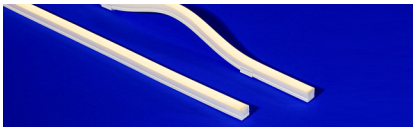
Q-CAP WAVE FOR WARM DIM APPLICATIONS

24VDC Flexible Fixtures





- Flexible encapsulated fixture
- Up/down bend
- 6" bend radius
- Interior and exterior rated (not including FC)
- Four different mounting options
- Available in seamless configuration for a continuous line of light
- Utilize clear endcaps for continuous runs
- 60% smaller than QTL's BOXA fixture
- When using DALI and DMX power supplies, LED wattage must be doubled
- Do not cut Non-Field Cuttable Q-CAP flexible fixtures

ORDERING PROCESS

(A) Specify Non-Field Cuttable Q-CAP

(B) (Optional) Specify field cuttable 4' piece - used to adjust total run length in the field (dry applications only)

A. NON-FIELD CUTTABLE Q-CAP

INFORMATION REQUIRED FOR LIGHTING SCHEDULE

A1 PRODUCT	A2 MOUNTING	A3 RATED	A4 CCT	A5 WATTAGE	A6 LENS
				2.0	

ADDITIONAL INFORMATION REQUIRED TO ORDER

A7 WIRE INPUT/ OUTPUT	A8 CONNECTOR/ WIRE IN	A9 CONNECTOR/ WIRE OUT	A10 END CAPS	A11 LENGTH (IN)	A12 EXACT/ OPTIMAL

Sample Part Number: **WAVE-DW-WSC-DRY-24/30-2.0-ENC/TL-P1-BW-BW-N/A-48"-E**

A1 PRODUCT

WAVE-DW
WAVE-DW-USA

Select USA option for BA, BAA and BABA projects.

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 last page for compatible power supplies.

A2 MOUNTING

PPS-2	PVC Clip
PPS-96	PVC Channel
PPS-LP-2	PVC Low Profile Clip
PPS-LP-96	PVC Low Profile Channel
WSC	White Snug Clip
BN-UD-SST-16'	16' BENDIT Up/Down Stainless Steel Channel
BN-UD-SST-32'	32' BENDIT Up/Down Stainless Steel Channel
BN-UD-WH-16'	16' BENDIT Up/Down White Stainless Channel
BN-UD-WH-32'	32' BENDIT Up/Down White Stainless Channel

White snug clip only for indirect cove use, not intended for hanging fixtures upside down.

PPS mounting clip recommended for seamless applications

A3 RATED

DRY	IP20
WET	IP67

A4 CCT

22/30	2200K/3000K
22/35	2200K/3500K
24/30	2400K/3000K
24/40	2400K/4000K
27/40	2700K/4000K

A5 WATTAGE

2.0	2.0W-SO

SO: Standard Output

A6 LENS

ENC/CL	Encapsulated in Clear
ENC/TL	Encapsulated in Translucent

For representation of LED visibility, see Diode Visibility section on following pages

A7 WIRE INPUT/OUTPUT

SINGLE (Input only)

S1	End Feed
S5	Seamless Feed

PASS THROUGH (Input/Output)

P1	End Feed
P5	Seamless Feed

A8 CONNECTOR/WIRE IN

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

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

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

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

A9 CONNECTOR/WIRE OUT

N/A	Closed End (No feed)

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

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

A10 END CAPS

Single

CL	Clear
WH	White

Pass Through

N/A	Not Applicable

A11 LENGTH (IN)

Minimum length is 12", maximum length is 191" not including end caps. Contact us for lengths under 12".
Available in 2" increments.

A12 EXACT/OPTIMAL

O	Optimal Illumination
E	Exact Specified Length

Exact fixtures are the exact length specified +0 -1/8". Optimal fixtures' length is rounded down with illumination end to end. See Exact/Optimal Fixture Length charts.

5 year warranty | Up/Down Bend | Data subject to change, all data has +/- 5% tolerance | Only FC fixtures are Field-Cuttable per installation instructions | Field Cuttable is not returnable or refundable after it has been cut

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Q-CAP WAVE FOR WARM DIM APPLICATIONS

24VDC Flexible Fixtures

B. FIELD CUTTABLE Q-CAP

INFORMATION REQUIRED FOR LIGHTING SCHEDULE

B1	B2	B3	B4	B5	B6
PRODUCT	MOUNTING	RATED	CCT	WATTAGE	LENS
		DRY		2.0	

ADDITIONAL INFORMATION REQUIRED TO ORDER

B7	B8	B9	B10	B11	B12
WIRE INPUT/ OUTPUT	CONNECTOR/ WIRE IN	CONNECTOR/ WIRE OUT	END CAPS	LENGTH (IN)	EXACT/ OPTIMAL
		N/A	CL	48”	N/A

Sample Part Number: **WAVE-FC-DW-WSC-DRY-24/30-2.0-ENC/TL-S1-BW-N/A-CL-48"-N/A**

B1 PRODUCT

WAVE-FC-DW
WAVE-FC-DW-USA

Select USA option for BA, BAA and BABA projects.

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 last page for compatible power supplies.

B2 MOUNTING

PPS-2	PVC Clip
PPS-96	PVC Channel
PPS-LP-2	PVC Low Profile Clip
PPS-LP-96	PVC Low Profile Channel
WSC	White Snug Clip
BN-UD-SST-16’	16’ BENDIT Up/Down Stainless Steel Channel
BN-UD-SST-32’	32’ BENDIT Up/Down Stainless Steel Channel
BN-UD-WH-16’	16’ BENDIT Up/Down White Stainless Channel
BN-UD-WH-32’	32’ BENDIT Up/Down White Stainless Channel

White snug clip only for indirect cove use, not intended for hanging fixtures upside down.

PPS mounting clip recommended for seamless applications

B3 RATED

DRY	IP20

B4 CCT

22/30	2200K/3000K
22/35	2200K/3500K
24/30	2400K/3000K
24/40	2400K/4000K
27/40	2700K/4000K

B5 WATTAGE

2.0	2.0W-SO

SO: Standard Output

B6 LENS

ENC/CL	Encapsulated in Clear
ENC/TL	Encapsulated in Translucent

For representation of LED visibility, see Diode Visibility section on following pages

B7 WIRE INPUT/OUTPUT

SINGLE (Input only)	
S1	End Feed
S5	Seamless Feed

B8 CONNECTOR/WIRE IN

BW	Bare Wire (Standard 24”)
CON6	Connector 6”
CON24	Connector 24”

BW: Standard length is 24”, Max length is 120”. Request custom length by writing in part number next to BW (example: BW48)

B9 CONNECTOR/WIRE OUT

N/A	Closed End (No feed)

B10 END CAPS

CL	Clear

Due to cutting, white endcaps are not available.

Single

B11 LENGTH (IN)

48”	Nominal

Starting Run length is 48.475” for S1 & S5
Each cut point subtracts from the Starting Run Length
2.0 has a 2” cut point
S1 can be cut down to as little as 2.475”
S5 can be cut down to as little as 6.475”

B12 EXACT/OPTIMAL

N/A

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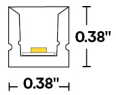
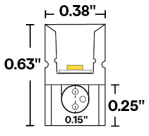
24VDC Flexible Fixtures

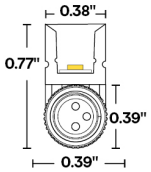
1 PRODUCT - DIMENSIONS



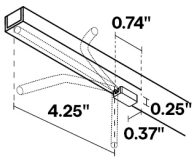
Profile
(Standard)



Profile
(Seamless bare wire)



Profile
(Seamless CON6-24)

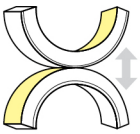


Seamless Omnidirectional
wireways (S5, P5)

Shown with bare wire
connectors vary

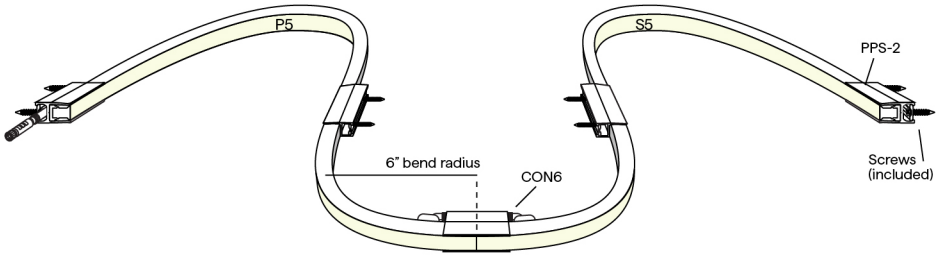
BEND RADIUS

Up/Down Bend



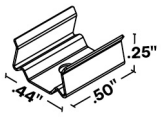
6" bending radius

FLEXIBILITY



2 MOUNTING

WSC

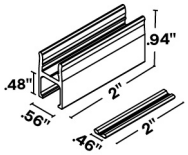


White Snug Clip
Indirect uplight

To order separately use WSC-02

Each clip comes with a #4x5/8" flat screw

PPS-2

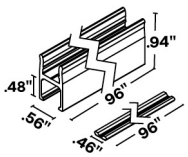


PVC Mounting Clip

To order separately use MICRO5-PPS-2

PPS kit quantity: **(2 kits per ft) + 1.**
For example: 1 ft = (2 × 1) + 1 = 3 PPS kits provided.

