



The
FVTBTM
Series

Field-adjustable lumen & color
LED Vapor Tight Light





field-adjustable lumen & color
LED Vapor Tight Light

PROJECT: _____

DATE: _____

TYPE: _____

PREPARED BY: _____



KEY FEATURES
100,000-Hour LED lifespan
Field-adjustable CCT & Wattage on all models
Ingress Protection rating of IP66 for dust and water
Available in 4ft and 8ft length
Emergency Battery backup option available



TECHNICAL SPECIFICATIONS

COMPLIANCE

UL Listed

UL 1598 Suitable for wet locations

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

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

ELECTRICAL

Drivers

0-10V continuous dimming, can be dim to 10%

Input Voltage: 120-277V, 50-60 Hz

Power Factor: > 0.9

Wattage: FVTB-4D: 45w (adjustable to 38w or 34w by using a dip switch).

FVTB-8D: 90w (adjustable to 75w or 65w by using a dip switch).

Input Current: FVTB-4D: 0.42A (120v); 0.24A (208v); 0.21A (240v); 0.18A (277v).

FVTB-8D: 0.84A (120v); 0.48A (208v); 0.42A (240v); 0.37A (277v).

CONSTRUCTION

IP Rating

Ingress Protection rating of IP66 for dust and water

Ambient Temperature

Suitable for 50° C (122° F) ambient temperature

Cold Weather Starting

The minimum starting temperature is -4 F°/-20° C

Housing

Non-Corrosive (PC) Polycarbonate housing.
Stainless Steel spec grade hasps and clips.

Mounting Methods

- Surface mount (standard)
- Suspended mount (standard)

Green Technology

Mercury and UV free, and RoHS compliant.

Lens

Frosted

OTHER

5-Year Limited Warranty**

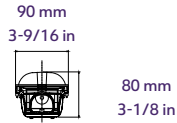
The PacLights 5-year, limited warranty covers light output, driver performance and paint finish.

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

TECHNICAL SPECIFICATIONS Continued

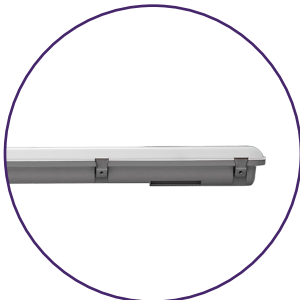
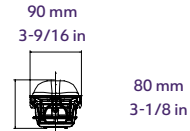
FVTB - 4D (4 Ft)

Weight 4.5 lbs



FVTB - 8D (8 Ft)

Weight 7.8 lbs



FINISHES
all models Gray

FIELD ADJUSTABLE Standard

TOOL-LESS FIELD ADJUSTABLE CCT & WATTAGE



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

- 45w / 38w / 34w on 4ft models
- 90w / 75w / 65w on 8ft models

EMERGENCY BACKUP Optional

EMERGENCY BACKUP (-EM)



FVTB 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 FVTB to an reduced brightness of 1,000 lumen for at least 90 mins.

CONTROLS Optional

BI-LEVEL OCCUPANCY CONTROL (-MM)

Microwave occupancy control detect motions even through plastic, glass and thin non-metal materials. It can be mounted as high as 48 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. Control parameters are adjustable on the sensor.

NETWORKED LIGHTING CONTROLS (-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.

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

PERFORMANCE

FVTB - 4D (4 Ft)

Light color temperature field-adjustable to 3500K/4000K/5000K, Output wattage field-adjustable to 45w/38w/34w

45W	3500K Warm	4000K Neutral	5000K Daylight
LUMENS	5,850	5,895	5,940
LM/W	130	131	132

38W	3500K Warm	4000K Neutral	5000K Daylight
LUMENS	5,054	5,092	5,130
LM/W	133	134	135

34W	3500K Warm	4000K Neutral	5000K Daylight
LUMENS	4,624	4,658	4,692
LM/W	136	137	138

FVTB - 8D (8 Ft)

Light color temperature field-adjustable to 3500K/4000K/5000K, Output wattage field-adjustable to 90w/75w/65w

