INSTALLATION GUIDE   FVTA Series LED Vapor Tight Light

 PacLights

FVTA4DUV 36/46/65   FVTA4DUV 100/150/200   FVTA8DUV 65/100

IMPORTANT

READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.
PacLights fixtures must be wired in accordance with the National Electrical Code and all applicable local codes. Proper grounding is required for safety.
THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.
**WARNINGS:**
* Make certain power is OFF before installing or maintaining fixture. No user serviceable parts inside.
* To prevent wiring damage or abrasion, do not expose wiring to edges of sharp objects.
CAUTION:
* For proper weatherproof function all gaskets must be seated properly and all screws inserted and tightened firmly. Apply weatherproof silicone sealant around the edge of the Back Box and/or Junction Box. This is especially important with an uneven wall surface. Silicone all plugs and unused conduit entries.

FVTA HARDWARE

The FVTA wiring hardware can be found inside the FVTA fixture. All FVTA fixtures follow the same process below. Unlock the latches, remove the lens, squeeze the Panel Clips, and lift the LED Panel where the hardware will be. The hardware consists of the wiring fitiings that attached to the ends of the fixture and the mounting kit with brackets to support the fixture. Remove the hardware from the package. Fasten the fittings to the end of the fixture by hand (Fittings are plastic, no tools needed). Slide the Power Cable through the fixture hole and fitting. The FVTA fixture can be end-to-end mounted with several FVTA fixtures. If installed as one unit, a Cap End can be installed at the other end.
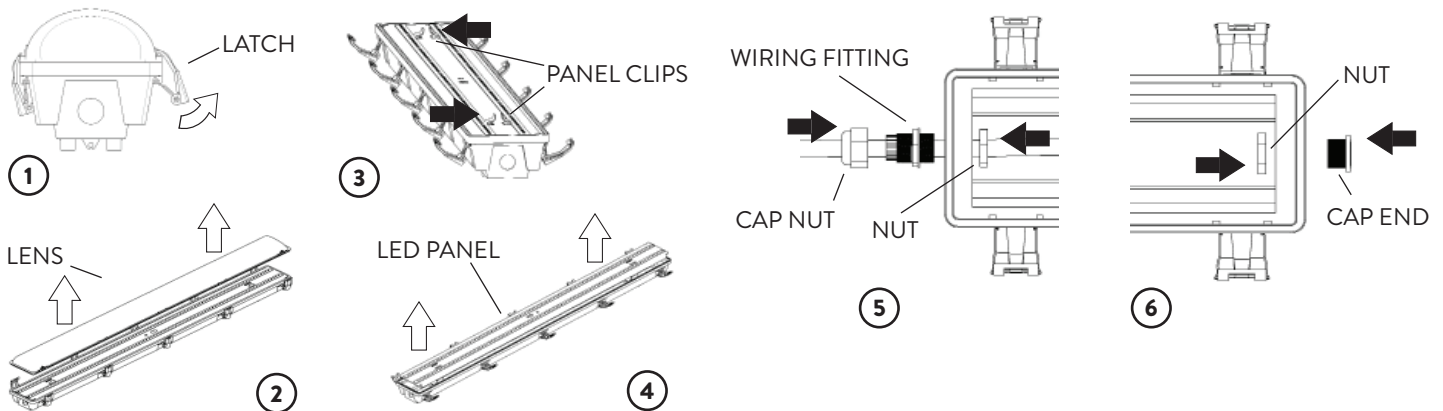

WIRING DIAGRAM

Connect the ACL and the ACN from the FVTA Fixture to the conduit with the AC power Supply Cable. Follow the Wiring Diagram provided.
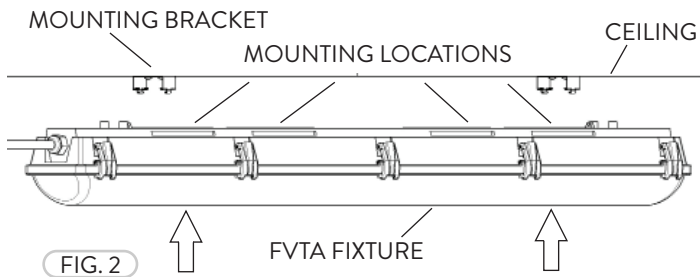
AC POWER SUPPLY
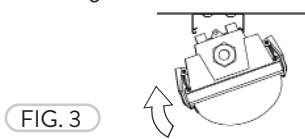
FVTA4D 36/46/65 & FVTA8D 65/100 SURFACE MOUNT