PPS-96



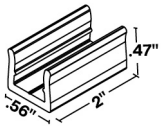
96" straight linear run

To order separately use MICRO5-PPS-96

PPS kit quantity: **(2 kits per ft) + 1.**
For example: 1 ft = (2 × 1) + 1 = 3 PPS kits provided.

Each clip comes with a #6" flat screw

PPS-LP-2

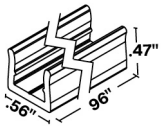


Low profile PVC
Mounting Clip

To order separately use MICRO5-PPS-LP-2

PPS kit quantity: **(2 kits per ft) + 1.**
For example: 1 ft = (2 × 1) + 1 = 3 PPS kits provided.

PPS-LP-96



Low profile PVC channel
96" straight linear run

To order separately use MICRO5-PPS-LP-96

PPS kit quantity: **(2 kits per ft) + 1.**
For example: 1 ft = (2 × 1) + 1 = 3 PPS kits provided.

Each clip comes with a #6" flat screw

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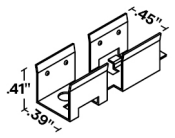
Q-CAP WAVE FOR WARM DIM APPLICATIONS

24VDC Flexible Fixtures

MOUNTING CONTINUED

BN-UD



BENDIT Channel
Vertical Stainless Steel
Flexible Channel

Continuous mounting solution for flexible fixtures, 16' or 32' field cuttable lengths

To order separately use either MICRO5-BN-UD-SST-16', MICRO5-BN-UD-SST-32', MICRO5-BN-UD-WH-16', or MICRO5-BN-UD-WH-32'

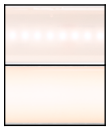
64 #4-40 1/2" screws provided per 16'

4 / 5 DELIVERED LUMENS

[Calculated L70 = 40000 hrs]
Tested with WAVE-DW-WSC-DRY

CCT	2.0W/FT Total Load				Circuit Wattage
	ENC/CL		ENC/TL		
	LM	CRI	LM	CRI	
2200K	**	**	**	**	**
2400K	145	93	142	93	1.90
2700K	157	93	139	96	1.90
3000K	150	95	143	96	1.90
3500K	**	**	**	**	**
4000K	167	98	155	97	1.90

6 DIODE VISIBILITY



ENC/CL - Clear encapsulation

ENC/TL - Translucent encapsulation

TEMPERATURE RATINGS

	DW 2.0 W/FT		DW 4.0 W/FT	
	QTL power supply other than DALI, DMX		DALI, DMX, or non-QTL power supply	
	Min	Max	Min	Max
Ambient Operating Temp - Surface	-4°F	135°F	-4°F	110°F
Storage Temp	-4°F	140°F	-4°F	140°F
Install Temp	50°F	100°F	50°F	100°F

BUG RATING

WATTAGE	B	U	G
2.0 (ALL CCTs)	B0	U1	G0

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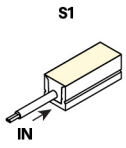
Q-CAP WAVE FOR WARM DIM APPLICATIONS

24VDC Flexible Fixtures

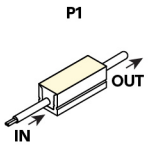
7 WIRE INPUT/OUTPUT

SINGLE (Input only)



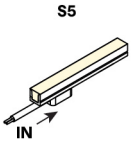
End Feed

PASS THROUGH (Input/Output) - Only applicable for Non-Field Cuttable Q-CAP



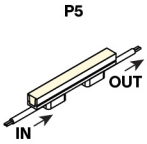
End Feed

SEAMLESS SINGLE (Input only)



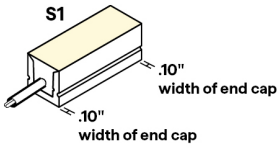
Seamless Feed

SEAMLESS PASS THROUGH (Input/Output) - Only applicable for Non-Field Cuttable Q-CAP

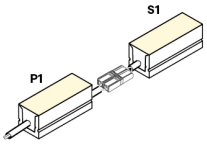


Seamless Feed

CONFIGURATION OPTIONS

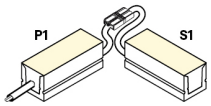


Single End Feed



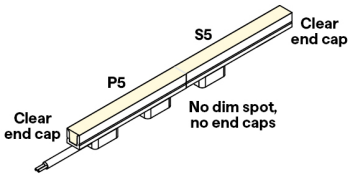
Connection by others

Non-Continuous End Feed

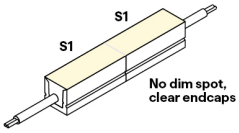


Connection by others

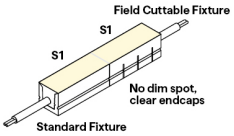
Non-Continuous Corner Feed



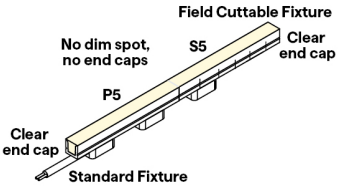
Seamless Bottom Feed



Continuous End to End Feed

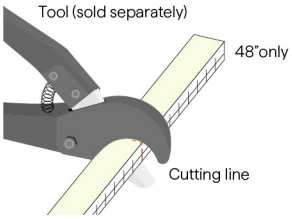


Field Cuttable - Continuous End to End Feed



Field Cuttable - Seamless Bottom Feed

FIELD CUTTABLE MARKING



Field cuttable fixtures are sold in 4' increments and go at the end of a run, allowing for easy field adjustment



Note: Only FC fixtures are field cuttable — Do not attempt to cut non FC fixtures.
Cut only on the marked cut lines. Only cut from non-feed end. Do not attempt to cut while power is on.

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Q-CAP WAVE FOR WARM DIM APPLICATIONS

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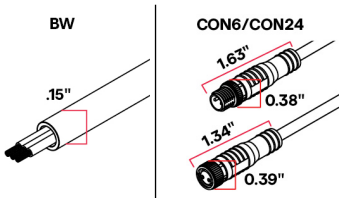
8/9 CONNECTOR/WIRE – IN/OUT

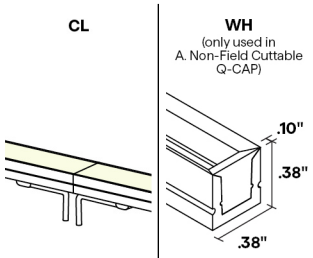
Connector/Wire In or Out not needed to specify product. Typical selection is S1 for Wire Input/Output, BW for Connector/Wire In, N/A for Connector/Wire Out, and WH for End Caps



Bare Wire 24"
22 AWG

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

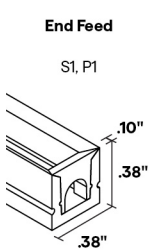
10 END CAPS (NO FEED)



Clear endcaps
.0" added at end
.00" dim spot

White endcaps
.0" added at end
.10" dim spot

END CAPS (WITH FEED)



White endcaps
.0" added at end
.225" dim spot

11 LENGTH - WIRING DETAIL

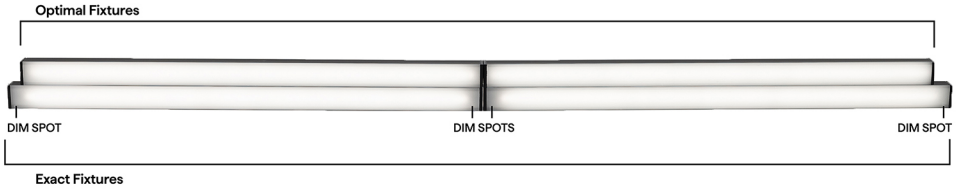
Available in 2" increments 12"-191"



12 EXACT/OPTIMAL FIXTURE LENGTH

E/O Length Calculator → E/O Explained →

Exact fixtures are the exact length specified +0 -1/8". 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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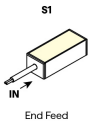
Specification subject to change. Rev-11-24-26

