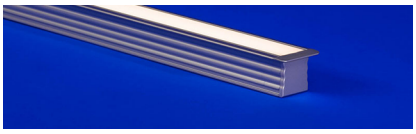
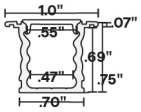
ESSENTIALS FLUR™-FLAT (01) WD APPLICATIONS

24VDC Linear Fixtures - Recessed

410.2 & 410.16 Closet Rated in 1.5HE





- Deep flanged recessed fixture
- Choose from diffused, polar, or frosted lens options for varying diode visibility and beam angles
- Stainless steel mounting clips
- Features painted end caps to match extrusion finish
- Suitable for installation in the storage area of a clothes closet when specified with LEDs at 4.0 watts or less per foot per NEC regulations
- Used in applications to provide warmer CCTs as the light is dimmed
- When using DALI and DMX power supplies, LED wattage must be doubled

INFORMATION REQUIRED FOR LIGHTING SCHEDULE

1 PRODUCT	2 WATTS/ FT	3 CCT	4 RATED	5 EFFICIENCY	6 LENS

ADDITIONAL INFORMATION REQUIRED TO ORDER

7 WIRE INPUT/ OUTPUT	8 CONNECTOR/ WIRE IN	9 CONNECTOR/ WIRE OUT	10 WIRE COLOR	11 WIRE TYPE	12 MOUNTING	13 FINISH	14 LENGTH (IN)	15 EXACT/ OPTIMAL
					SST			

Sample Part Number: **FL1WD-6.0-19/30-DRY-WO-DF-P1-BW-BW-BK-CL2-SST-BK-48"-E**

1 PRODUCT

FL1DW
FL1DW-USA

Select USA option for BAA and BABA projects. Only DRY ratings apply.

LED engine is built with 3 wires requiring 0-10V, DMX or DALI control. Using DALI, DMX, or non QTL power supplies may double watts/ft. See following pages for compatible power supplies.

FL1WD

LED engine is built with 2 wires suitable for phase dimming control.
See following pages for compatible power supplies.

2 WATTS/FT

1.5HE	1.5W/ft HE
2.5HE	2.5W/ft HE
4.0HE	4.0W/ft HE
1.5HE	1.5W/ft HE
2.5HE	2.5W/ft HE
6.0	6.0W/ft

3 CCT

18/30	1800K/3000K
18/35	1800K/3500K
20/27	2000K/2700K
20/30	2000K/3000K
24/40	2400K/4000K
27/40	2700K/4000K
27/55	2700K/5500K
18/30	1800K/3000K
18/35	1800K/3500K
20/27	2000K/2700K
20/30	2000K/3000K
24/40	2400K/4000K
27/40	2700K/4000K
27/55	2700K/5500K
19/27	1900K/2700K
19/30	1900K/3000K

4 RATED

DRY	IP20
DMP	IP54
DRY	IP20
DMP	IP54

5 EFFICIENCY

STD	Standard
WO	White Optics

WhiteOptics - Internal coating, greater lumen output

6 LENS

DF	Diffused
PR	Polar
FR	Frosted

For representation of LED visibility, see Diode Visibility section on following pages. For beam angles, see Photometric Performance section on following pages

7 WIRE INPUT/OUTPUT

SINGLE (Input only)

S1	End Feed
S2	Bottom Feed

PASS THROUGH (Input/output)

P1	End Feed
P2	Bottom Feed

For continuous mounting, consider bottom feed.

8 CONNECTOR/WIRE IN

BW	Bare Wire (Standard 24")
BRL	Barrel
CON6	Connector 6"
CON24	Connector 24"

BRL only available with FL1WD
BW: Standard length is 24", Max length is 120".
Request custom length by writing in part number next to BW (example: BW48)

9 CONNECTOR/WIRE OUT

CLS	Closed End (No feed)
BW	Bare Wire (Standard 24")
BRL	Barrel
CON6	Connector 6"
CON24	Connector 24"

BRL only available with FL1WD
BW: Standard length is 24", Max length is 120".
Request custom length by writing in part number next to BW (example: BW48)

10 WIRE COLOR

WH	White
BK	Black
N/A	For Barrel

wet barrel only available in black

11 WIRE TYPE

CL2	Class 2
CL2P	Plenum Rated
N/A	For Barrel

CL2P only available with bare wire leads (BW)

12 MOUNTING

SST	Stainless Steel

13 FINISH

ST	Satin
BK	Black
CU	Custom

Custom finishes require a longer lead time, consult factory

14 LENGTH (IN)

Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12".

15 EXACT/OPTIMAL

O	Optimal Illumination
E	Exact Specified Length

Exact fixtures match the exact length you specify, but they may have dim spots at the ends. Optimal fixtures are slightly shorter than the length specified, but provide full illumination from end to end. See Exact/Optimal Fixture Length charts.

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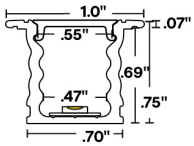
Specification subject to change. Rev-09-16-26

5 year warranty | Warranty only valid with QTL power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance

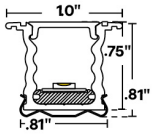
ESSENTIALS FLUR™-FLAT (01) WD APPLICATIONS

24VDC Linear Fixtures - Recessed

1 PRODUCT - DIMENSIONS



Profile



Profile with stainless steel mounting clip and mounting tray

2 DELIVERED LUMENS

[Calculated L70 = 70000 hrs]
Tested with FL1DW-**-30-DRY-STD

	1.5HE W/FT		2.5HE W/FT		4.0HE W/FT	
	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI
FR	118	98	186	98	289	98
PR	96	98	152	98	237	98
DF	71	98	113	98	175	98

[Calculated L70 = 70000 hrs]
Tested with FL1WD-6.0-30-DRY-STD

	3000K	
	LM/FT	CRI
FR	314	97
PR	255	97
DF	221	97

[Calculated L70 = 70000 hrs]
Tested with FL1DW-**-30-DRY-WO

	1.5HE W/FT		2.5HE W/FT		4.0HE W/FT	
	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI
FR	131	98	206	98	321	98
PR	110	98	174	98	271	98
DF	85	98	134	98	208	98

[Calculated L70 = 70000 hrs]
Tested with FL1WD-6.0-30-DRY-WO

	3000K	
	LM/FT	CRI
FR	349	97
PR	285	97
DF	237	97

6 DIODE VISIBILITY



DF - Diffused lens

PR - Polar lens

FR - Frosted lens

PHOTOMETRIC PERFORMANCE

Nominal beam spread shown, beam spread varies based on light engine. For more detailed information, see photometric data.



45°

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ESSENTIALS FLUR™-FLAT (01) WD APPLICATIONS

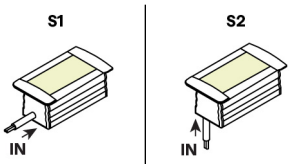
24VDC Linear Fixtures - Recessed

TEMPERATURE RATINGS

		DW 1.5 HE W/FT		DW 3.0 HE W/FT		DW 2.5 HE W/FT		DW 5.0 HE W/FT		DW 4.0 HE W/FT		DW 8.0 HE W/FT			
		QTL power supply other than DALI, DMX		DALI, DMX, or non-QTL power supply		QTL power supply other than DALI, DMX		DALI, DMX, or non-QTL power supply		QTL power supply other than DALI, DMX		DALI, DMX, or non-QTL power supply		WD 6.0 W/FT	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
DRY	Ambient Operating Temp - Recessed	-4°F	140°F	-4°F	125°F	-4°F	130°F	-4°F	110°F	-4°F	120°F	-4°F	100°F	-4°F	110°F
	Ambient Operating Temp - Surface	**	**	**	**	**	**	**	**	**	**	**	**	**	**
DMP	Ambient Operating Temp - Recessed	-4°F	140°F	-4°F	125°F	-4°F	130°F	-4°F	110°F	—	—	—	—	-4°F	110°F
	Ambient Operating Temp - Surface	**	**	**	**	**	**	**	**	—	—	—	—	**	**

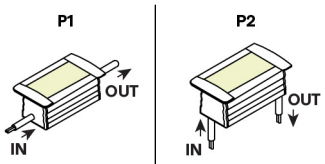
7 WIRE INPUT/OUTPUT

SINGLE (Input only)



