



The
FVTATM
Series

LED Vapor Tight High Bay





LED Vapor Tight High Bay



PROJECT: _____

DATE: _____

TYPE: _____

PREPARED BY: _____



KEY FEATURES
Wattage and color selectable standard on all models
Ingress Protection rating of IP66 for dust and water
Optional Bi-level motion and daylight control
Networked lighting control option
Emergency battery backup available

TECHNICAL SPECIFICATIONS

COMPLIANCE

UL Listed

UL 1598 Suitable for wet locations; UL 94 5VA Flame Rating

NSF Certified

Conform to the requirements of NSF/ANSI 2 - Food Equipment

IESNA LM79 & LM-80 Testing

Paclights LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

DLC Qualification

Selected models of this product are on the Design Lights Consortium (DLC) Qualified Products List and are eligible for rebates from DLC Member Utilities. To view our DLC qualified products, please consult the DLC Qualified Products List at www.design-lights.org/qpl

LED CHARACTERISTICS

LEDs

Long-life, high-efficacy, surface-mount LEDs

Correlated Color Temperature (CCT)

CCT can be adjusted by dip-switch to 3500K/4000K/5000K

Lifespan

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

Color Rendering Index

>80

Color Uniformity

PacLights' range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017

OTHER

5-Year Limited Warranty**

The PacLights 5-year, limited warranty covers light output, driver performance and paint finish.

**PacLights's warranty is subject to all terms and conditions found at paclights.com/warranty

CONSTRUCTION

IP Rating

Ingress Protection rating of IP66 for dust and water

Ambient Temperature

Suitable for up to 50° C (122° F) ambient temperature when suspended at least 18" from ceiling, or up to 40° C (104° F) ambient temperature if surface mounted.

Cold Weather Starting

The minimum starting temperature is -40 F°/-40° C

Housing

Non-Corrosive (PC) Polycarbonate housing.
NEMA 4X; IK10 Rated
Stainless Steel spec grade hasps and clips.

Mounting Methods

- Surface mount (standard)
- Aircraft cable mount (optional)
- Chain mount (optional)

Green Technology

Mercury and UV free, and RoHS compliant.

Lens

Frosted

ELECTRICAL

Driver

0-10V continuous dimming, can be dim to off
Input Voltage: 120-277V, 50-60 Hz
Power Factor : > 0.9; THD: <20%

Wattage can be adjusted by dip-switch, to:

- 135w / 115w / 100w on FVTA/2-135/115/100 models
- 200w / 185w / 155w on FVTA/2-200/185/155 models

Max Input Current:

FVTA/2-135/115/100: 1.25A (120v); 0.60A (240v); 0.54A (277v).
FVTA/2-200/185/155: 1.85A (120v); 0.93A (240v); 0.80A (277v).

PERFORMANCE

FVTA/2 - 4D - 100

100W	3500K Warm	4000K Neutral	5000K Daylight
LUMENS	16,900	17,400	17,100
LM/W	169	174	171

FVTA/2 - 4D - 115

115W	3500K Warm	4000K Neutral	5000K Daylight
LUMENS	19,090	19,665	19,320
LM/W	166	171	168

FVTA/2 - 4D - 135

135W	3500K Warm	4000K Neutral	5000K Daylight
LUMENS	22,005	22,680	22,275
LM/W	163	168	165

FVTA/2 - 4D - 155

155W	3500K Warm	4000K Neutral	5000K Daylight
LUMENS	25,730	26,505	26,040
LM/W	166	171	168

FVTA/2 - 4D - 185

185W	3500K Warm	4000K Neutral	5000K Daylight
LUMENS	30,155	31,080	30,525
LM/W	163	168	165

FVTA/2 - 4D - 200

200W	3500K Warm	4000K Neutral	5000K Daylight
LUMENS	32,000	33,000	32,400
LM/W	160	165	162



ORDERING INFORMATION

FVTA™ generation 2

Family	Form Factor	Model	CCT	Options	
FVTA/2	4D				
	4D	100	100w	35	
	4ft	115	115w	3500K	HV 480v input
		135	135w	40	EM Emergency battery backup
		135/115/100	135w/115w/100w Selectable	4000K	MC Bi-level dimming microwave motion & daylight dual sensor
		155	155w	50	AC Aircraft cable mount kit
		185	185w	5000K	CN Chain mount kit
		200	200w		SU Surge protector
		200/185/155	200w/185w/155w Selectable	35/40/50	WBN Wireless bluetooth networked control (NLC)
				3500K	WBM Wireless bluetooth networked control w/ Microwave motion and daylight sensor (NLC)
				4000K	
				5000K	
				Selectable	