Q-CAP WAVE FOR WARM DIM APPLICATIONS

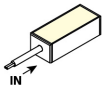
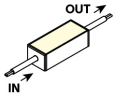
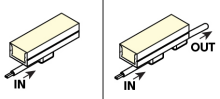
24VDC Flexible Fixtures

DW ENC 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 	P1 	S5 & P5 
12"	10.63"	11.00"	10.25"
13"	12.63"	13.00"	12.25"
14"	12.63"	13.00"	12.25"
15"	14.63"	15.00"	14.25"
16"	14.63"	15.00"	14.25"
17"	16.63"	17.00"	16.25"
18"	16.63"	17.00"	16.25"
19"	18.63"	19.00"	18.25"
20"	18.63"	19.00"	18.25"
21"	20.63"	21.00"	20.25"
22"	20.63"	21.00"	20.25"
23"	22.63"	23.00"	22.25"
24"	22.63"	23.00"	22.25"
36"	34.63"	35.00"	34.25"
48"	46.63"	47.00"	46.25"
60"	58.63"	59.00"	58.25"
72"	70.63"	71.00"	70.25"
84"	82.63"	83.00"	82.25"
96"	94.63"	95.00"	94.25"

COMPATIBLE POWER SUPPLIES

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

DIM TO LEVEL	INDOOR	OUTDOOR
	MICRO 5-DW Warm Dim Applications	MICRO 5-DW Warm Dim Applications
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-DMX QZ-DW	Q-SET-QZ-DW QOM-eLED+DALI-DT6 QOM-eLED+DALI-DT6-PS QOM-eLED+DALI-DT8 QOM-eLED+DALI-DT8-PS QOM-eLED+WD QZ-DMX QZ-DW
1%	QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QZ-DALI-DT8
10%	Non-Dim Power Supply with WD App Dongle	

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Q-CAP WAVE FOR WARM DIM APPLICATIONS

24VDC Flexible Fixtures

DIMMING PROTOCOL	INDOOR	OUTDOOR
	MICRO 5-DW Warm Dim Applications	**MICRO 5-DW Warm Dim Applications**
Phase	QZ-DW	Q-SET-QZ-DW QZ-DW
0-10V	QT-CAB-eLED+WD QT-CAB-eLED+WD-AWN QTM-eLED+WD QTM-eLED+WD-AWN QZ-DW	Q-SET-QZ-DW QOM-eLED+WD QZ-DW
Lutron Athena	QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+WD-AWN QTM-eLED+DALI-DT8-AWN QTM-eLED+WD-AWN	
DMX LED wattage must be doubled for DW-HE products	QZ-DMX	QZ-DMX
DALI-2: DT6 LED wattage must be doubled for DW-HE products except for AWN	QT-CAB-eLED+DALI-DT6 QTM-eLED+DALI-DT6	QOM-eLED+DALI-DT6
DALI-2: DT8 LED wattage must be doubled for DW-HE products 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	Q-SET+QZ-DALI-DT8 QOM-eLED+DALI-DT8 QZ-DALI-DT8
SCENE App Dimmed	Non-Dim Power Supply with WD App Dongle	

COMPATIBLE MOUNTING ACCESSORIES

QUOVA-MICRO



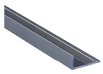
QUOVA Knife Edge

NJ-MICRO



J Mounting Bracket

BL-MICRO



Backwards L Mounting Bracket

NL-MICRO



L Mounting Bracket

SD-L-MICRO



L Mounting Bracket

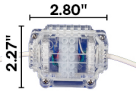
iQ-QCAP-UNV-CUTTER



QTL recommended FC Cutter

COMPATIBLE WIRING ACCESSORIES

Q-mini-J5



UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)

COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE



Wi-Fi or Bluetooth Connectivity

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Specification subject to change. Rev-11-24-26

Q-CAP WAVE FOR WARM DIM APPLICATIONS

24VDC Flexible Fixtures

COMPATIBLE APPS

NFC APP

Read and write DMX addresses and adjust voltage

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Q-CAP WAVE

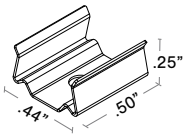
Flexible Fixtures

Mounting

WSC-02:

WHITE SNUG CLIP

- For indoor/outdoor use
- Surface mounting
- Stainless steel/corrosion resistant
- Discrete mounting
- White glossy finish

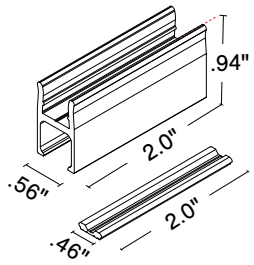


MOUNTING HARDWARE
- #4 flat screw (one provided for each clip)
- 832 Silicone (sold separately)

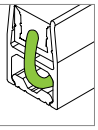
MICRO5-PPS-2:

PVC MOUNT CLIP

- For indoor/outdoor use
- Surface mounting
- For joining seamless fixtures
- Wire way feature
- Off white finish
- Can be mounted with or without PPS-BRACKET (**COVE FRIENDLY**)



Built in wireway:
The PPS-BRACKET allows you to create a wire way under the PPS channel without any screws interfering

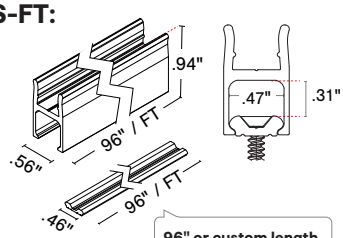


MOUNTING HARDWARE
- #6 flat head screw (1 screw for every 16")
- 832 Silicone (sold separately)

MICRO5-PPS-96 & MICRO5-PPS-FT:

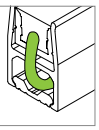
PVC MOUNT CHANNEL

- 96" (**PPS-96**) or custom length (**PPS-FT**)
- For indoor/outdoor use
- Surface mounting
- Field modifications made easy
- Wire way feature
- Off white finish
- Can be mounted with or without PPS-BRACKET (**COVE FRIENDLY**)



96" or custom length

Built in wireway:
The PPS-BRACKET allows you to create a wire way under the PPS channel without any screws interfering

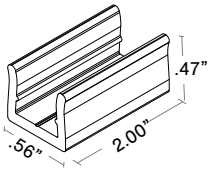


MOUNTING HARDWARE
#6 flat head screw (1 screw for every 16")
- 832 Silicone (sold separately)

MICRO5-PPS-LP-2:

PVC LOW PROFILE MOUNT CLIP

- For indoor/outdoor use
- Surface mounting
- Low profile mounting
- For joining seamless fixtures
- No wire way
- Off white finish

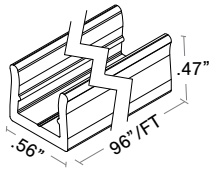


MOUNTING HARDWARE
- #6 Flat head screw (1 screw for every 16")
- 832 Silicone (sold separately)

MICRO5-PPS-LP-96 & MICRO5-PPS-LP-FT:

PVC LOW PROFILE MOUNT CHANNEL

- 96" (**PPS-LP-96**) or custom length (**PPS-LP-FT**)
- For indoor/outdoor use
- Surface mounting
- Low profile mounting
- No wire way
- Off white finish



96" or custom length

MOUNTING HARDWARE
- #6 Flat head screw (1 screw for every 16")
- 832 Silicone (sold separately)

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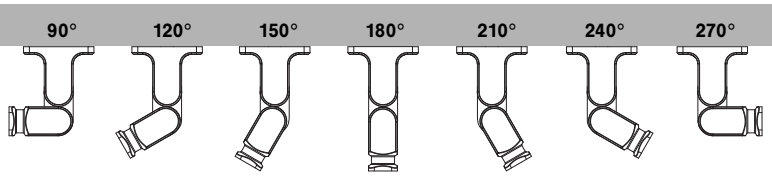
Q-CAP WAVE

Flexible Fixtures

Mounting Accessories

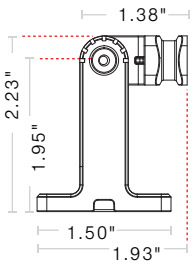


Q-ANGLE

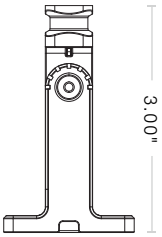
(Full ordering guide and installation available for this product in the accessories section of website)

- Offset lighting to illuminate signs, artwork, etc.
- For indoor/outdoor use
- Wall, ceiling, or floor mounted
- Anodized aluminum/corrosion resistant
- Free moving rotating head which can be locked into specific angles
- Preset dial notches for easy adjustments from 90° to 270°