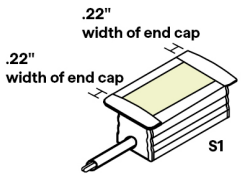
End Feed | Bottom Feed

PASS THROUGH (Input/Output)

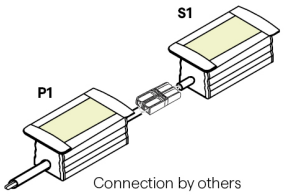


End Feed | Bottom Feed

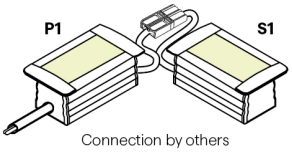
CONFIGURATION OPTIONS



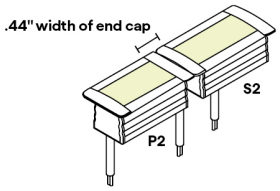
Single End Feed



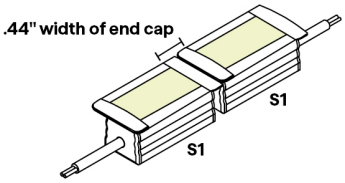
Non-Continuous End Feed



Non-Continuous Corner Feed



Non-Continuous Bottom Feed

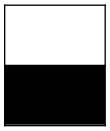


Non-Continuous End to End Feed

8/9 CONNECTOR/WIRE – IN/OUT

Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out

10 WIRE COLOR



White

Black

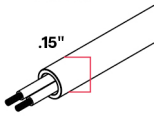
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Specification subject to change. Rev-09-16-26

ESSENTIALS FLUR™-FLAT (01) WD APPLICATIONS

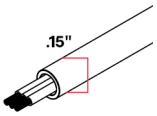
24VDC Linear Fixtures - Recessed

BW
For WD



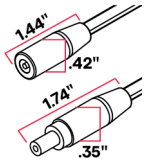
Bare Wire 24"
22 AWG

BW
For DW-HE



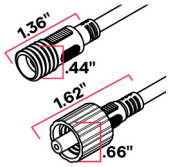
Bare Wire 24"
22 AWG

BRL



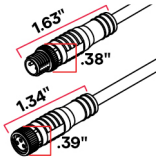
Barrel 6" - DRY/DMP | 22 AWG

BRL



Barrel 6"- WET | 22 AWG

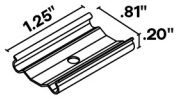
CON6/CON24



6" or 24" Overall
Wire Connector | 22 AWG
IP67 Rated, UL Listed

12 MOUNTING

SST



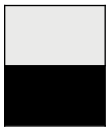
Stainless Steel Clip

2 clips provided for 4' or less; 4 clips provided for greater than 4'

To order separately use SST-01

Each clip comes with a #4 x 5/8" Flat Head SS

13 FINISH



Satin

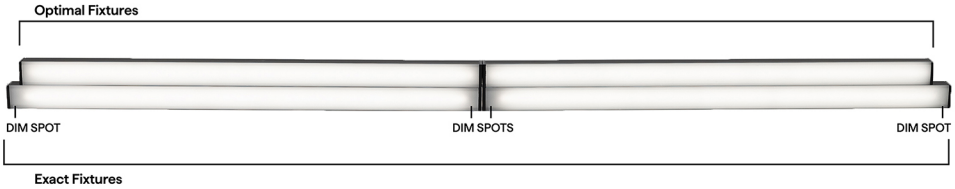
Black

Custom finishes require a longer lead time, consult factory

14 EXACT/OPTIMAL FIXTURE LENGTH

E/O Length Calculator → E/O Explained →

Exact fixtures are the exact length specified. Optimal fixtures' length is rounded down based on LED cut points to allow the fixture to be illuminated end to end. For runs with multiple fixtures that need to fill a specific length, it's recommended to order all optimal fixtures with an exact fixture at the end of the run.



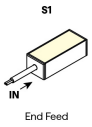
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ESSENTIALS FLUR™-FLAT (01) WD APPLICATIONS

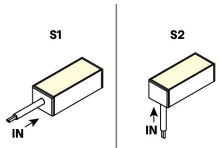
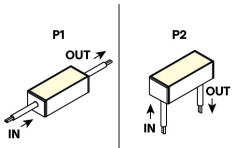
24VDC Linear Fixtures - Recessed

DW-HE DRY DMP LENGTHS BY INCH

EXACT LENGTH

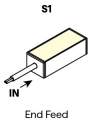
Requested Length	Potential dim spot on either end of a S1 fixture 
12"	1"
13"	0.5"
14"	1"
15"	0.5"
16"	1"
17"	0.5"
18"	1"
19"	0.5"
20"	1"
21"	0.5"
22"	1"
23"	0.5"
24"	1"
36"	1"
48"	1"
60"	1"
72"	1"
84"	1"
96"	1"

OPTIMAL LENGTH

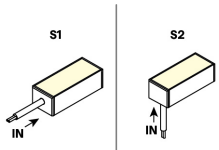
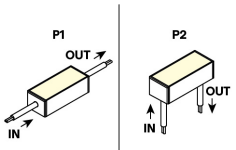
Requested Nominal Length	S1 & S2 	P1 & P2 
12"	10.51"	10.86"
13"	12.51"	12.86"
14"	12.51"	12.86"
15"	14.51"	14.86"
16"	14.51"	14.86"
17"	16.51"	16.86"
18"	16.51"	16.86"
19"	18.51"	18.86"
20"	18.51"	18.86"
21"	20.51"	20.86"
22"	20.51"	20.86"
23"	22.51"	22.86"
24"	22.51"	22.86"
36"	34.51"	34.86"
48"	46.51"	46.86"
60"	58.51"	58.86"
72"	70.51"	70.86"
84"	82.51"	82.86"
96"	94.51"	94.86"

WD DRY DMP LENGTHS BY INCH

EXACT LENGTH

Requested Length	Potential dim spot on either end of a S1 fixture 
12"	1"
13"	0.5"
14"	1"
15"	0.5"
16"	1"
17"	0.5"
18"	1"
19"	0.5"
20"	1"
21"	0.5"
22"	1"
23"	0.5"
24"	1"
36"	1"
48"	1"
60"	1"
72"	1"
84"	1"
96"	1"

OPTIMAL LENGTH

Requested Nominal Length	S1 & S2 	P1 & P2 
12"	10.41"	10.66"
13"	12.41"	12.66"
14"	12.41"	12.66"
15"	14.41"	14.66"
16"	14.41"	14.66"
17"	16.41"	16.66"
18"	16.41"	16.66"
19"	18.41"	18.66"
20"	18.41"	18.66"
21"	20.41"	20.66"
22"	20.41"	20.66"
23"	22.41"	22.66"
24"	22.41"	22.66"
36"	34.41"	34.66"
48"	46.41"	46.66"
60"	58.41"	58.66"
72"	70.41"	70.66"
84"	82.41"	82.66"
96"	94.41"	94.66"

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ESSENTIALS FLUR™-FLAT (01) WD APPLICATIONS

24VDC Linear Fixtures - Recessed

COMPATIBLE POWER SUPPLIES

See power supplies cut sheets for more information. Data subject to change, all data has +/- 5% tolerance.