1 The Mounting Kit is inside the FVTA4D 36/46/65 and FVTA8D 65/100 fixtures. Refer to FVTA Hardware on Page 1 for removal. The Mounting Kit consists of the Mounting Brackets, screws, and plastic twist resistant anchors (Fig. 1).
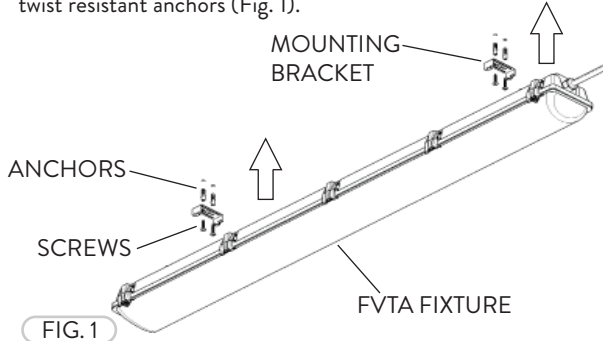
MOUNTING BRACKET
ANCHORS
SCREWS
FVTA FIXTURE
FIG. 1

2 Install the Mounting Kit flush to the ceiling with the plastic twist resistant anchors and screws provided. Note: Mounting Brackets can be installed inches apart to fit into the FVTA fixture bracket locations (Fig. 2). Lift the FVTA fixture housing to the Mounting Brackets to snap into place.
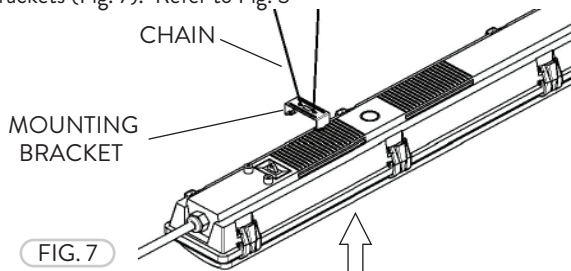
MOUNTING BRACKET
MOUNTING LOCATIONS
CEILING
FVTA FIXTURE
FIG. 2

3 Snap one side of FVTA fixture first, then press fixture into other side of brackets (Fig. 3).
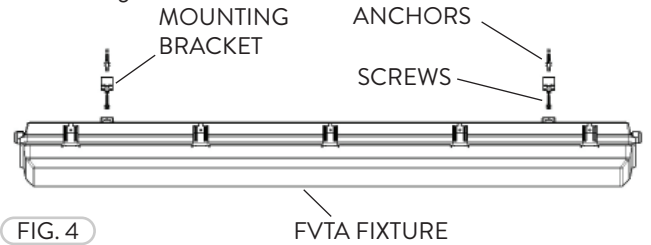
FIG. 3

FVTA4D 36/46/65 & FVTA8D 65/100 CHAIN MOUNT

Chain Mounting of the FVTA4D 36/46/65 and FVTA8D 65/100 fixtures can also be done using the same Mounting Brackets. After attaching the chains directly to the Mounting Brackets snap the FVTA housing onto the Brackets (Fig. 7). Refer to Fig. 3
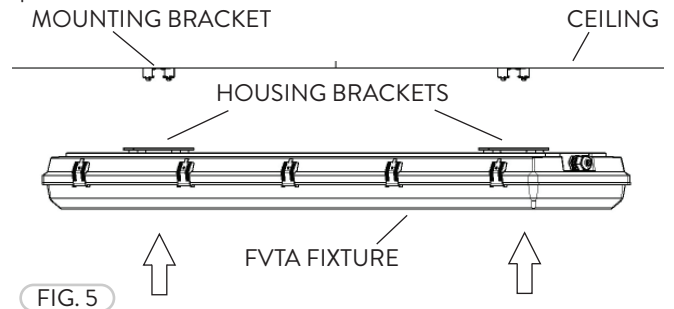
CHAIN
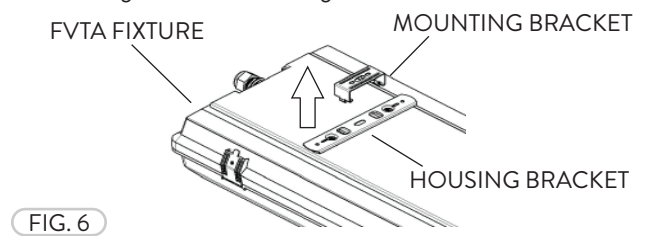MOUNTING BRACKET
FIG. 7