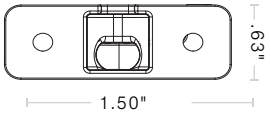
90° BACK VIEW



180° BACK VIEW

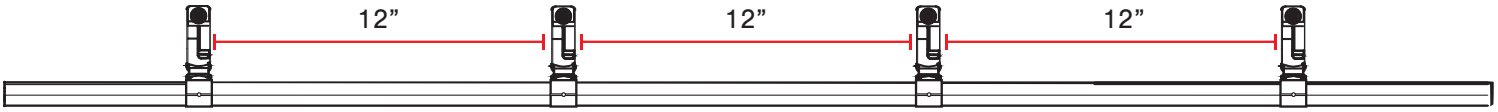


BASE; BOTTOM VIEW



MOUNTING HARDWARE

- Mounting Clip
- 6-32 Fillister head screw
- 4-40 Flat head screw
- Drywall anchor (not provided)
- #6- 1¼ " wood screw



Q-ANGLE MUST BE MOUNTED EVERY 12"

SEE Q-ANGLE INSTALL FOR MORE INFORMATION

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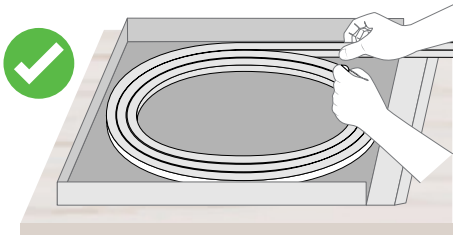
WAVE

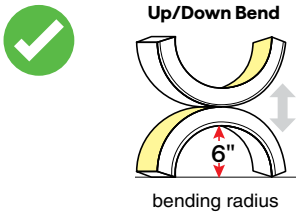
Q-CAP HANDLING INSTRUCTIONS

WARNING: FRAGILE

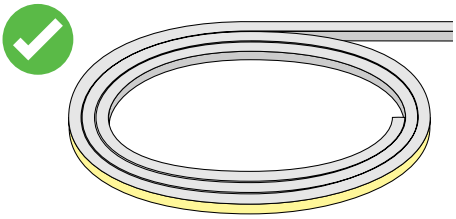
Flexible fixtures contain sensitive electronics, requiring careful handling and installation to preserve their warranty. When unpacking flexible fixtures, handle them gently and test all fixtures upon receiving.



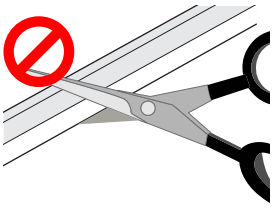
Keep the fixtures flat and supported when removing them from the box. Unroll them carefully on a flat surface and do not bend them against the intended bend direction.



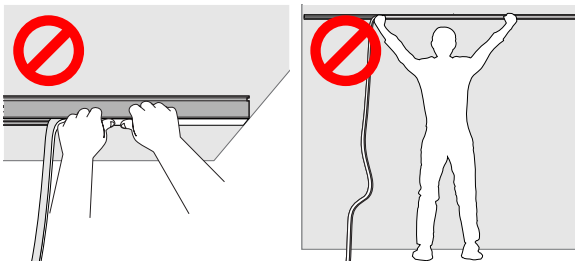
This WAVE fixture can only be bent up and down. Do not bend the fixture more than a 6" radius.



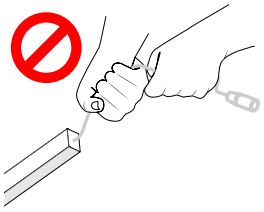
Powering the fixtures prior to installing will warm them up and make them more flexible, preventing damage.



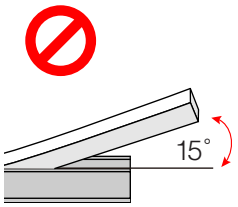
Only FC fixtures are field cuttable. Do not attempt to cut non-FC fixtures. Field modifications void warranty.



Do not let any portion of the fixture hang in any direction during installation. Use two people to install to ensure the fixture does not hang.



Do not grab or pull by the wire feeds.



Do not bend the fixture more than 15 degrees when installing into mounting brackets or channels.

MISHANDLING OF FIXTURES DURING INSTALLATION VOIDS WARRANTY

TEMPERATURE RATINGS

Static White	1.0 W/FT		2.0 W/FT		4.0 W/FT	
	Min	Max	Min	Max	Min	Max
Ambient Operating Temp - Surface	-4°F	135°F	-4°F	130°F	-4°F	105°F
Storage Temp	-4°F	140°F	-4°F	140°F	-4°F	140°F
Installation Temp	50°F	100°F	50°F	100°F	50°F	100°F

Tunable & Warm Dim	DW 2.0 W/FT	
	Min	Max
Ambient Operating Temp - Surface	-4°F	135°F
Storage Temp	-4°F	140°F
Installation Temp	50°F	100°F

RGB	4.0 W/FT	
	Min	Max
Ambient Operating Temp - Surface	-4°F	110°F
Storage Temp	-4°F	140°F
Installation Temp	50°F	100°F

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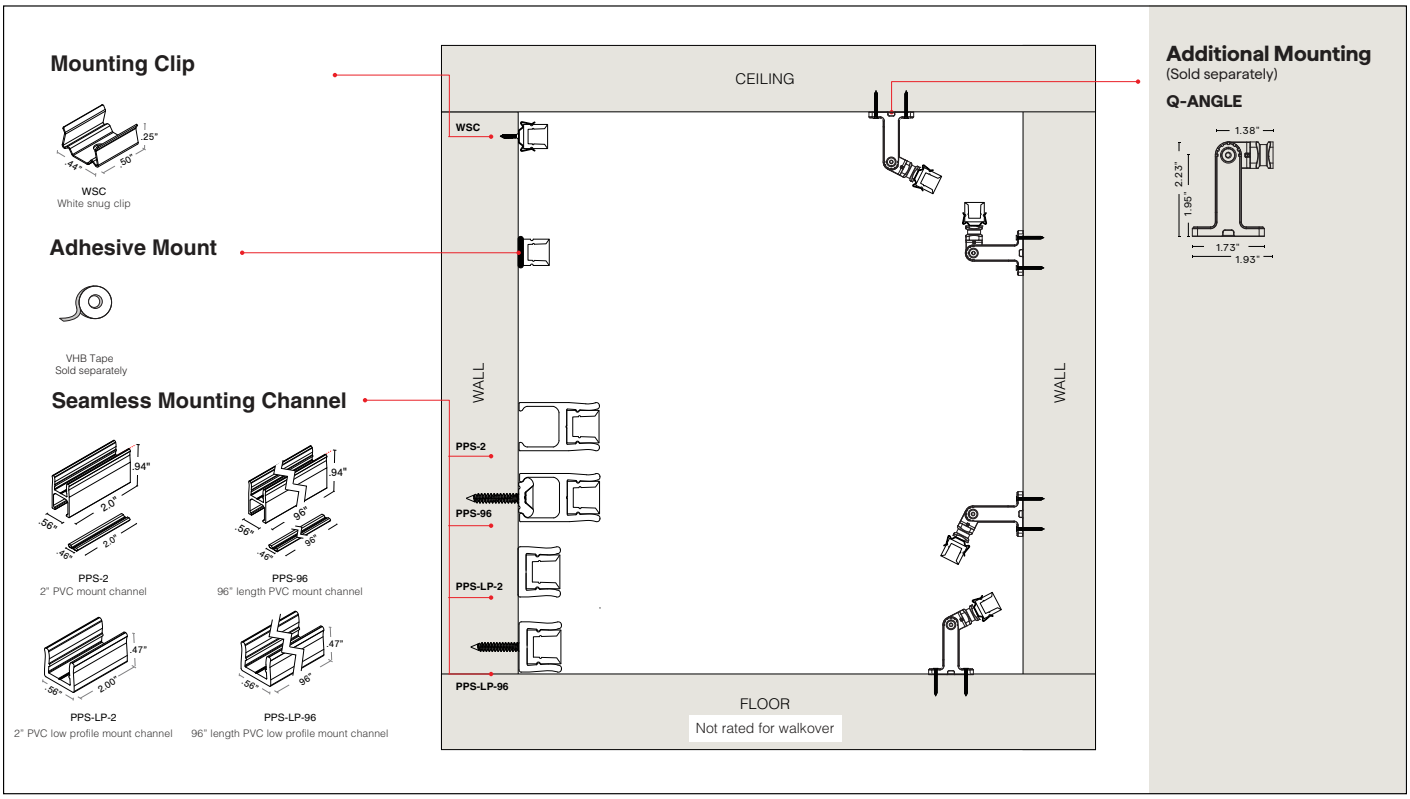
Q-CAP WAVE

Q-CAP Flexible Fixtures 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
- Not rated for walkover
- Input Voltage: 24VDC
- Diagrams for representation only and not to scale.

