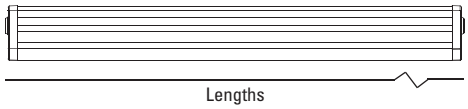
THE ONE LV Linear LED

High Output



Lengths
$5^{13}/_{16}$", $11^{5}/_{16}$", $23^{5}/_{16}$", $47^{5}/_{16}$"

TOLVW1

LUMINAIRE INFORMATION

APPLICATION: Cove lighting, display cases, shelf lighting, inaccessible areas and heat or UV sensitive installations.

LUMENS: Approximate total lumens per foot shown.

	Clear Lens	Frosted Lens
2700K	240 lm/ft	209 lm/ft
3000K	323 lm/ft	289 lm/ft
3500K	327 lm/ft	300 lm/ft

Consult factory for additional information.

POWER CONSUMPTION:
Varies. See Power Supply information on page 3.

COLOR RENDERING INDEX:
85+ Typical CRI

DIMMING:
Dimmable 24VDC driver available. See chart on page 3 for compatible dimmers.

COLOR TEMPERATURE: Available in:
2700K 2700 ±100K
3000K 3030 ±100K
3500K 3455 ±125K

LENS:
High strength Acrylic available in clear or frosted.

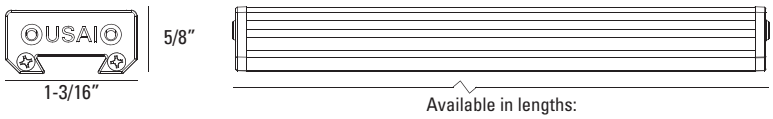
HOUSING:
Anodized aluminum extrusion w/ injection molded end caps.

LIGHT ENGINE:
High power white LEDs, tightly binned for fixture to fixture color consistency.

RATED LIFE:
Based on IESNA LM80-2008 50,000 HRS@70% lumen maintenance (L70)

LISTING:
Dry/damp location
IBEW Union made

DIMENSIONS (shown with fixed mounting option)

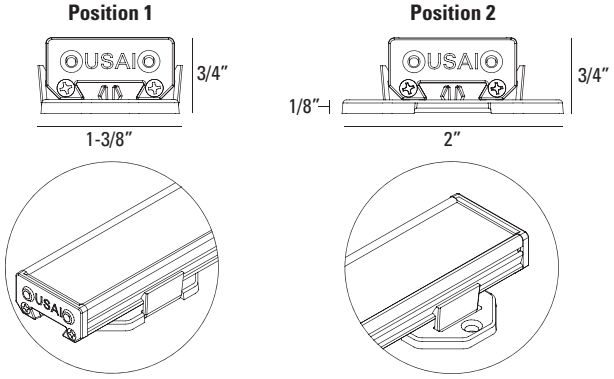


Mounting Feet Per Length:
Mounting feet can be positioned at any position along the length of the fixture.

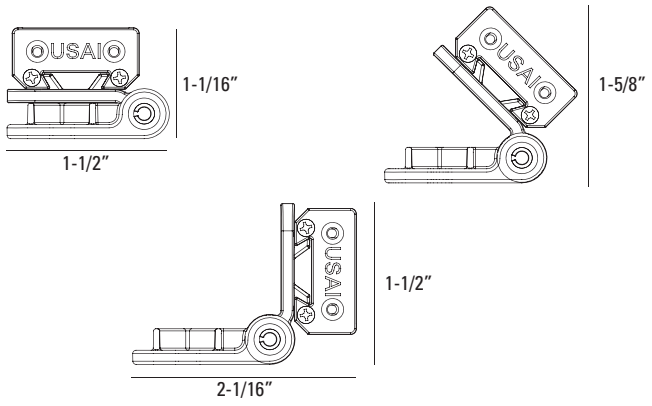
H06 - 2 Mounting Feet
H12 - 2 Mounting Feet
H24 - 2 Mounting Feet
H48 - 3 Mounting Feet

MOUNTING OPTIONS

FM - Fixed Mounting
Injection molded fixed MTG feet w/rotating base for multiple mounting options.



RM - Rotating Mounting
Injection molded self-locking rotating mounts 0-90 degree tilt.