DIM TO LEVEL	INDOOR	
	DW-HE Warm Dim Applications	WD
0.1%	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+WD QT-CAB-eLED+WD-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT8 QTM-eLED+DALI-DT8-AWN QTM-eLED+WD QTM-eLED+WD-AWN QZ-DW	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-BOWTIE+DIMMER QZ-DMX QZ-PRO-PH/0-10V QZ-STICK-PH/0-10V QZLP
1%	QZ-DALI-DT8	QTM-eLED(E) QZ-DALI-DT6
10%	Non-Dim Power Supply with WD App Dongle	Non-Dim Power Supply with SW App Dongle

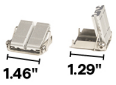
DIMMING PROTOCOL	INDOOR	
	DW-HE Warm Dim Applications	WD
Phase	QZ-DW	QT-CAB-QZ-PH/0-10V QTM-eLED(E) QZ-BOWTIE+DIMMER QZ-PRO-PH/0-10V QZ-STICK-PH/0-10V QZLP
0-10V	QT-CAB-eLED+WD QT-CAB-eLED+WD-AWN QTM-eLED+WD QTM-eLED+WD-AWN QZ-DW	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QTM-eLED+0-10V QZ-PRO-PH/0-10V QZ-STICK-PH/0-10V QZLP
Lutron Athena	QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+WD-AWN QTM-eLED+DALI-DT8-AWN QTM-eLED+WD-AWN	QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+DALI-DT6-AWN
ECO System		QTM-eLED(E)
DMX If using DW LED, wattage must be doubled		QZ-DMX
DALI-2: DT6 If using DW LED, wattage must be doubled except for AWN	QT-CAB-eLED+DALI-DT6 QTM-eLED+DALI-DT6	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-DALI-DT6
DALI-2: DT8 If using DW LED, wattage must be doubled except for AWN	QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DALI-DT8-AWN QTM-eLED+DALI-DT8 QTM-eLED+DALI-DT8-AWN QZ-DALI-DT8	
SCENE App Dimmed	Non-Dim Power Supply with WD App Dongle	Non-Dim Power Supply with SW App Dongle

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ESSENTIALS FLUR™-FLAT (01) WD APPLICATIONS

24VDC Linear Fixtures - Recessed

COMPATIBLE MOUNTING ACCESSORIES

HINGE - HMB-M	HINGE - HMB-L	HINGE - HMB-XL	Q-PIVOT	Q-ANGLE	VHB
					
Adjustable mounting bracket - Medium	Adjustable mounting bracket - Large	Adjustable mounting bracket - XLarge	Small mounting accessory	Adjustable mounting accessory	Double sided mounting tape

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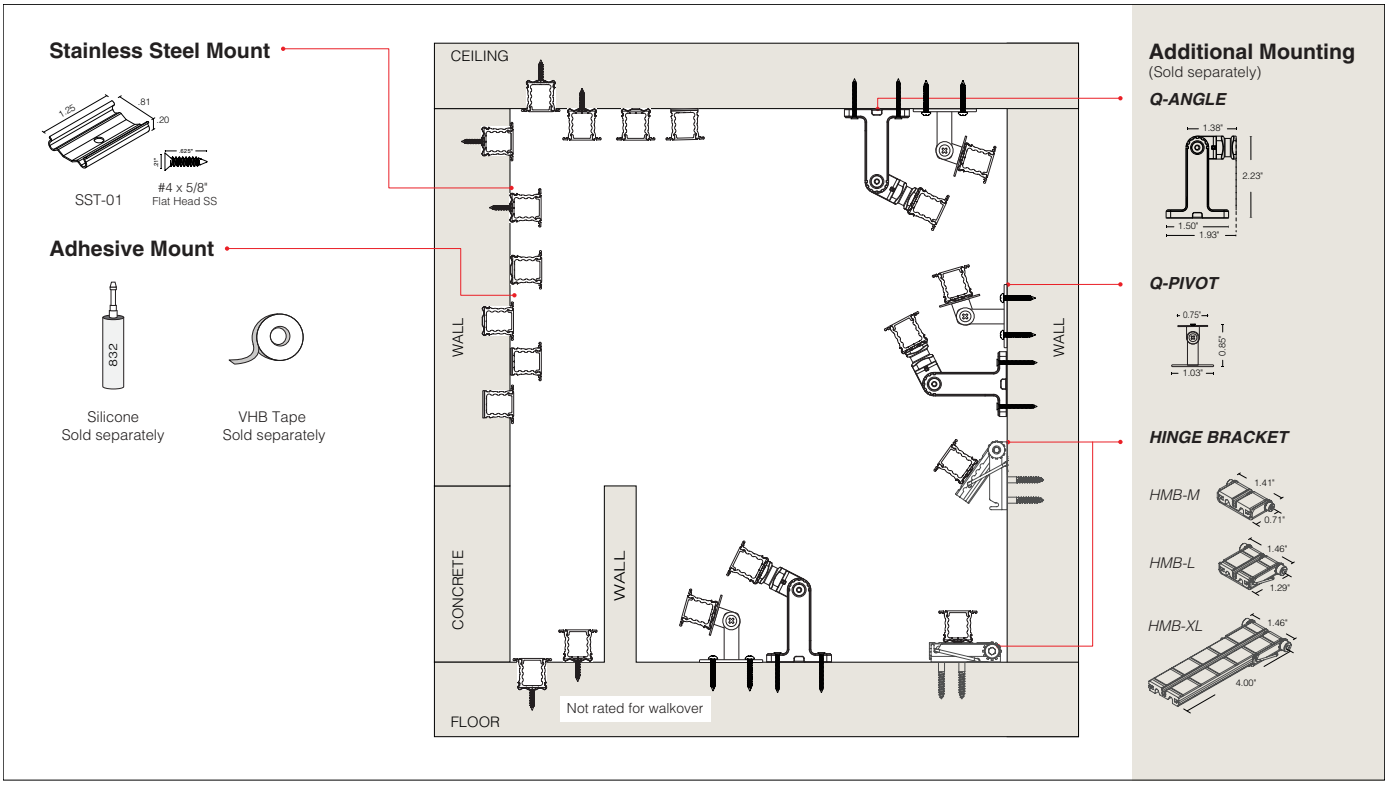
ESSENTIALS FLUR

Linear Fixture Installation Instructions

ATTENTION: Please read all instructions BEFORE installation

- Product to be installed by a licensed electrician - Field modifications void warranty
- Use only with Class 2 power supply unit — Warranty only valid with QTL power supplies
- Surface mount or recessed in millwork
- Suitable for installation in storage area of a clothes closet when assembled as a finished fixture up to 4W/ft at QTL facility
- Not rated for walkover
- Input Voltage: 24VDC
- Diagrams for representation only and not to scale.

METHODS OF INSTALLATION:



Surface Mounting Methods

- VHB Mount (page 4-5)
- Silicone Mount (page 6)
- Screw Mount (page 7)

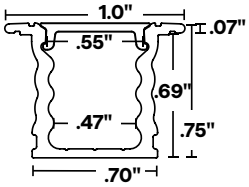
Recessed Mounting Methods

- VHB Mount : Millwork (page 8)
- Silicone Mount : Millwork (page 9)
- Screw Mount : Millwork (page 10)

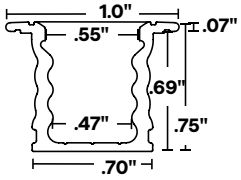
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ESSENTIALS FLUR

Linear Fixture Installation Instructions



FLUR-01

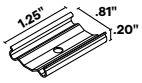


FLUR-03

COMPONENTS & HARDWARE

Alternate screw lengths can be used in installation as long as the screw diameter size is consistent with the included screw diameter size

STAINLESS STEEL CLIP



SST-01

Included	
	Flat Head Screw #4x5/8"

- 2 clips provided for 4' or less; 4 clips provided for greater than 4'

ACCESSORIES SOLD SEPARATELY

HINGE BRACKET; sold individually

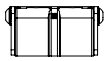
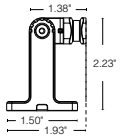


Image shows HMB-M

HMB-M
HMB-L
HMB-XL

Included
• 3/4" long mount screw
• 1/4" #4 clip mount screw

Q-ANGLE; sold in pairs



Q-ANGLE

Included
• 4 SS #6x1.25" Flat head wood screws
• 2 SS 4-40 Flat head clip screws
• 2 SS 6-32 Fillister screws

Q-PIVOT; sold in pairs

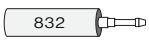


Q-PIVOT

Included
• SS #4-40x3/16 Flat head screws
• 2 #4x3/4 Pan Head screws

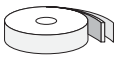
ADHESIVE SOLD SEPARATELY

SILICONE



DOWSIL 832

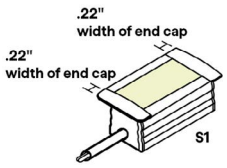
VHB TAPE; sold in 15' increments



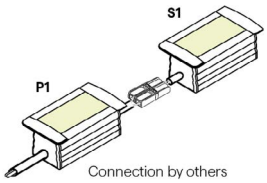
TAPE-VHB-IP20

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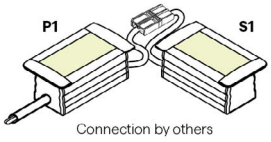
CONFIGURATION OPTIONS



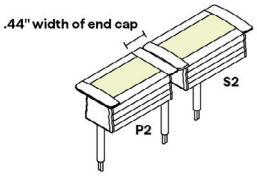
Single End Feed



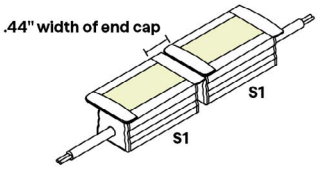
Non-Continuous End Feed



Non-Continuous Corner Feed



Continuous Bottom Feed



Continuous End to End Feed

Review wire method to ensure clean installation prior to mounting finished Fixture.