FVTA4D 100/150/200 SURFACE MOUNT

1 The Mounting Kit is inside the FVTA4D 100/150/200 fixtures. Refer to FVTA Hardware on Page 1 for removal. The Mounting Kit consists of the Mounting Brackets, screws, and plastic twist resistant anchors (Fig. 4).

MOUNTING BRACKET
ANCHORS
SCREWS
FVTA FIXTURE
FIG. 4

2 Install the Mounting Kit flush to the ceiling with the plastic twist resistant anchors and screws provided. Note: Mounting Brackets must be aligned specifically to the Housing Brackets to fit properly (Fig. 5). Lift the FVTA fixture housing to the Mounting Brackets to snap into place.

MOUNTING BRACKET
CEILING
HOUSING BRACKETS
FVTA FIXTURE
FIG. 5

3 Snap one side of FVTA fixture first, then press fixture into other side of bracket (Fig. 6). Also refer to Fig. 3.

FVTA FIXTURE
MOUNTING BRACKET
HOUSING BRACKET
FIG. 6

FVTA4D 100/150/200 CHAIN MOUNT

Chain Mounting of the FVTA4D 100/200 fixtures can also be done using the same Mounting Brackets (Fig 8). After attaching the chains to the V Hanging Clips, attached to the Mounting Brackets, snap the FVTA housing onto the Brackets (Fig. 9). Also refer to Fig. 3.

MOUNTING BRACKET
V-HANGING CLIP
CHAIN
FIG. 8
FIG. 9

PacLights
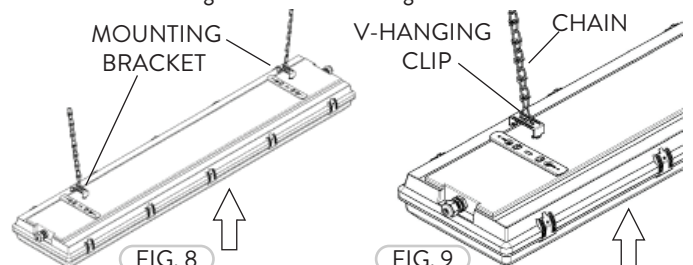
SE-MT-MC077V (OPTIONAL)

FIG. 10

DIM SWITCH

DIP SWITCH

FIG. 11

This Optional Integrated Microwave Occupancy Sensor is available for the FVTA4D 36/46/65 and the FVTA8D 65/100 fixtures (Fig. 10).
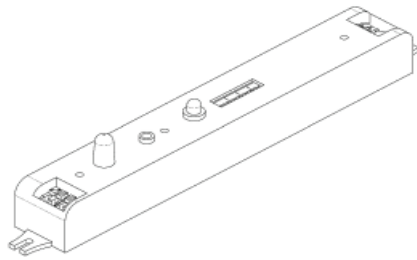
Stand-By Dimming Level

	1	2	
ON	ON	ON	50%
	ON	–	35%
	–	–	25%

This is a pre-setting dimming level you would like to have after the hold time in the long absence of people (Fig. 11).

Detection Area

	1	2	
ON	ON	ON	100%
	–	ON	75%
	ON	–	50%
	–	–	25%

Detection Area having motion and not enough ambient light will activate the sensor. The sensor can be set at 100%, 75%, 50%, or 25%.

