

VTL8

8' LED Vapor Tight



MECHANICAL

- Gasketed white fiberglass housing
- White enamel painted steel gear tray
- (12) White plastic molded retaining latches
- (4) 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 for details.

ORDERING GUIDE

EXAMPLE: VTL8-7K840-U

Series	Size		Nominal Lumens	CRI (nom.)	Color Temp.	Voltage	Options
VTL = LED Vapor Tight Luminaire	8 = 8ft	-	7K = 7,000 8K = 8,000 10K = 10,000 12K = 12,000 16K = 16,000 20K¹ = 20,000	8 = 85 (nom.)	35 = 3,500K 40 = 4,000K 50 = 5,000K	- U = 120-277V 347 = 347V	SSL² = Stainless steel latches EM³ = Emergency driver installed (7K & 8K lumen packages only)

ORDERING NOTES:

- 20K Light engine modules rated for max 35°C
- If desired, this latch may be secured with a standard head or tamper resistant screw:
1/2 in x #8-32 (provided by others)
- The EM driver is available only in the 7K and 8K 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
7K	10260	78.8	130	0.658	0.293	10416	77.5	134	0.230
8K	12854	103.9	124	0.868	0.386	12534	101.8	123	0.303
10K	14073	100.1	141	0.836	0.372	13471	98.3	137	0.292
12K	16861	120.9	139	1.010	0.450	16068	118.2	136	0.351
16K	23052	171.3	135	1.431	0.637	21291	168.3	126	0.500
20K	27040	217.5	124	1.817	0.809	27148	216.3	126	0.643

- Performance data provided at 4000K CCT, multiply lumens and LPW by 1.024 for 5000K on 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

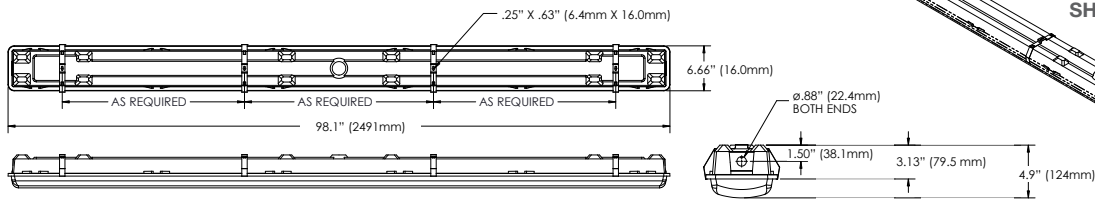
Model Number	Model Number	Model Number	Model Number	Model Number	Model Number
VTL8-7K835-U	VTL8-10K835-U	VTL8-16K835-U	VTL8-7K835-347	VTL8-10K835-347	VTL8-12K850-347
VTL8-7K840-U	VTL8-10K840-U	VTL8-16K840-U	VTL8-7K840-347	VTL8-10K840-347	VTL8-20K835-347
VTL8-7K850-U	VTL8-10K850-U	VTL8-16K850-U	VTL8-7K850-347	VTL8-10K850-347	VTL8-20K840-347
VTL8-8K835-U	VTL8-12K835-U	VTL8-20K835-U	VTL8-8K835-347	VTL8-16K835-347	VTL8-20K850-347
VTL8-8K840-U	VTL8-12K840-U	VTL8-20K840-U	VTL8-8K840-347	VTL8-16K840-347	
VTL8-8K850-U	VTL8-12K850-U	VTL8-20K850-U	VTL8-8K850-347	VTL8-16K850-347	



Model Number
VTL8-12K835-347
VTL8-12K840-347



DIMENSIONS: in (mm)



PRODUCT WEIGHT: 16.6 lbs.
SHIPPING WEIGHT: 25.4 lbs.

REPLACEMENT COMPONENTS CHART

Lumen Package	Replacement Driver	Driver Quantity
7K	D10CC55xxxTZCP76C	2
8K	D10CC55xxxTZ-C10C	2
10K	D10CC55xxxTZ-C10C	2
12K	D15CC55xxxTZ-C10C	2
16K	D21CC80xxxTZ-D10C	2
20K	D15CC55xxxTZCP87C	4

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