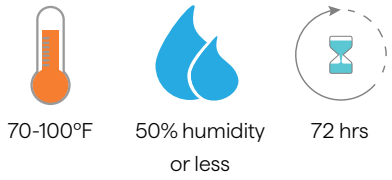
NOTE: Additional wire methods include:
S1 & S2: Connector/Wire Input only
P1 & P2: Connector/Wire Input and Output

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SURFACE MOUNTING METHOD

SURFACE PREPARATION

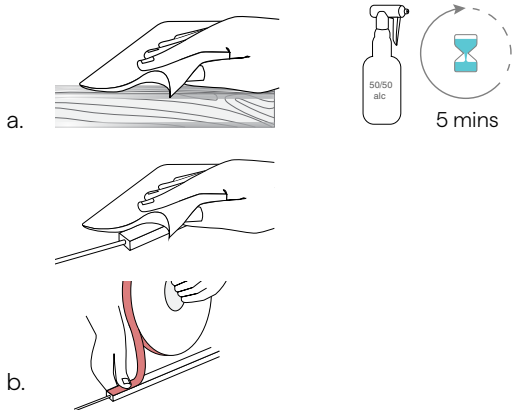
1



Temperature and environmental concerns:

- Ideal application environment is 70-100°F in 50% humidity or less.
- Minimum application temperature: 50°F
- This temperature and humidity should be maintained for 72 hours after application for maximum bond strength.

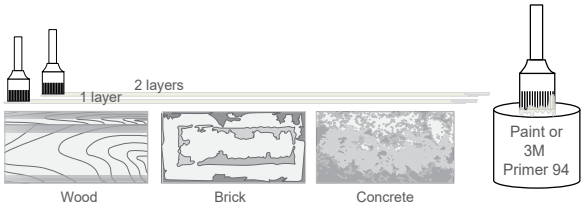
2



a. Using a 50/50 alcohol mix, thoroughly clean the backside of the fixture and the surface area where fixture will be installed. Allow 5 minutes to dry.

b. Peel back 0.5" of the VHB tape's protective film on one end and use firm pressure to adhere it to the desired surface, avoiding air bubbles. Continue peeling the film and adhering the tape in small sections until the entire length is installed.

3



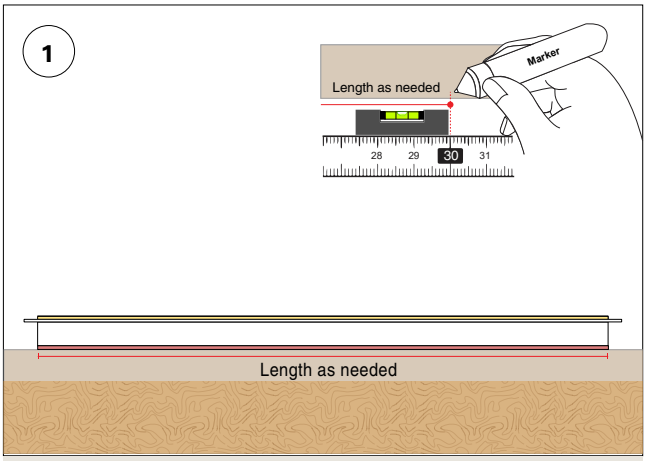
For porous materials (Wood, Brick, Concrete etc.) apply two layers of paint or primer to the surface. This will help create a better bonding surface for these materials. These can be purchased from a local hardware store.

MATERIALS	SUGGESTED EPOXIES
Concrete, Stone, Cinderblock, Metal, and Brick	Loctite Metal and Concrete Two-Part Epoxy
ABS, Fiberglass, Plastic, and PVC	Loctite Plastic Two-Part Epoxy
Tile, Wood, Ceramic, Glass, or Metal	Loctite Clear Two-Part Epoxy
All Purpose	Strong Stik

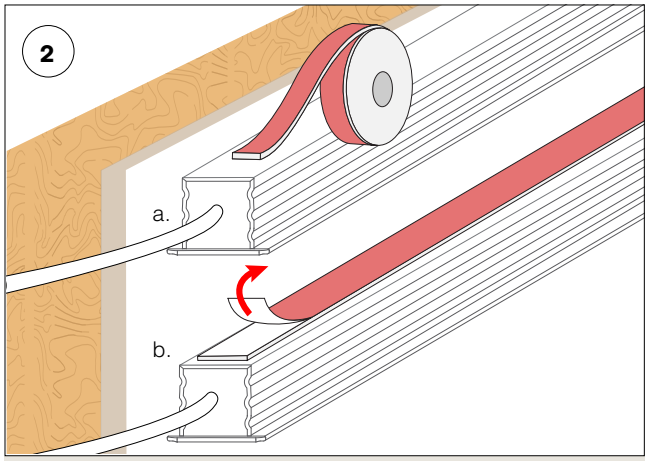
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SURFACE MOUNTING METHOD: **VHB ADHESIVE MOUNT**

BEFORE installation, the surface must be thoroughly cleaned and dried for maximum bond strength.

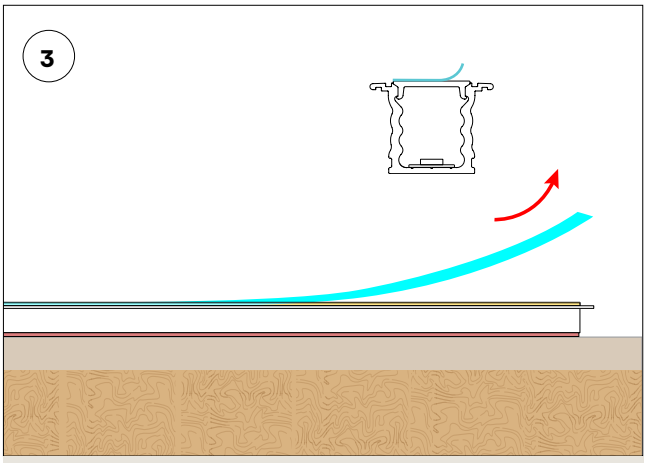


Determine the FLUR fixture(s) location and positioning on desired surface before adhering Fixture to surface. Make any necessary reference markings to indicate fixture placement.



a. To adhere the VHB adhesive, peel the white film back while evenly applying the tape to the mounting side of the fixture. The red side should be visible.

b. Remove the red film and position fixture in place according to your previous reference marking(s).



Remove protective film from the surface of the fixture's lens.

NOTES: *EPOXY ALTERNATIVE: For improved bonding strength, apply a small amount of epoxy at each end. Refer to table on* page 4 *for suggested epoxies. These can be purchased at a local hardware store. Please follow all manufacturer instructions for suggested epoxy.*

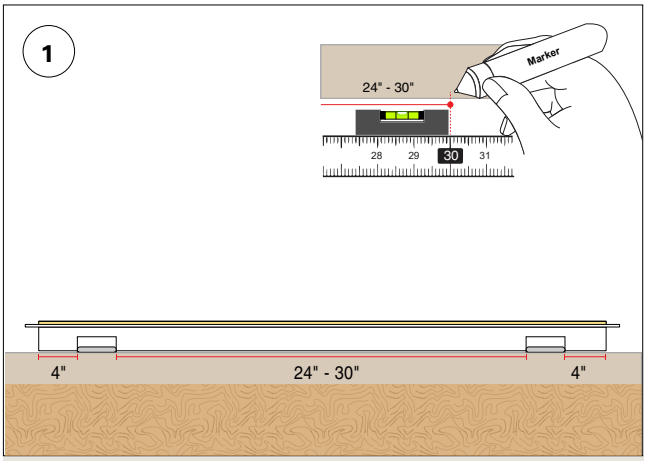
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ESSENTIALS FLUR