90W	3500K Warm	4000K Neutral	5000K Daylight
LUMENS	11,700	11,790	11,880
LM/W	130	131	132

75W	3500K Warm	4000K Neutral	5000K Daylight
LUMENS	9,975	10,050	10,125
LM/W	133	134	135

65W	3500K Warm	4000K Neutral	5000K Daylight
LUMENS	8,840	8,905	8,970
LM/W	136	137	138

ORDERING INFORMATION

FVTB™

Family	Model	Optional Function
FVTB		

- 4D** 4ft, 45w/38w/34w power & 3500k/4000k/5000k CCT Adjustable
- 8D** 8ft, 90w/75w/65w power & 3500k/4000k/5000k CCT Adjustable

- EM** Emergency battery backup
- MM** Microwave Bi-level motion sensor control
- WBN** Networked Control (NLC)
- WBM** Networked Control (NLC) with Microwave Motion & Daylight sensor

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.

Keilton®



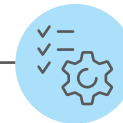
A Cost-Effective Decentralized Architecture

Direct Mobile Device Provisioning

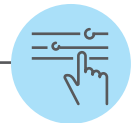
Best-In-Class Scale, Performance & Reliability



INSTALL



COMMISSION



CONTROL



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 via smart device App or wireless wall switch
- Secure commissioning with Keilton App
- Up to 100 ft node-to-node and 50 ft node-to-device
- Other control features to meet code compliance

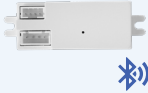
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DLC and its logo is a trademark of DesignLights Consortium.
Keilton is the qualified system name listed on the DLC Networked Lighting Controls QPL.



NETWORKED CONTROLS for FVTB series

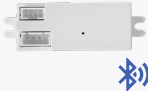
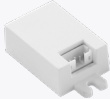


NETWORKED NODE ONLY

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

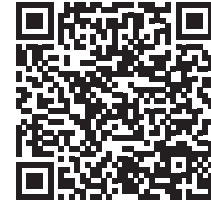
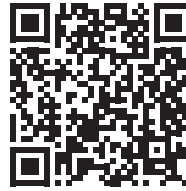
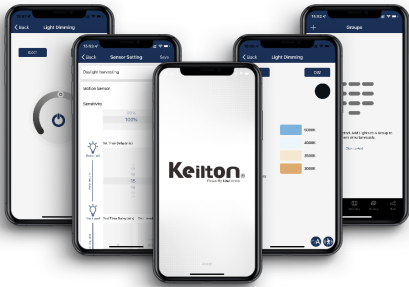
NETWORKED NODE AND SENSOR

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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COMMISSION & CONTROL SMART DEVICE APP



NETWORKED WALL SWITCH

SKU	DESCRIPTION	FUNCTION	APPLICATION
KEILTON-WP1025	 <p>KEILTON WP1025 BATTERY 5 BUTTON BLUETOOTH DIMMER SWITCH W/ SCENE CONTROLLER</p>	<p>Switch on/off, dim, or select up to 3 scenes, of an individual light or a group of lights (defined in the commissioning App). Battery powered.</p>	<p>Field installed, ideal for flexible or additional wall switch placement, indoor</p>
KEILTON-WP1017S	 <p>KEILTON WP1017S AC 7 BUTTON BLUETOOTH DIMMER SWITCH W/ SCENE CONTROLLER</p>	<p>Switch on/off, dim, or select up to 4 scenes, of an individual light or a group of lights (defined in the commissioning App). 120-277v AC powered.</p>	<p>Field installed, ideal for retrofitting existing wall switch, neutral wire (AC) is required, indoor</p>

OTHER

SKU	DESCRIPTION	FUNCTION	APPLICATION
KEILTON-CR01	 <p>KEILTON CR01 ENERGY MONITORING USB DONGLE W/ RTC</p>	<p>Records energy consumption of the assigned Zone. Offers real-time-clock (RTC) Sync of the Zone. USB (5v) powered, internal battery for RTC.</p>	<p>Field installed, one per Zone to satisfy energy audit, or to provide off-the-App time/schedule recovery from power-outage of the site.</p>

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