METHODS OF INSTALLATION



Mounting Method

- VHB (page 6-7)
- WSC (page 8)
- BN-UD (page 9)
- PPS-2 (page 10)
- PPS-LP-2 (page 11)
- PPS-96 (page 12)
- PPS-LP-96 (page 13)

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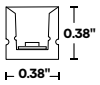
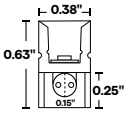
Q-CAP WAVE

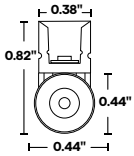
Q-CAP Flexible Fixtures Installation Instructions



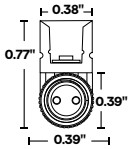
WAVE Profile



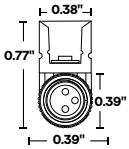
WAVE Profile
(Seamless BW)



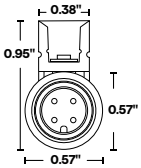
WAVE Profile
(Seamless BRL)



WAVE Profile
(Seamless CON24 SW)



WAVE Profile
(Seamless CON24 DW)



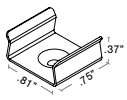
WAVE Profile
(Seamless CON24 RGB)

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

MOUNTING CLIP

WSC



White snug clip

Included

- #6 Flat Screw (one provided for each clip)

- White snug clip included with side graze channel
- 2 white snug clips provided per first 12", 1 for each additional 12".Other mounting styles incur additional charge, see price guide for details

ADHESIVE SOLD SEPARATELY

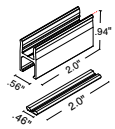
VHB TAPE



TAPE-VHB-IP20

SEAMLESS MOUNTING CLIP & SEAMLESS MOUNTING CHANNEL

PPS-2



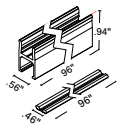
PVC mounting clip

Included

- #8 flat head screw (one provided for each clip)
- Built in wireway

- Join two fixtures together
- PPS kit quantity: **(2 kits per ft) + 1**. For example: 1 ft = (2 × 1) + 1 = 3 PPS kits provided.

PPS-96



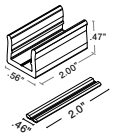
PVC channel

Included

- #8 flat head screw (1 screw for every 16")
- Built in wireway

- Support the fixtures
- PPS kit quantity: **(2 kits per ft) + 1**. For example: 1 ft = (2 × 1) + 1 = 3 PPS kits provided.

PPS-LP-2



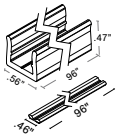
Low profile
PVC mounting clip

Included

- #8 flat head screw (one provided for each clip)
- No wireway

- Join two fixtures together
- PPS kit quantity: **(2 kits per ft) + 1**. For example: 1 ft = (2 × 1) + 1 = 3 PPS kits provided.

PPS-LP-96



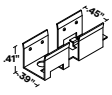
Low profile
PVC channel

Included

- #8 flat head screw (1 screw for every 16")
- No wireway

- Support the fixtures
- PPS kit quantity: **(2 kits per ft) + 1**. For example: 1 ft = (2 × 1) + 1 = 3 PPS kits provided.

MICRO5-BN-UD



Vertical Flexible
Channel

Included

- #4-40 1/2" screws (64 screws for every 16')

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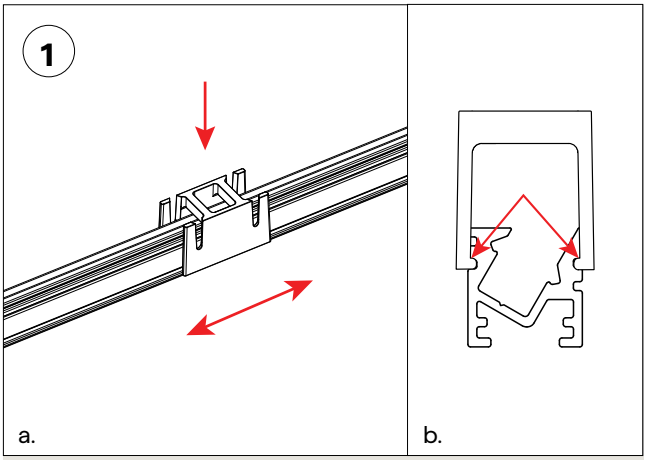
LOUVER INSTALL METHOD: **CLIP-OVER LOUVER**

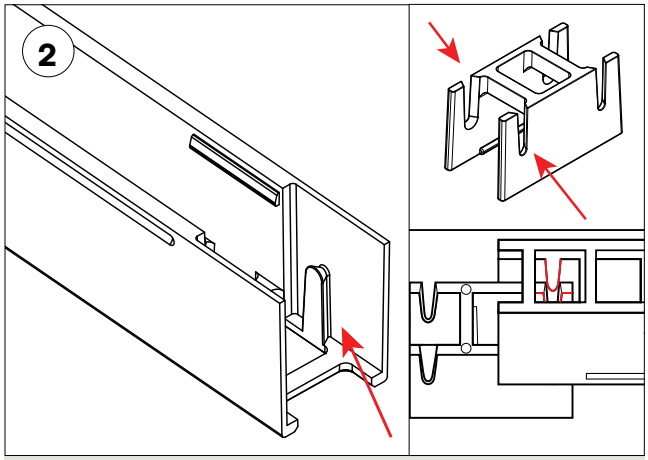
- Louvers can be snapped onto the fixture either before or after it is mounted to the surface using the provided mounting clip.

COMPATIBILITY	Louver Connector
KICKER-FLAT (01)	✓
KICKER-ENCAPSULATED (03)	✓

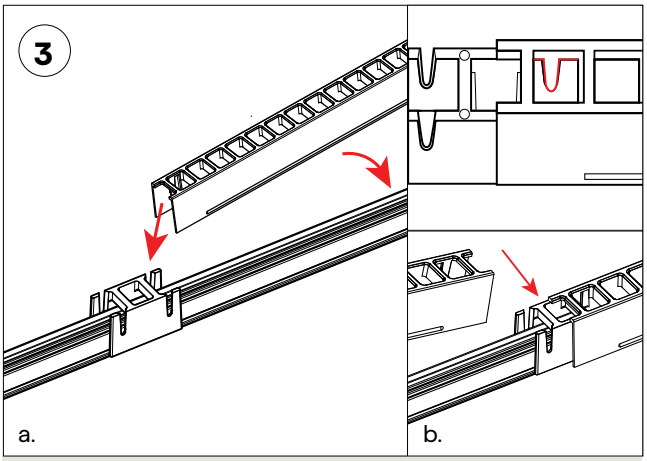


a. Place Clip-Over Louver connector onto the fixture housing in the approximate location. The connector can be moved into final position later.

b. Small runners should fit into extrusions side channels.



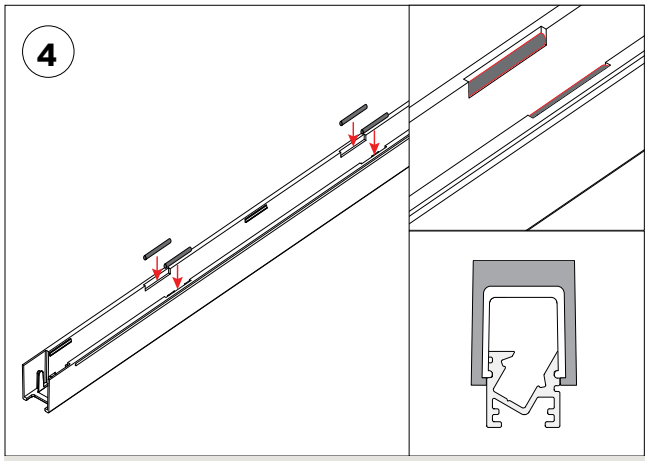
During install line up the dove tail feature on the Clip-Over Louver with the corresponding feature on the Clip-Over Louver Connector.



a. Placing the dove tail feature of the louver first into the corresponding feature on the connector is ideal. Then clip the louver into place on the fixture at a slight angle is best.

b. Snap the next louver onto the fixture and connector in the same process.

NOTE: *These plastic louvers are field-cuttable. Trimming the final segment as needed and positioning the cut end at the end of the fixture is recommended.*



Vertical Install

- If hanging the fixture vertically used the supplied gaskets and insert between extrusion and louver as shown above before inserting into mounting clips.