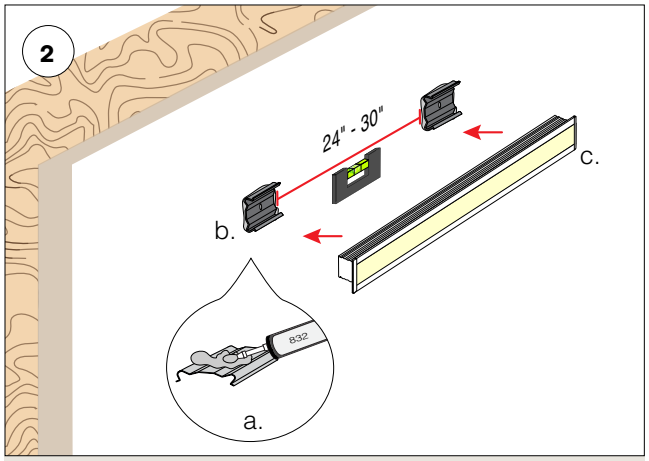
Linear Fixture Installation Instructions

SURFACE MOUNTING METHOD: **SILICONE**

- 2 clips provided for 4' or less; 4 clips provided for greater than 4'



Determine the FLUR fixture(s) location and positioning on desired surface; evenly distribute clips. Make any necessary reference markings to indicate where each clip is to be secured in place. Recommended every 24" - 30".

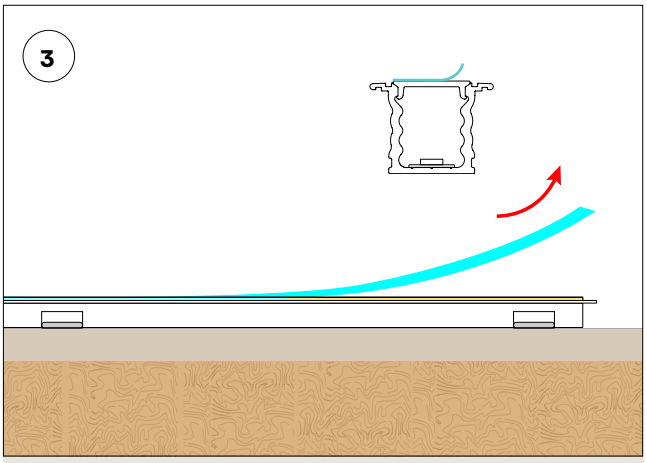


a. Coat the back of the clip with silicone adhesive and firmly press on to the marked reference points.

b. Wait for silicone adhesive to cure completely before snapping fixture into place.

b. Snap fixture onto clips.

NOTE: Cure time is dependent on the type of silicone adhesive used. Refer to silicone product manufacturer for accurate drying time.



Remove protective film from the surface of the fixture's lens.

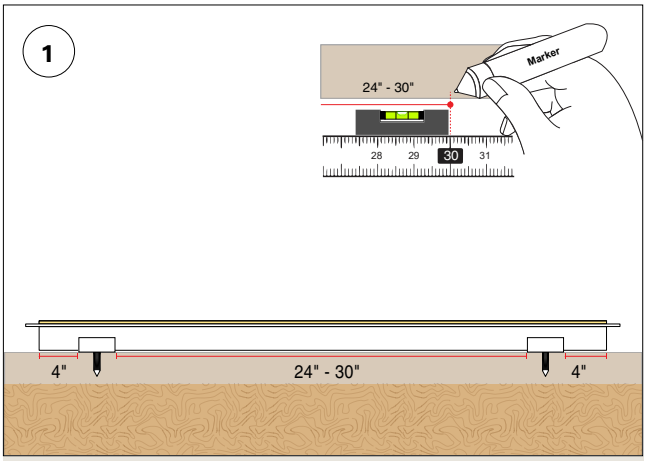
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ESSENTIALS FLUR

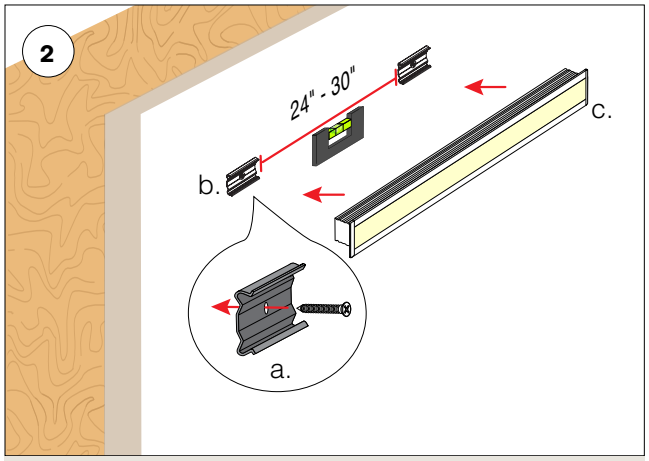
Linear Fixture Installation Instructions

SURFACE MOUNTING METHOD: **SCREW MOUNT**

- 2 clips provided for 4' or less; 4 clips provided for greater than 4'



Determine the FLUR fixture(s) location and positioning on desired surface; evenly distribute clips. Make any necessary reference markings to indicate where each clip is to be secured in place. Recommended every 24" - 30".

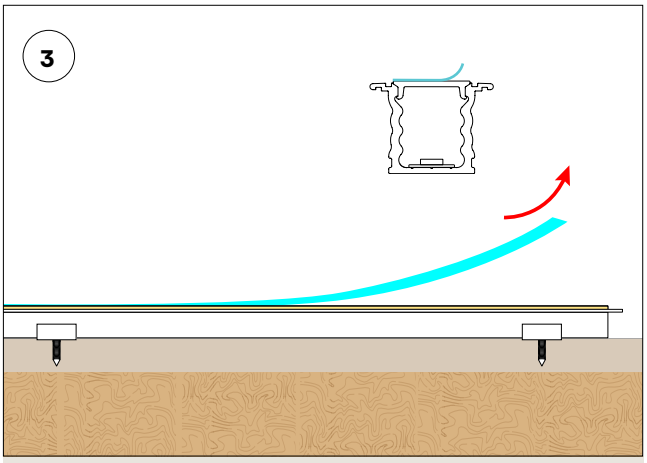


a. Secure clips using the #4 flat head screw provided.

b. Ensure the screw head is flush with the clip's base.

c. Snap fixture onto clips.

NOTE: Flat head screw type is dependent on surface/application material. Alternative flat head screws may be required. Refer to the surface material manufacturer for suggested screw type.

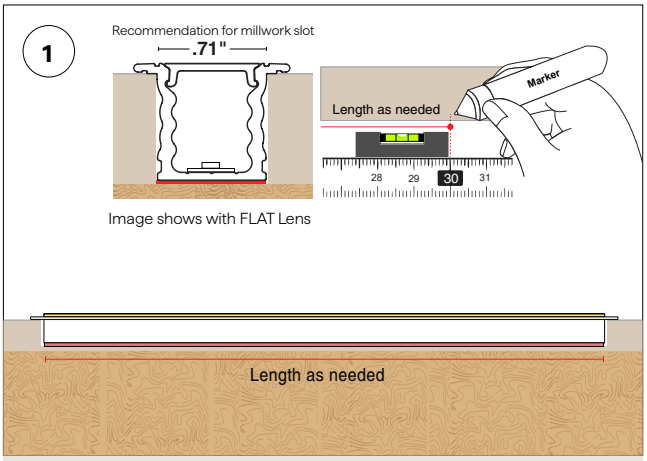


Remove protective film from the surface of the fixture's lens.