HOW TO SPECIFY

Series	Length	Color Temperature	Lens	Mounting	Connector Options	Power Supplies (Page 3)*
TOLVW1						
TOLVW1 Low Voltage Linear LED	**H06** - $5^{13}/_{16}$" **H12** - $11^{5}/_{16}$" **H24** - $23^{5}/_{16}$" **H48** - $47^{3}/_{16}$"	**27S** - 2700K **30S** - 3000K **35S** - 3500K	**CL** - Clear **FL** - Frosted	**FM** - Fixed **RM** - Rotating	**LVSJ** - Straight Connector 11/16" **LVSJR** - Straight Joiner Rotating Mounts **LVFJ6** - Flexible Corner Connector 6" **LVFJ12** - Flexible Corner Connector 12" **LVFJ24** - Flexible Corner Connector 24" **LVJW-480** - Mini spool 480" 18 AWG Wire **LVCA** - Conduit Adapter **LVDT** - Dovetail Connector	**LPSDC1-100-J1D*** - 100W 120/24V DC Dimming **LPSDC1-50-J1D*** - 50W 120/24V DC Dimming **LPSDC1-300-J1D*** - 300W 120/24V DC Dimming **LPSDC3-100-E1D** - 100W 100-277/24V DC Dimming **LPSDC3-100-L1N** - 100W 100-277/24V DC **LPSDC3-60-L1N** - 60W 100-277/24V DC

*Also available in 277V (LPSDC2)

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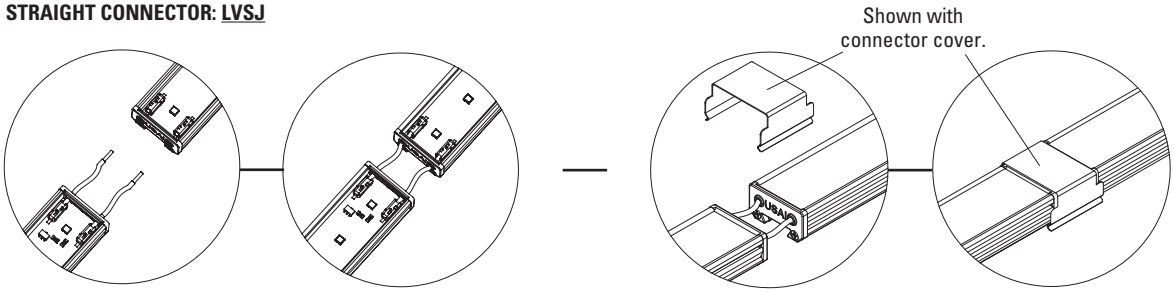
THE ONE™ LV Linear LED

Connector Options

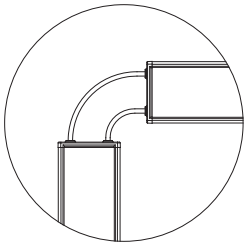
MULTIPLE CONNECTOR OPTIONS

STRAIGHT CONNECTOR: LVSJ

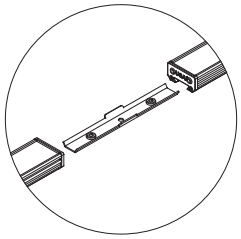


FLEXIBLE CONNECTOR: LVFJ

Allows connection of fixtures around corners at any angle.

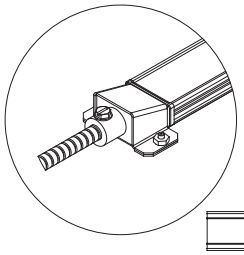


DOVETAIL JOINER: LVDT

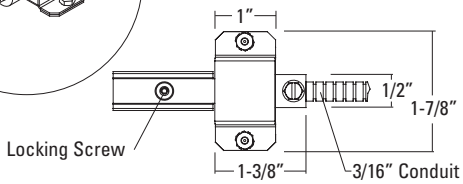


Unique dovetail connector allows the ability to mechanically connect multiple lengths on the floor & lift as one coupled unit to mounting location. Also, works with RM to rotate multiple lengths as one unit.

CONDUIT ADADPTER: LVCA

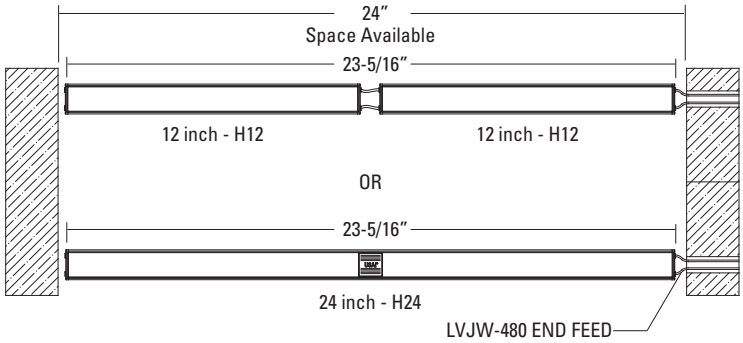


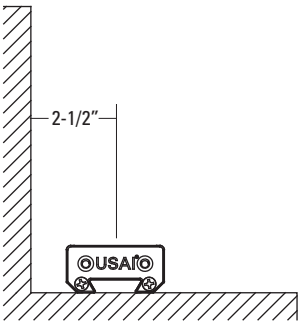
Conduit adapter used couples 3/16" metal conduit to the end of the first fixture in the run. Used only where required by code.