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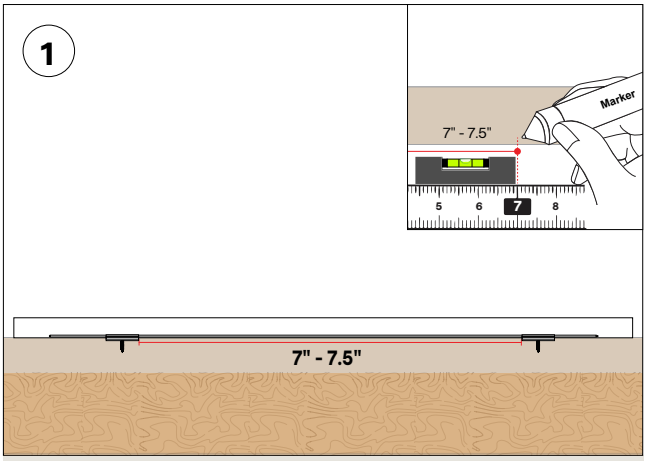
LOUVER INSTALL METHOD: **SCREW MOUNT**

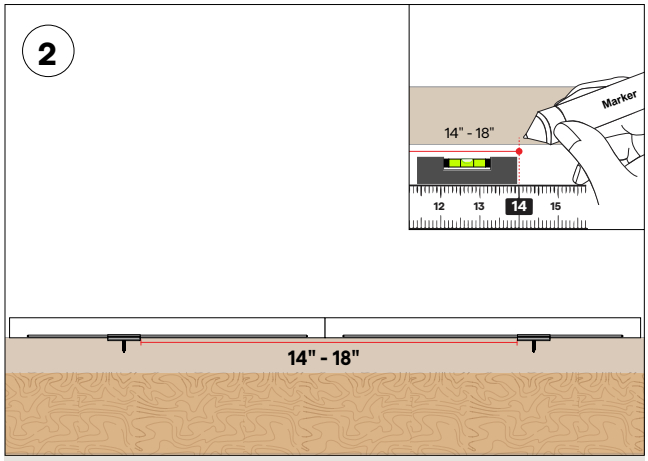
- Louvers can be snapped onto the fixture either before or after it is mounted to the surface using the provided mounting clip.

COMPATIBILITY	SST-01
KICKER-FLAT (01)	✓
KICKER-ENCAPSULATED (03)	✓



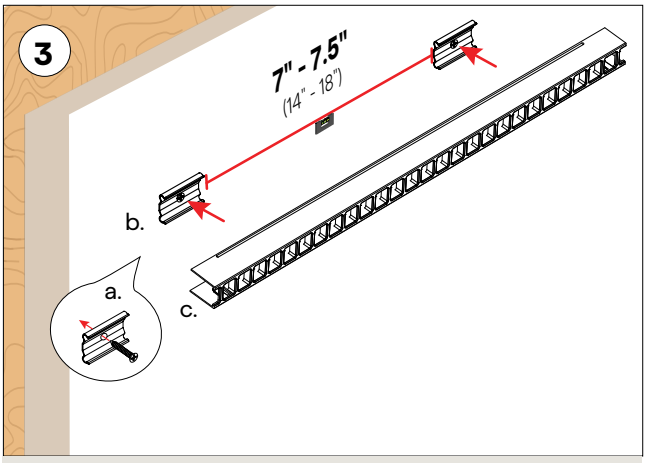
Single Louver Clip

- Determine the MICRO 5 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 7” to 7.5” on single louver.

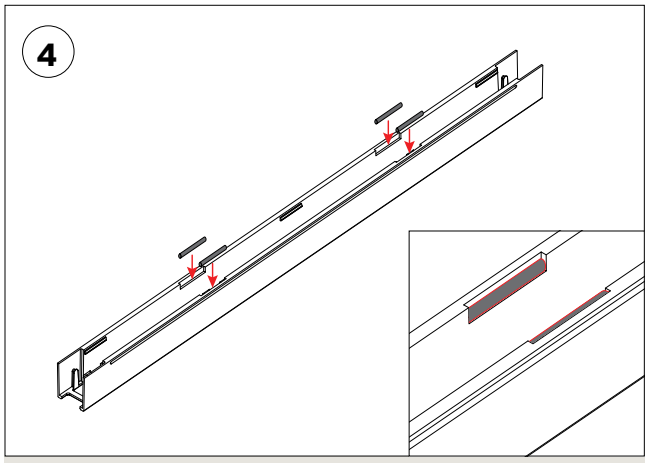


Multiple Louver Clip

- If installing multiple louvers recommended spacing is between 14” and 18”.



a. Secure clips using #4 flat head screw provided.
b. Ensure the Screw head is flush with the clips base.
c. Snap fixture onto clips.



Vertical Install

- If hanging the fixture vertically used the supplied gaskets and insert between extrusion and louver as shown above before inserting into mounting clips.

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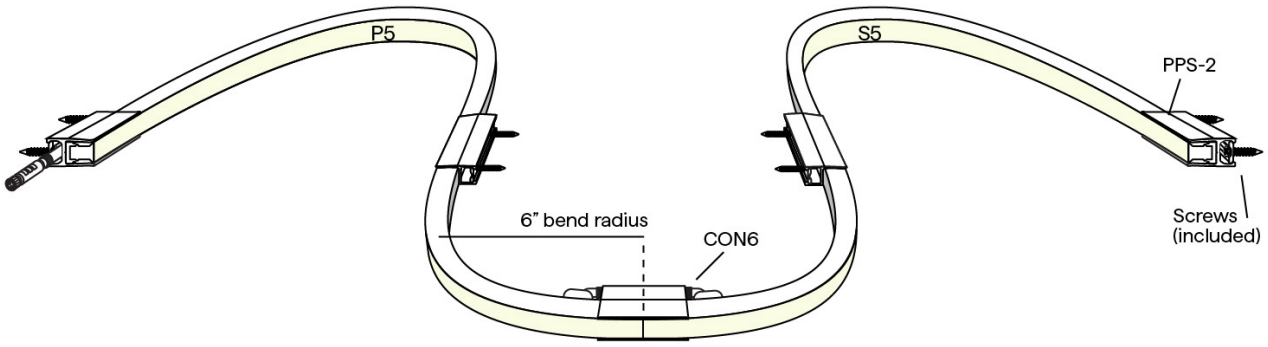
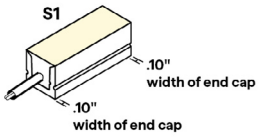
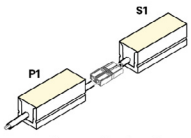
CONTINUOUS WIRING CONFIGURATION OPTIONS

WAVE



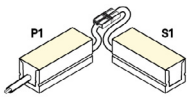


Single End Feed



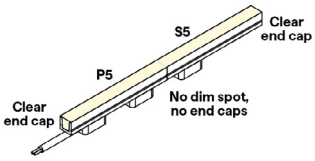
Connection by others

Non-Continuous End Feed

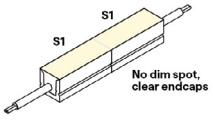


Connection by others

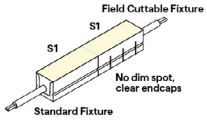
Non-Continuous Corner Feed



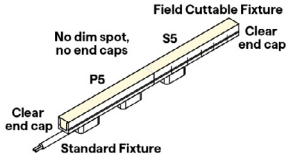
Seamless Bottom Feed



Continuous End to End Feed



Field Cuttable - Continuous End to End Feed



Field Cuttable - Seamless Bottom Feed

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

NOTE: *Additional wire methods include:*
S1, S5: Connector/Wire Input only
P1, P5: Connector/Wire Input and Output

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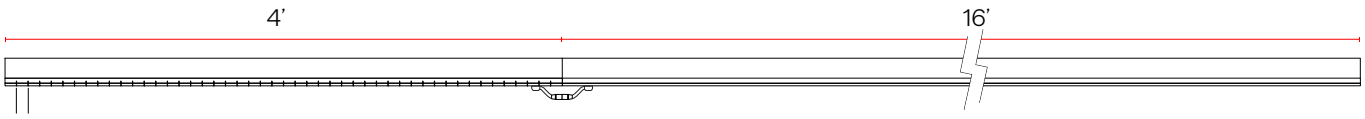
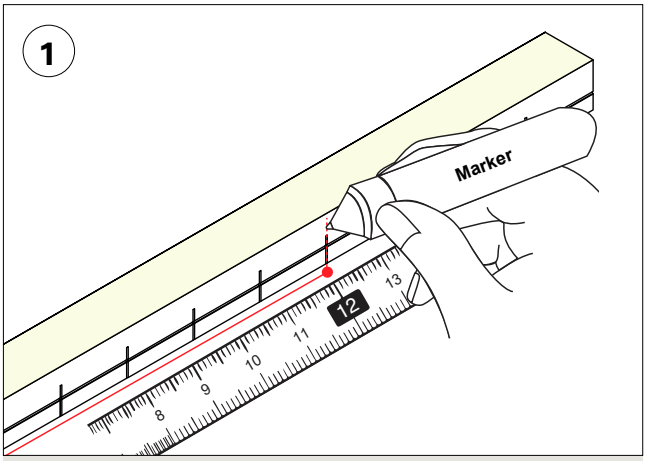
FIELD CUTTABLE