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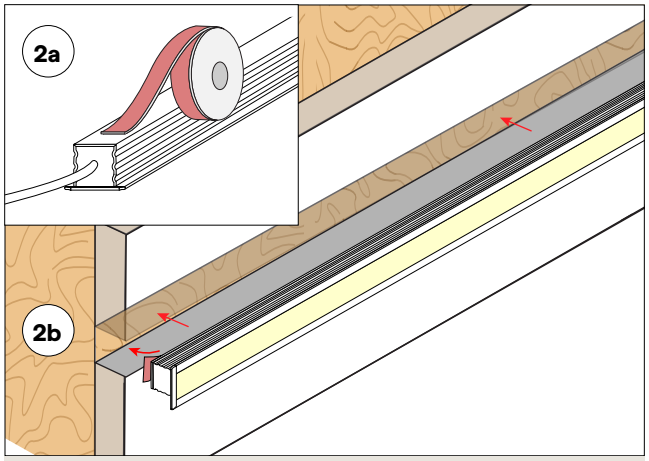
SURFACE MOUNTING METHOD: **MILLWORK VHB ADHESIVE MOUNT**

BEFORE installation, the surface must be thoroughly cleaned and dried for maximum bond strength. **(page 4)**



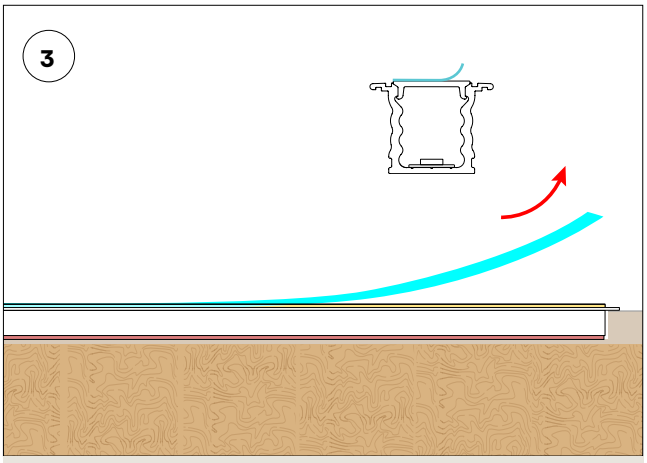
Determine the FLUR fixture(s) location and positioning on desired surface before adhering fixture to surface. Make any necessary reference markings to indicate fixture placement.

NOTE: Depth of the channel in the millwork is dependent on overall height.



a. To adhere the VHB adhesive, peel the white film back while evenly applying the tape to the mounting side of the fixture. The red side should be visible.

b. Remove the red film and position fixture in place according to your previous reference marking(s).



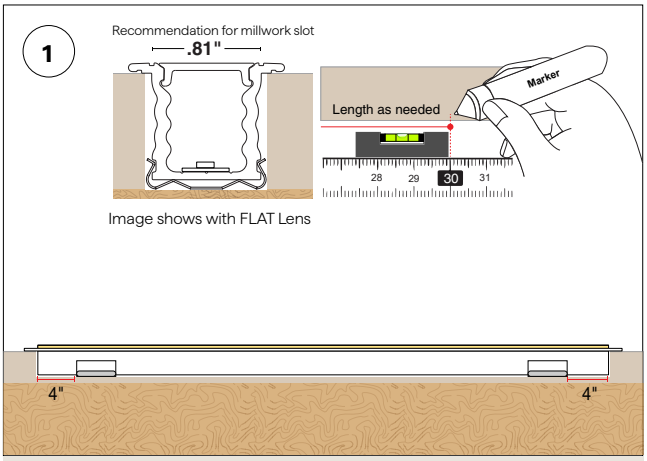
Remove protective film from the surface of the fixture's lens.

NOTES: *EPOXY ALTERNATIVE: For improved bonding strength, apply a small amount of epoxy at each end. Refer to table on* page 4 *for suggested epoxies. These can be purchased at a local hardware store. Please follow all manufacturer instructions for suggested epoxy.*

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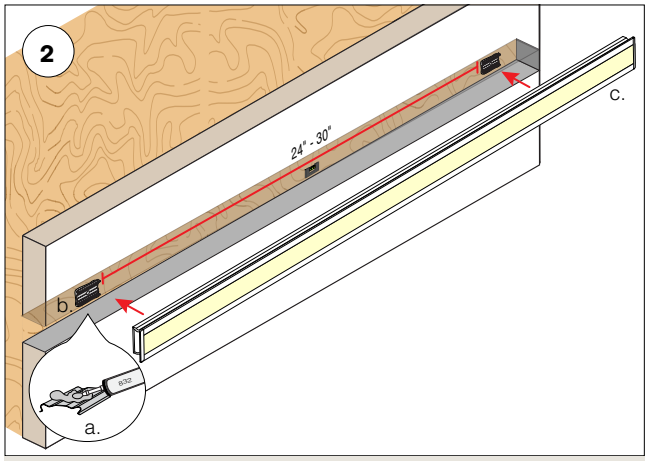
RECESSED MOUNTING METHOD: **MILLWORK SILICONE**

- Apply silicone in well ventilated area



Determine the FLUR fixture(s) location and positioning on desired surface; evenly distribute clips. Make any necessary reference markings to indicate where each clip is to be secured in place. Recommended every 24" - 30".

NOTE: Depth of the channel in the millwork is dependent on overall height.

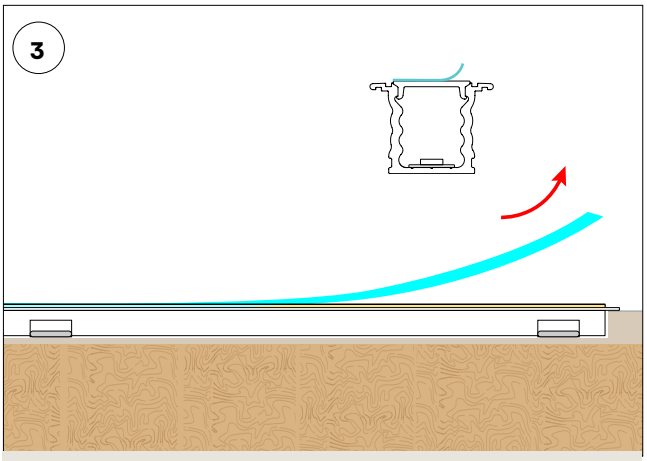


a. Coat the back of the clip with silicone adhesive and firmly press on to the marked reference points.

b. Wait for silicone adhesive to cure completely before snapping fixture into place.

b. Snap fixture onto clips.

NOTE: Cure time is dependent on the type of silicone adhesive used. Refer to silicone product manufacturer for accurate drying time.

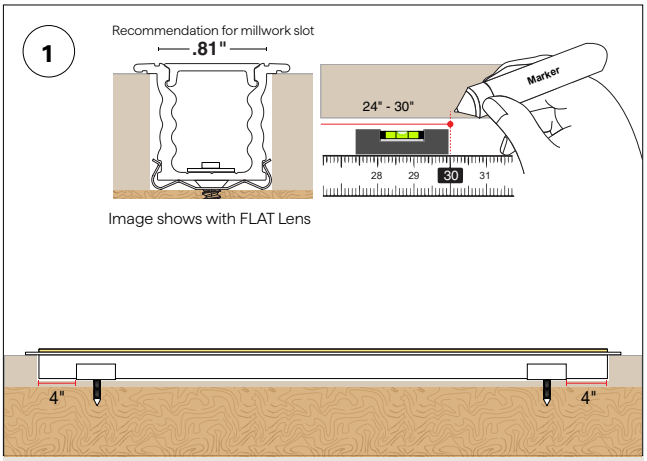


Remove protective film from the surface of the fixture's lens.

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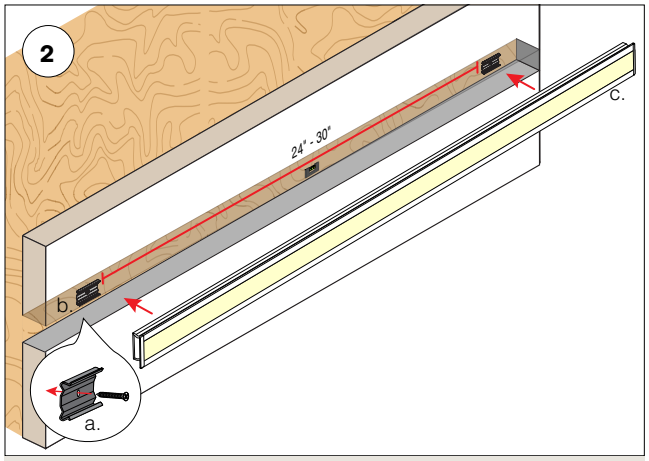
RECESSED MOUNTING METHOD: **MILLWORK SCREW MOUNT**

- 2 clips provided for 4' or less; 4 clips provided for greater than 4'



Determine the FLUR fixture(s) location and positioning on desired surface; evenly distribute clips. Make any necessary reference markings to indicate where each clip is to be secured in place. Recommended every 24" - 30".