Hold Time

	3	4	
ON	ON	ON	5S
	–	ON	5min
	ON	–	10min
	–	–	30min

Hold Time refers to the time period the fixture remains at 100% illumination after motion is detected. Hold Time can range from 5s to 30 minutes.

Daylight Sensor

	5	6	7	
ON	ON	ON	ON	5Lux
	ON	ON	–	25Lux
	ON	–	ON	50Lux
	–	ON	ON	100Lux
	–	–	–	Disable

The Daylight Sensor, measured in LUX can be set to allow the fixture to illuminate below a surrounding minimum ambient brightness threshold. The sensor can be set from 5 to 100 LUX. When set to Disable mode, the Daylight Sensor will switch on the fixture when motion is detected regardless of ambient light.

Stand-By Period

	8	9	
ON	ON	ON	0S
	–	ON	5min
	ON	–	15min
	–	–	+∞

The Stand-By period the light remains at a pre-setting dimming level before it completely switches off in the long absence of people. When set to 0s, the light will work as an on/off function. When set to both daylight sensor and stand-by period to Disable, the light will work as a 2-step dimming control (Motion detected, 100% lm, no motion, remains at a pre-setting level.
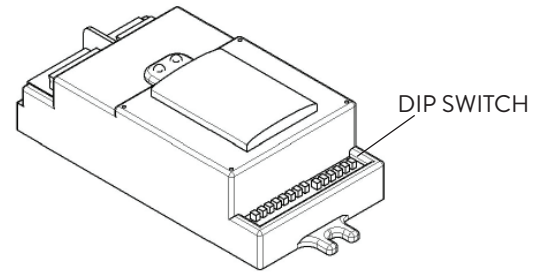
SE-MT-MC601V (OPTIONAL)

DIP SWITCH

FIG. 12

This Optional Integrated Microwave Occupancy Sensor is available for the FVTA4D 100/150/200 (HIGH BAY) Fixtures (Fig. 12).

		1	2	
ON	I	ON	ON	100%
	II	ON	–	75%
	III	–	ON	50%
	IV	–	–	10%

Detection Area

Detection Area having motion and not enough ambient light will activate the sensor. The sensor can be set at 100%, 75%, 50%, or 10%.

		3	4	5	
ON	I	ON	ON	ON	5s
	II	–	ON	ON	30s
	III	ON	–	ON	90s
	IV	–	–	ON	3min
	V	ON	ON	–	20min
	VI	–	–	–	30min

Hold Time

Hold Time refers to the time period the fixture remains at 100% illumination after motion is detected. Hold Time can range from 5s to 30 minutes. The fixture will remain at full illumination until 'Hold Time' ends, then reducing to Stand-By Dimming Level.

		6	7	8	
ON	I	ON	ON	ON	0s
	II	–	ON	ON	5s
	III	ON	–	ON	5min
	IV	–	–	ON	10min
	V	ON	ON	–	30min
	VI	–	ON	–	1h
	VII	–	–	–	+∞

Stand-by Period

The Stand-By period begins when the 'Hold Time' ends. The fixture remains at a Stand-By Dimming Level before it completely switches off while motion is not present. When set to "+∞" mode, the low led light is held until motion is detected.

		1	2	3	4	
ON	I	–	–	ON	ON	2Lux
	II	–	–	–	ON	5Lux
	III	–	ON	ON	–	10Lux
	IV	–	–	ON	–	25Lux
	V	–	ON	–	–	50Lux
	VI	ON	–	–	–	100Lux
	VII	–	–	–	–	Disable

Daylight (Photo) Sensor

The Daylight Sensor, measured in LUX can be set to allow the fixture to illuminate below a surrounding minimum ambient brightness threshold. The sensor can be set from 2 to 100 LUX. When set to Disable mode, the Daylight Sensor will switch on the fixture when motion is detected regardless of ambient light.

		5	6	
ON	I	ON	ON	50%
	II	–	ON	30%
	III	ON	–	20%
	IV	–	–	10%

Stand-By Dimming Level

Stand-By Dimming Level is when 'Hold Time' has ended, there is no movement in the area and the light output is reduced. The Stand-By Dimming Level can be set at 50%, 30%, 20%, or 10%.