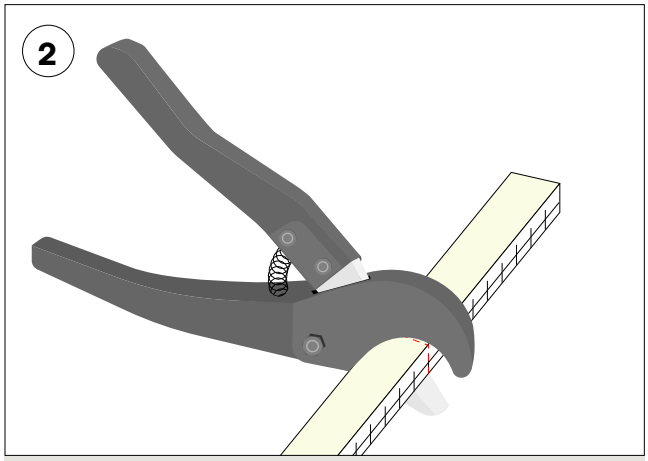
- Field cuttable fixtures are sold in 4' increments and go at the end of a run, allowing easy field adjustment
- Only FC fixtures are field cuttable - DO NOT CUT NON-FIELD CUTTABLE FIXTURES
- Do not attempt to cut while power is on





Mark desired length on field cuttable housing on the cut line.

NOTE: Only Cut on the marked cut lines. Only cut from non-feed end.



Cut with Q-CAP cutter tools (sold separately).

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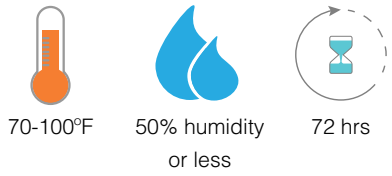
SURFACE MOUNTING METHOD

SURFACE PREPARATION

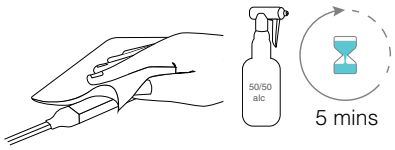
1



Temperature and environmental concerns:

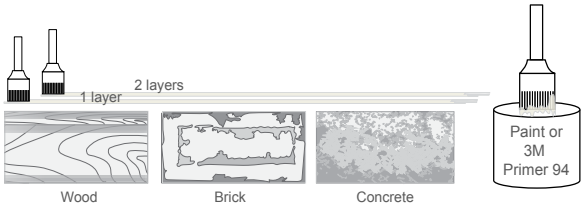
- Ideal application environment is 70-100°F in 50% humidity or less.
- Minimum application temperature: 50°F
- This temperature and humidity should be maintained for 72 hours after application for maximum holding force.

2



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.

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. This can be purchased from 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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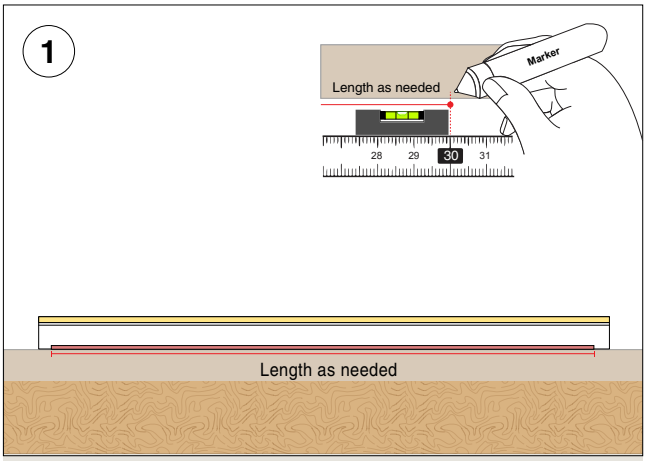
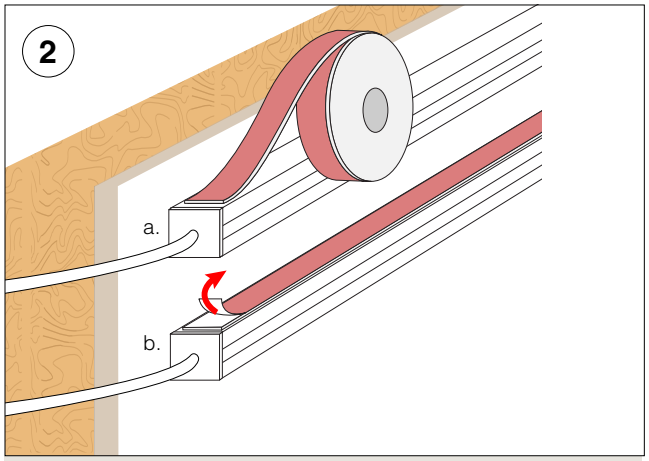
SURFACE MOUNTING METHOD: **VHB ADHESIVE MOUNT**

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

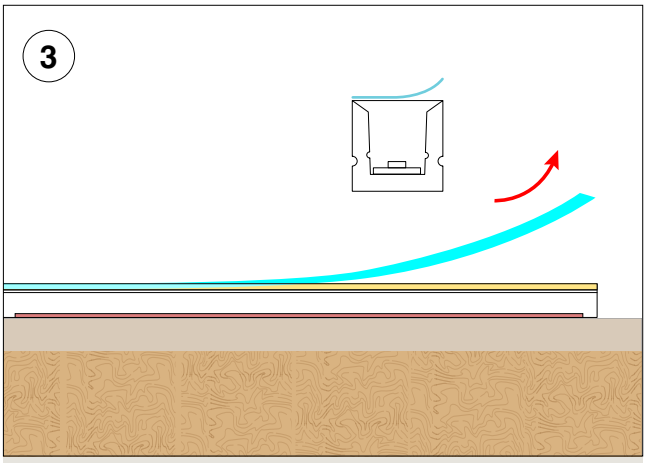


Determine the fixture(s) location and positioning on desired surface before adhering fixture to surface. Make any necessary reference markings to indicate extrusion placement.



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

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



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

NOTES: *EPOXY ALTERNATIVE: For improved bonding strength, apply a small amount of epoxy at each end. Refer to table on* page 6 *for suggested epoxies. These can be purchased at a local hardware store. Please follow all manufacturer instructions for suggested epoxy.*

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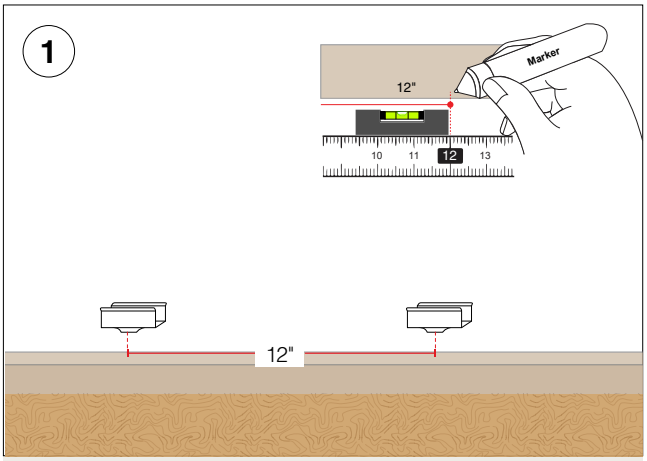
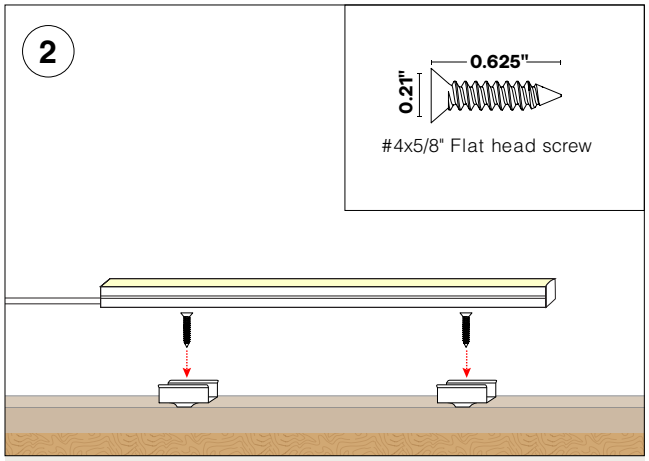
SURFACE MOUNTING METHOD: **WHITE SNUG CLIP**

- 2 clips provided per first 12”, 1 for each additional 12”

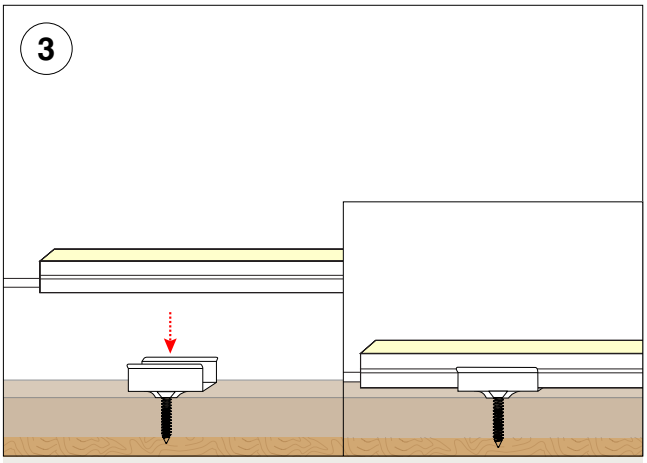


Determine the fixture(s) location and positioning on desired surface; evenly distribute clips. Make any necessary reference markings to indicate where each clip is to be secured in place. Recommended every 12”.