NOTE: Depth of the channel in the millwork is dependent on overall height.

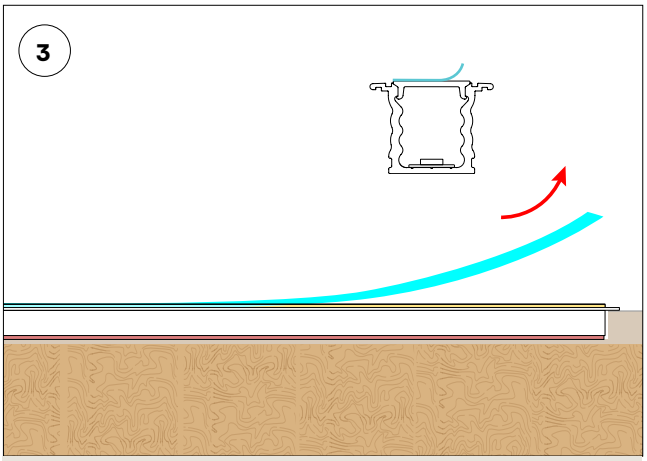


a. Mount the #4 flat head screw into the clip.

b. Ensure the screw head is flush with the clip's base.

c. Snap the fixture onto the clips.

NOTE: If surface application requires a longer screw, the screw size must be a #4 Flat Head. Flat head screw type is dependent on surface/application material. Alternative flat head screws may be required. Refer to the surface material manufacturer for suggested screw type.



Remove protective film from the surface of the fixture's lens.

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ESSENTIALS FLUR-FLAT-WD(1)

Linear Fixtures Color Data

FL1WD-6.0-27-DRY-STD-FR

2811 K

CRI: 96.9

CRI R9: 98.3

TM30 Rf: 92.9

TM30 Rg: 98.4

CQS: 93.4

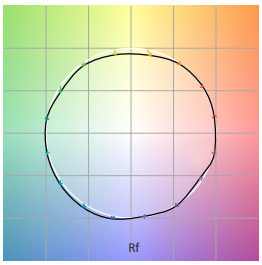
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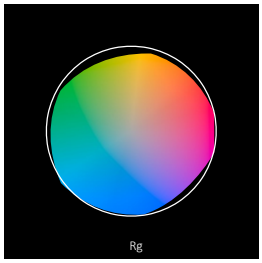
Y: 0.413

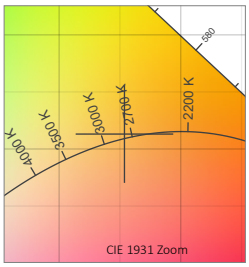
U: 0.257

V: 0.352

Δuv: 0.0015







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.4	98.2	97.4	95.7	96.5	95.9	97.3	97.6	98.3	97.7	93.2	87.5	96.5	97.4	97.8
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
89.8	93.8	97.1	96.7	96.0	94.8	94.8	94.1	91.9	90.4	92.5	93.0	94.4	96.4	93.5
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
95.2	96.3	94.1	89.4	93.0	94.0	88.0	93.6	91.8	91.6	93.3	92.6	93.4	94.0	92.1	92.0

TM30

Hue Bin	R_f	Chroma	Hue
1	95	0%	1%
2	96	1%	-2%
3	94	-1%	-3%
4	89	-6%	-5%
5	93	-6%	0%
6	94	-3%	3%
7	88	-4%	7%
8	94	1%	4%
9	92	2%	5%
10	92	3%	5%
11	93	4%	3%
12	93	3%	-3%
13	93	-1%	-5%
14	94	1%	-4%
15	92	-3%	2%
16	92	1%	-6%

FL1WD-6.0-27-DRY-STD-PR

2793 K

CRI: 96.9

CRI R9: 98.1

TM30 Rf: 92.9

TM30 Rg: 98.4

CQS: 93.4

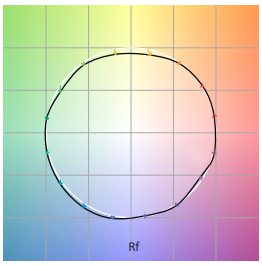
X: 0.455

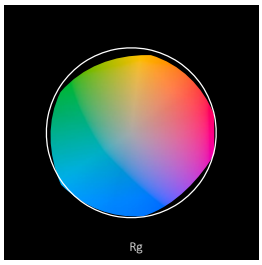
Y: 0.413

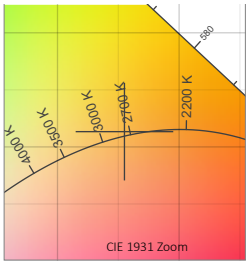
U: 0.258

V: 0.352

Δuv: 0.0015







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.4	98.2	97.3	95.8	96.6	95.9	97.3	97.6	98.1	97.8	93.3	87.5	96.5	97.3	97.9
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
89.8	93.8	96.9	96.6	96.0	94.9	94.8	94.1	91.9	90.4	92.5	92.9	94.3	96.3	93.5
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
95.2	96.3	94.2	89.4	93.1	94.0	88.1	93.6	91.8	91.6	93.2	92.5	93.4	93.9	92.1	91.9

TM30

Hue Bin	R_f	Chroma	Hue
1	95	0%	1%
2	96	1%	-2%
3	94	-1%	-3%
4	89	-6%	-5%
5	93	-6%	0%
6	94	-3%	3%
7	88	-4%	7%
8	94	1%	4%
9	92	1%	5%
10	92	3%	5%
11	93	4%	3%
12	93	3%	-3%
13	93	-1%	-5%
14	94	1%	-4%
15	92	-3%	2%
16	92	1%	-6%

NOTES:
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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Specification subject to change. Rev-02-02-26

ESSENTIALS FLUR-FLAT-WD(1)

Linear Fixtures Color Data

FL1WD-6.0-27-DRY-STD-DF

2788 K

CRI: 96.6

CRI R9: 98.4

TM30 Rf: 92.7

TM30 Rg: 98.3

CQS: 93.2

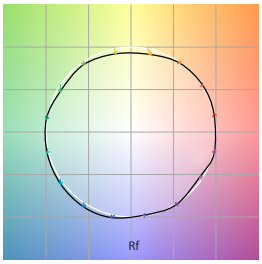
X: 0.455

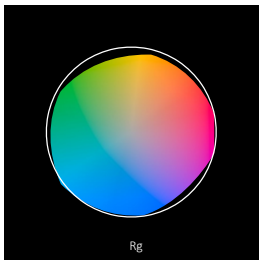
Y: 0.413

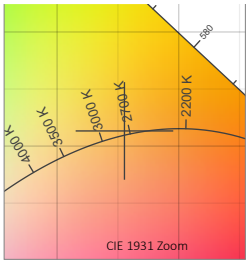
U: 0.258

V: 0.352

Δuv: 0.0014







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.0	98.0	97.4	95.4	96.2	95.5	97.1	97.5	98.4	97.3	92.8	87.4	96.1	97.3	97.6
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
89.5	93.5	97.2	96.8	95.9	94.6	94.5	93.9	91.7	90.3	92.4	92.7	94.1	96.2	93.3
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
95.0	96.0	93.8	89.0	92.8	93.7	87.5	93.4	91.5	91.4	93.2	92.3	93.2	93.9	91.8	92.0

TM30			
Hue Bin	R_f	Chroma	Hue
1	95	0%	1%
2	96	1%	-2%
3	94	-1%	-3%
4	89	-6%	-5%
5	93	-6%	0%
6	94	-3%	3%
7	88	-4%	7%
8	93	1%	4%
9	91	2%	5%
10	91	3%	5%
11	93	4%	3%
12	92	3%	-3%
13	93	-1%	-5%
14	94	1%	-4%
15	92	-3%	2%
16	92	1%	-6%

NOTES:
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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ESSENTIALS FLUR-FLAT-WD(1)