LAYOUT INFORMATION

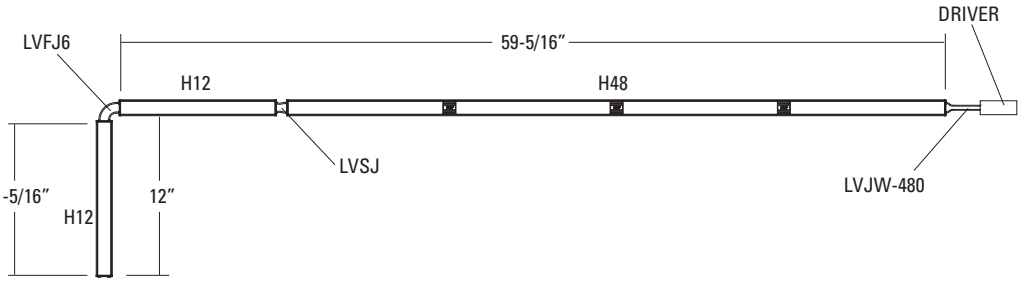
- Recommended as primary usage for indirect cove and under cabinet installations in accordance with recommended minimum setback.
- Applications that require less than recommended minimum setback, edge lighting or back lighting may experience marginal color shift color shift due to individual LED pixel variation within ANSI sub-bin.
- This potential variation would be most noticeable to the human eye @ 2700K, less pronounced @ 3000K and barely noticeable @ 3500K.





RECOMMENDED MINIMUM SET BACK

TYPICAL CONFIGURATION



SHOWN WITHOUT MOUNTING

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THE ONE LV Linear LED

Driver for use with TheOne series TOLVW1 only

DRIVER INFORMATION

APPLICATION: For use with TheOne® linear LED fixtures.

DIMMING:
Dimmable 24VDC drivers available.
See chart below for compatible supply and dimmers.

MATERIAL:
Transformer housing is made of metal construction.

OPERATING TEMPERATURE:
Maximum ambient operating temperature is 50°C.

LISTING:
Dry/damp location. All drivers are UL Class 2 listed. All drivers are ETL listed for use with TheOne® product family.
IBEW Union made.

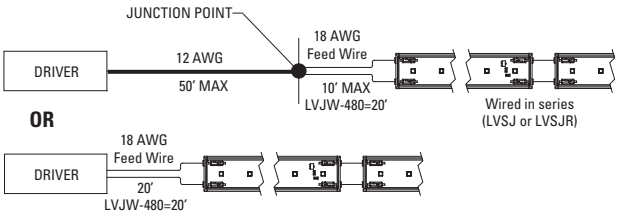
DRIVER SELECTION CHART

	DRIVER	PRIMARY VOLTAGE	WATTS	MAX RUN LENGTH[2]	POWER[3] (W/FT)	DIMMER TYPE	DRIVER PER DIMMER SWITCH[4] 600VA	DRIVER PER DIMMER SWITCH[4] 1000VA	FIGURE
DIMMING	LPSDC3-100-E1D	100-277VAC	100	18′	6.3	0-10V	N/A	N/A	Fig. 3
	LPSDC1-100-J1D	120VAC	100	18′	7.37	MLV	1	1	Fig. 1
	LPSDC1-300-J1D	120VAC	3X 100[1]	3X 18′	7.37		1	1	Fig. 4
	LPSDC1-50-J1D	120VAC	50	9′	7.37		1	1	Fig. 1
	LPSDC2-100-J1D	277VAC	100	18′	7.37		1	1	Fig. 1
	LPSDC2-300-J1D	277VAC	3X 100[1]	3X 18′	7.37		1	1	Fig. 4
	LPSDC2-50-J1D	277VAC	50	9′	7.37		1	1	Fig. 1
NON-DIM	LPSDC3-100-L1N	100-277VAC	100	18′	6.3	N/A	N/A		Fig. 2
	LPSDC3-60-L1N	100-277VAC	60	11′	6.3				Fig. 2

1. All 3 runs must dim as one.
2. Assumes no excessive jumper lengths and driver is wired as shown in remote driver wiring diagram.
3. Power consumption values are given for a fully loaded power supply
4. For 0-10V dimming, driver limitation is dependent on AC power switch.

