Number	Model Number	Model Number
VTL4-40L835-U	VTL4-6K835-U	VTL4-10K835-U	VTL4-5K835-347
VTL4-40L840-U	VTL4-6K840-U	VTL4-10K840-U	VTL4-5K840-347
VTL4-40L850-U	VTL4-6K850-U	VTL4-10K850-U	VTL4-5K850-347
VTL4-5K835-U	VTL4-8K835-U	VTL4-40L835-347	VTL4-10K835-347
VTL4-5K840-U	VTL4-8K840-U	VTL4-40L840-347	VTL4-10K840-347
VTL4-5K850-U	VTL4-8K850-U	VTL4-40L850-347	VTL4-10K850-347



Model Number	Model Number
VTL4-33L835-U	VTL4-6K835-347
VTL4-33L840-U	VTL4-6K840-347
VTL4-33L850-U	VTL4-6K850-347
VTL4-33L835-347	VTL4-8K835-347
VTL4-33L840-347	VTL4-8K840-347
VTL4-33L850-347	VTL4-8K850-347



## DIMENSIONS: in (mm)



**PRODUCT WEIGHT:** 8.3 lbs.  
**SHIPPING WEIGHT:** 12.7 lbs.

## REPLACEMENT COMPONENTS CHART

Lumen Package	Replacement Driver	Driver Quantity
33L	D10CC55xxxTZCP76C	1
40L	D10CC55xxxTZ-C10C	1
5K	D10CC55xxxTZ-C10C	1
6K	D15CC55xxxTZ-C10C	1
8K	D21CC80xxxTZ-D10C	1
10K	D15CC55xxxTZCP87C	2

Where "xxx" = UNV (120-277V) or 347 (347V)

## BT-FMS-A ACCESSORY

### DESCRIPTION

PIR motion detector controls lights with on/off or Bi-level control based on occupancy conditions. Internal photocell dims luminaire and reduces power consumption when adequate natural light is present. Bluetooth wireless mesh network permits touchless, deck level configuration and creation of wireless, zone control of neighboring luminaires.

The BT-FMS-A accessory is sold separately and is intended for field installation.

### ELECTRICAL

**Five-wire:** Line, Switched-Line, Neutral, Dim(+) & Dim(-)  
**Voltage:** 120-347 VAC, 50/60 Hz

**Load Rating:** 3300 watt electronic ballast at 277VAC  
**Dimming:** 0-10V control signal

### SETTINGS

**Room & zone assignments:** (user defined; up to eight zones per room)  
**Timeout delay:** 15 sec to 90 minutes  
**Occupancy control:** On/Off or Bi-Level  
**Dimmer Min & Max levels:** 0% through 100%

**Daylighting control:** Enable/Disable  
**Daylighting setpoint:** Nominal lux at the work surface. Use on-site measurements where accuracy is important. Actual performance depends heavily on local geometry and surface treatments.  
**Occupancy sensing coverage:** ~80 ft (dia.) at 40 ft mounting height

### FACTORY DEFAULTS

**Room & zone assignments:** None  
**Timeout delay:** 20 minutes  
**Occupancy control:** Bi-Level

**Dimmer Min & Max levels:** 0% & 100% respectively  
**Daylighting Control:** Disable  
**Daylighting setpoint:** 300 lux (not relevant, as daylight control is disabled)

### MANUFACTURER/PRODUCT

**Manufacturer/Product:** Douglas Lighting Controls/BT-FMS-A