Linear Fixtures Color Data

FL1WD-6.0-30-DRY-STD-FR

3070 K

CRI: 96.7

CRI R9: 97.2

TM30 Rf: 92.1

TM30 Rg: 98.5

CQS: 93.7

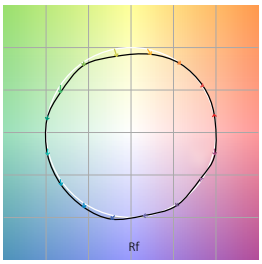
X: 0.435

Y: 0.407

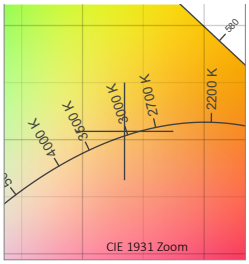
U: 0.248

V: 0.348

Δuv: 0.0016







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.1	98.0	97.6	95.8	96.4	96.2	96.7	96.6	97.2	97.2	94.1	84.3	96.2	97.6	96.7
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
89.3	94.0	96.8	96.1	95.3	94.4	95.4	95.0	92.7	91.4	93.5	93.5	94.7	96.6	93.4
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
94.6	95.7	93.6	89.3	90.4	93.9	86.8	93.2	90.5	89.7	92.3	91.8	93.7	93.6	91.0	91.3

TM30			
Hue Bin	R_f	Chroma	Hue
1	95	0%	2%
2	96	1%	-2%
3	94	-1%	-3%
4	89	-5%	-5%
5	90	-9%	-1%
6	94	-3%	3%
7	87	-5%	7%
8	93	0%	4%
9	90	2%	7%
10	90	3%	6%
11	92	4%	3%
12	92	5%	-3%
13	94	-1%	-5%
14	94	1%	-4%
15	91	-2%	0%
16	91	2%	-6%

FL1WD-6.0-30-DRY-STD-PR

3054 K

CRI: 96.7

CRI R9: 97.3

TM30 Rf: 92.2

TM30 Rg: 98.4

CQS: 93.6

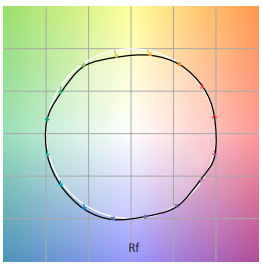
X: 0.436

Y: 0.408

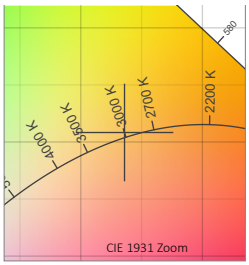
U: 0.248

V: 0.349

Δuv: 0.0018







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.1	98.1	97.5	95.7	96.5	96.3	96.8	96.7	97.3	97.3	93.9	84.8	96.3	97.5	96.8
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
89.5	94.0	96.9	96.4	95.7	94.6	95.1	94.6	92.4	90.8	93.1	93.2	94.4	96.7	93.5
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
94.8	95.7	93.5	89.4	90.6	93.9	87.1	93.3	90.8	90.2	92.1	92.7	93.8	93.7	91.2	91.5

TM30			
Hue Bin	R_f	Chroma	Hue
1	95	0%	2%
2	96	1%	-2%
3	94	-1%	-3%
4	89	-5%	-5%
5	91	-9%	-1%
6	94	-3%	3%
7	87	-5%	7%
8	93	0%	4%
9	91	2%	6%
10	90	3%	5%
11	92	5%	4%
12	93	3%	-2%
13	94	-1%	-5%
14	94	1%	-4%
15	91	-2%	0%
16	92	2%	-6%

NOTES:
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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ESSENTIALS FLUR-FLAT-WD(1)

Linear Fixtures Color Data

FL1WD-6.0-30-DRY-STD-DF

3049 K

CRI: 96.6

CRI R9: 97.3

TM30 Rf: 92.0

TM30 Rg: 98.4

CQS: 93.5

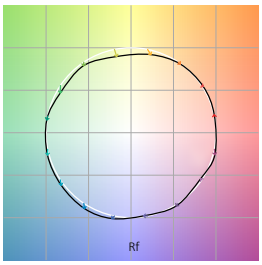
X: 0.436

Y: 0.409

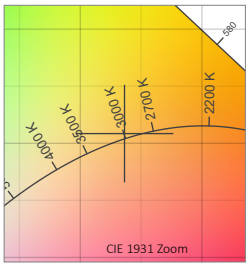
U: 0.248

V: 0.349

Δuv: 0.0018







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.0	98.0	97.3	95.6	96.3	96.2	96.6	96.6	97.3	97.3	93.8	84.3	96.1	97.4	96.7
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
89.1	93.9	96.9	96.2	95.4	94.4	95.1	94.6	92.2	90.7	92.9	93.0	94.3	96.7	93.3
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
94.6	95.6	93.3	89.1	90.3	93.7	86.6	93.1	90.5	89.7	91.8	92.7	93.7	93.7	91.0	91.4

TM30			
Hue Bin	R_f	Chroma	Hue
1	95	0%	2%
2	96	1%	-2%
3	93	-1%	-3%
4	89	-5%	-5%
5	90	-9%	-1%
6	94	-3%	3%
7	87	-5%	7%
8	93	0%	4%
9	90	2%	7%
10	90	3%	6%
11	92	5%	4%
12	93	3%	-2%
13	94	-1%	-5%
14	94	1%	-4%
15	91	-2%	1%
16	91	2%	-6%

NOTES:
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

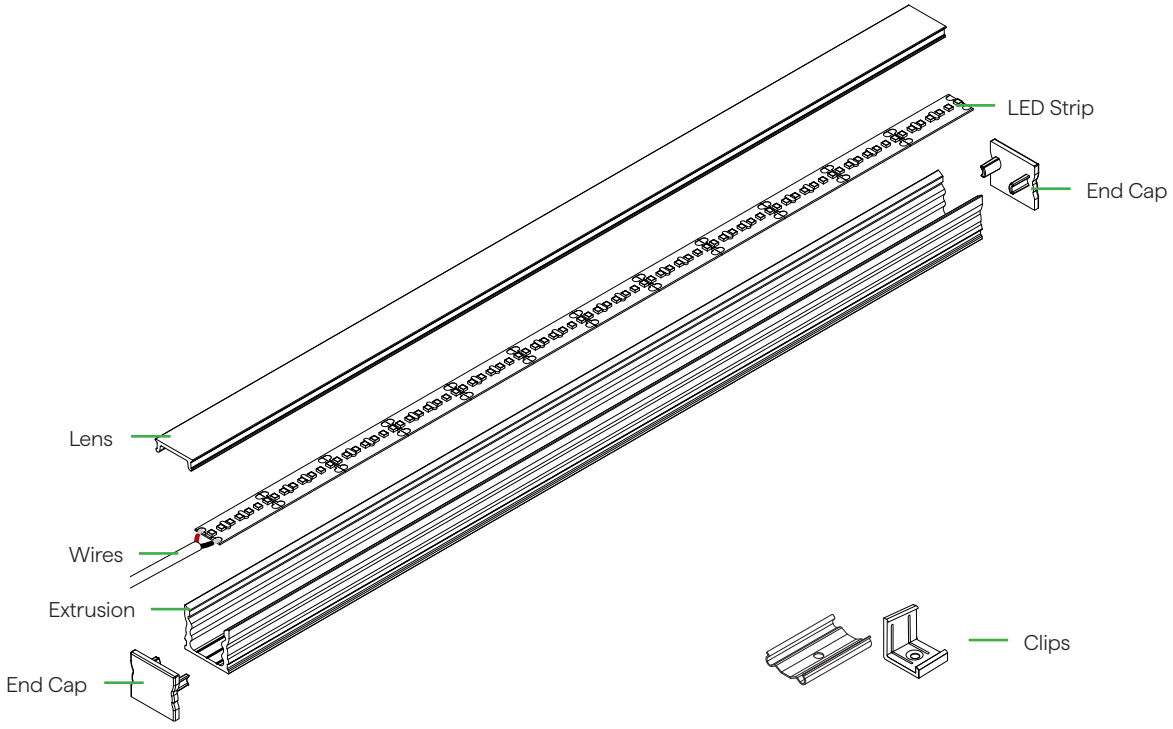
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MATERIAL RECYCLING

LINEAR FIXTURES/EXTRUSIONS

You may be done with your products, but chances are they still have more to give. Follow these instructions to break down and sort recyclable components. Check with local recycling collection to ensure they accept the materials listed below.

Additionally, Q-Tran offers a Takeback Program. Contact factory for information.



7	E	41	40
Lens Plastic End Caps Plastic Clips	LED Strip Wires	Extrusion Metal End Caps	Stainless Steel Clips

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