FEATURES

Tool-less In-field Selectable Wattage/CCT



Select the desired output power/lumen or light color temperature by sliding the respective Wattage or CCT Selection Switch left or right to the desired value. CCT can be adjusted to 3500/4000/5000K, and Wattage can be adjusted to:

- 135w / 115w / 100w on FVTA/2-135/115/100 models
- 200w / 185w / 155w on FVTA/2-200/185/155 models

Output power/lumen and color can be changed before, during and after installation.

EMERGENCY BACKUP Option

Emergency Backup (-EM)



FVTA series emergency backup models works out of the box to save time and cost in the installation. When there is a power outage, the emergency backup driver and battery will power the FVTA to an reduced brightness of 3,000 lumen for at least 90 mins.

CONTROLS Options

Microwave Bi-level Motion Control (option: -MC)



Microwave occupancy control detect motions even through plastic, glass and thin non-metal materials. It can be mounted as high as 40 ft high and contains a signature 3-step dimming function, which is perfect for areas that require a light change notice totally switching off the light. Optional daylight(threshold) function will turn off fixture on pre-set level of ambient light. Control parameters are adjustable by an optional wireless commissioning device.



Optional wireless commissioning device can be purchase separately to customize settings of the “-MC” sensor controls.

SKU: SE-BC-RC100

-MC Sensor Control Specification *default setting

Sensitivity	20%/50%/75%/100%*
Hold Time (before dim)	10s*/1min/5min/10min/15min/20min/30min/60min
Daylight Threshold	10/30*/50/100/300/500 Lux, or Disable
Stand-by Time(before turn off)	1min/30min/60min*, or Never
Stand-by Dimming Level	10%/30%*/50%
Detection Height	up to 40ft
Detection Radius	up to 26ft

Networked Lighting Controls (option: -WBM/-WBN)



Network Lighting Controls (NLC) offer Luminaire Level Lighting Control (LLLC) based on Bluetooth-enabled Mesh Networking of Luminaires. Individual addressability enables luminaires to be communicated with each other within the zone/network. Luminaires can be grouped, trim and controlled by using the smart device app or connected wall switches. Scheduling, scene and sensors can be added for automation among the lights within the zone/group.

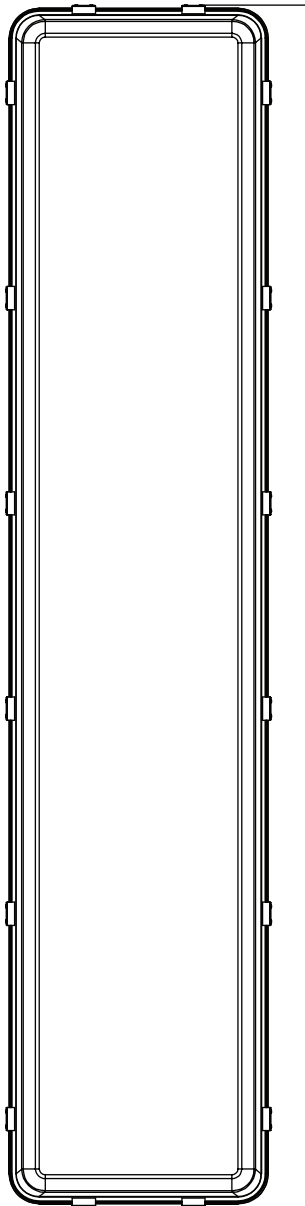
- **(-WBM)** Wireless bluetooth networked control with microwave occupancy and photocell sensor
- **(-WBN)** Wireless bluetooth networked control (node only)



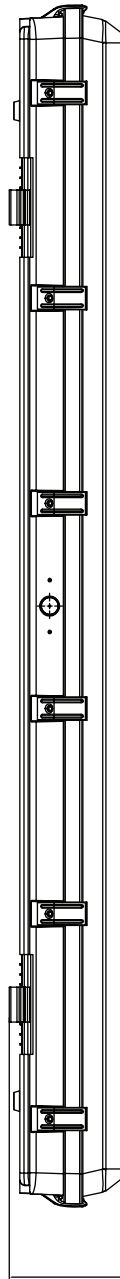
iOS/Andriod APP will be used to commissioning or customize settings of options: -WBM/-WBN networked controls.