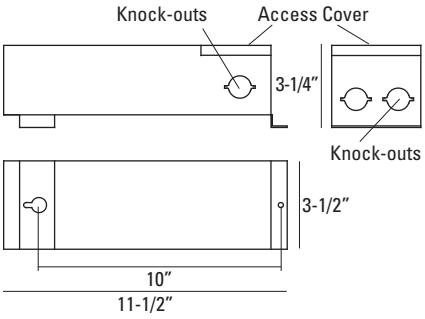
NOTES:
- Must use USAI drivers
- Do not install in wet locations.
- See table for maximum run length of drivers.
- Drivers must be installed in accordance to national and local electrical codes.
- Equipped with secondary overload protection.
- **Ordering Information on page 1.**

REMOTE DRIVER WIRING



DIMENSIONS

FIGURE 1



DIMMER COMPATIBILITY

J1D - DRIVERS	
Model	**Measured Light Output**
Lutron: RRD-6NA	2-100%
Lutron: GP (Harrier) Card	8-100%
Lutron: Grafik Eye QS Main Unit	1-100%
Lutron: HW/LP-RPM-4U-120	1-100%
Lutron: HW/LP-RPM-4A-120	1-100%
Lutron: PHPM-WBX W/DVF 103P	8-100%
Lutron: N2V-600	7-100%
E1D - DRIVERS	
Crestron: CLS-EXP-DIMFLV	1-100%
Crestron: DIN-4DIMFLV4	1-100%
Crestron: GLX-DIMFLV8	1-100%
Crestron: GLXP-DIMFLV8	1-100%
Crestron: DIN-A08	1-100%
Lutron: QSN-4T16-S	2-100%
Lutron: GRX-TVI with QSG-BULK-6E120	3-99%
Lutron: DVTV/NFTV/NTFTV with PP-20	1-100%
TVM2 Module	5-100%

FIGURE 3

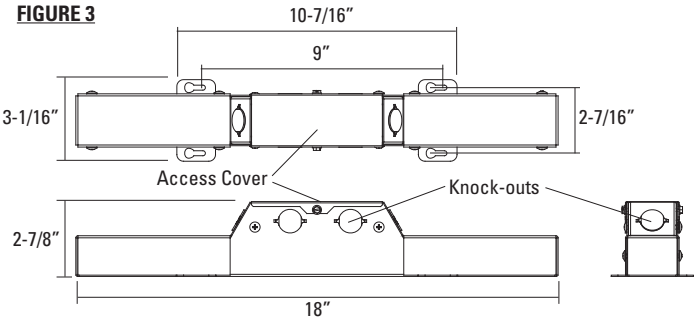


FIGURE 2

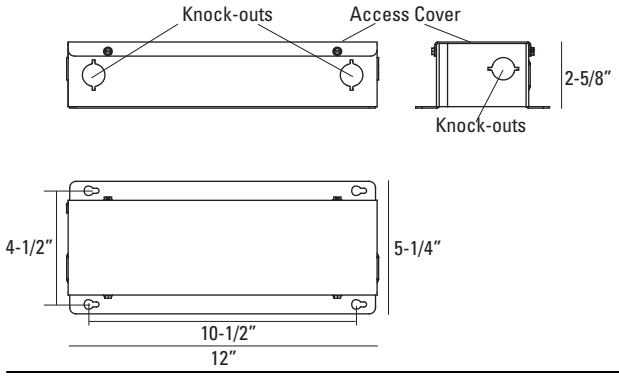
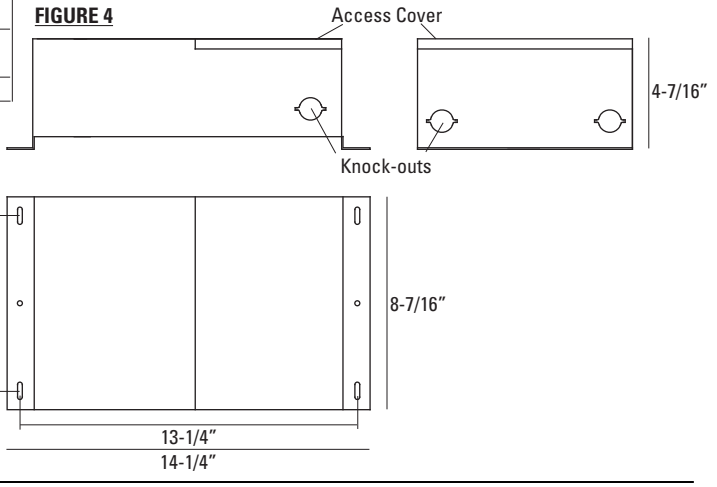


FIGURE 4



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