DIMENSIONS

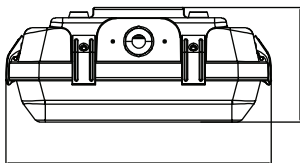
Weight 10 lbs



1206 mm
47-1/2 in

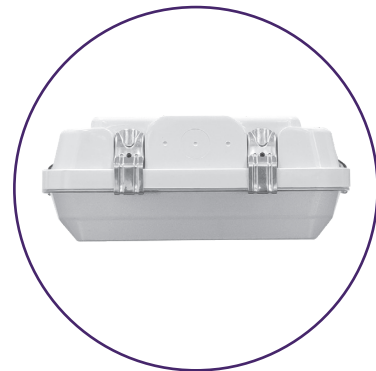


115 mm
4-1/2 in



266 mm
10-1/2 in

115 mm
4-1/2 in



NETWORKED CONTROLS MADE EASY

Keilton Networked Controls, a DLC® Qualified Networked Lighting Controls Product, make it easy for facilities to save energy, improve occupancy comfort and achieve code compliance by adding Luminaire Level Lighting Controls (LLLC) to indoor and outdoor applications. It allows for easy field installation of sensors and network nodes with selected PacLights controls ready fixtures. Using the Keilton app, nodes can be commissioned without the need for a gateway or internet access.



A Cost-Effective Decentralized Architecture
Direct Mobile Device Provisioning
Best-In-Class Scale, Performance & Reliability



LEARN MORE, VISIT
www.paclights.com/NLC



FEATURES

- Luminaire Level Lighting Control (LLLC)
- Bluetooth-enabled Mesh Networking of Luminaires and Devices
- Individual Addressability, address individual or multiple luminaires
- High-end and Low-end Trim
- Zoning & Grouping
 - ◊ Add and control up to 100 devices per zone
 - ◊ Add unlimited zones to scale for bigger installation
 - ◊ Create unlimited groups (combination of sensor or network nodes) within a zone
 - ◊ Link and control the whole group or zone
- Scene control
 - ◊ Create and link scenes to individual lights or groups within a zone
 - ◊ Select scene with App or wall switch
- Time Scheduling for individual lights, groups or scenes
- Sensors integrated with BLE, occupancy and daylight sensing
- Multi-level Dimming, Daylight Harvesting and Occupancy controls
- Manual/Automatic ON/OFF and Automatic partial ON/OFF control capability
- Control with wireless wall switch or smart device
- Secure commissioning with Keilton App
- Up to 100 ft node-to-node and 50 ft node-to-device
- Demand Response option (works with OpenADR gateways)
- Controlled 120v 20A Receptacle available
- Other control features to meet code compliance



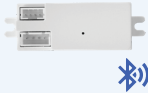
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 Keilton is the qualified system name listed on the DLC Networked Lighting Controls QPL.



NETWORKED CONTROLS for FVTA series

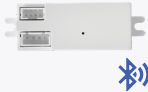



NETWORKED NODE ONLY

SKU	DESCRIPTION	FUNCTION	ORDER CODE
KEILTON-FA102	 KEILTON FA102 DC BLUETOOTH MESH NODE	Enable network controlled - on & off, dim, trim, zone, group, scene & schedule, etc.	-WBN

* factory installed, other components may be needed

NETWORKED NODE WITH SENSOR

SKU	DESCRIPTION	FUNCTION	ORDER CODE
KEILTON-FA102	 KEILTON FA102 DC BLUETOOTH MESH NODE	Enable network controlled - on & off, dim, trim, zone, group, scene & schedule, etc.	-WBM
KEILTON-MWS105	 KEILTON MWS105 ECO MICRO-WAVE DLH SENSOR	Enable sensor functionality to a NLC node - Microwave occupancy & daylight (harvesting) sensing	

* factory installed, other components may be needed

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