- Secure clips using the #4 flat head hardware provided
- Ensure the screw head is flush with the clip’s base.

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.*



Snap fixture onto clips.

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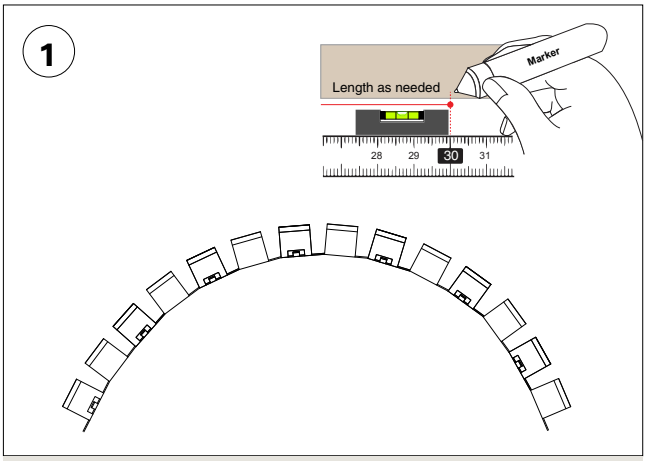
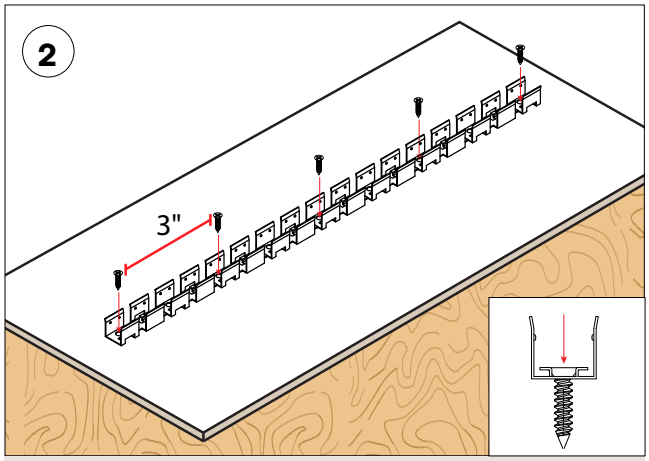
SURFACE MOUNTING METHOD: **BN-UD**



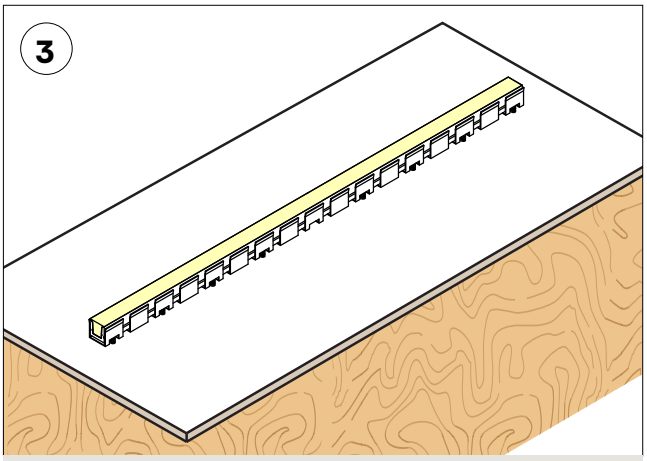
Determine the fixture(s) location and positioning on desired surface and arrange the BENDIT channel into the desired shape. Make any necessary reference markings to indicate where the channel is to be secured in place.

NOTE: The bend of the channel cannot exceed the bend of the fixture, Bending past the recommended amount can damage the fixture, Please see Q-CAP fixture bend radius chart or fixture cut sheet



Use #4 tapping screws to make shape desired while not exceeding fixture bend radius. Recommended 1 screw approximately every 3”

NOTE: Screws should be secured all the way down.



Press fit the fixture into the channel until secure.

Q-CAP Fixture Bend Radius			
Fixture	Vertical Bend	Horizontal Bend	Helical Bend
ANYBEND	9"	9"	-
WAVE	6"	-	-
KURV	-	6"	-
KURV-BK	-	10"	-
LUME	6"	-	-
NEXUS	4"	-	4"
WALA	-	6"	-
WAVE	6"	-	-
WURM	6"	-	6"
ZALA	-	6"	-

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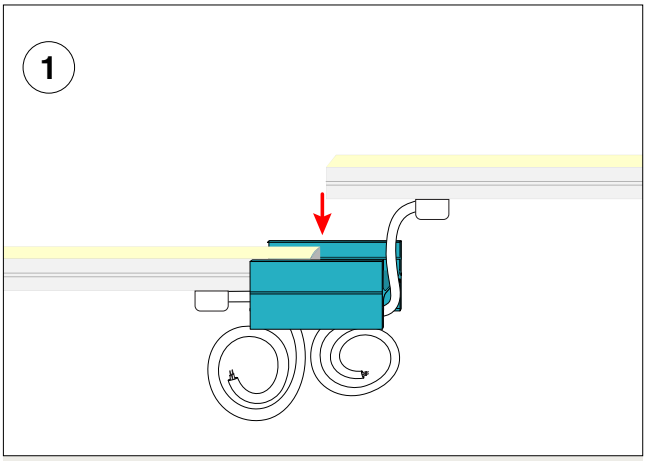
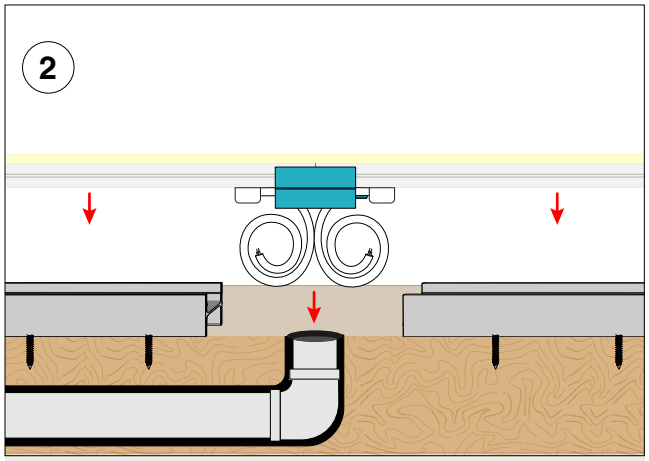
SEAMLESS MOUNTING METHOD: **PPS-2**

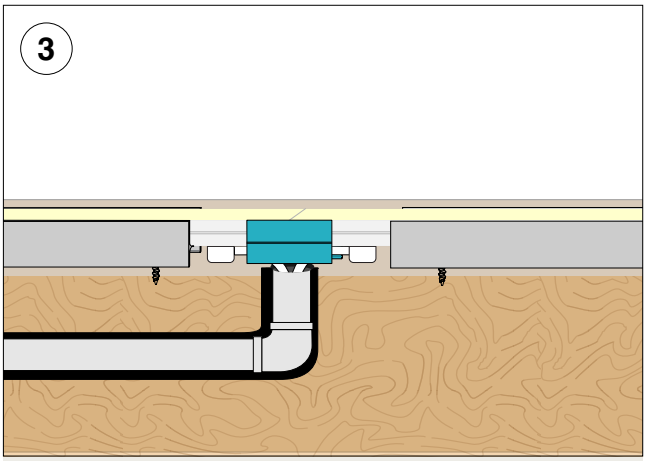
- Connects two seamless fixtures, with or without wire exit
- 2” PVC mount channel
- Built in wireway



Press both fixtures into PPS channel.



Snap fixture into mounted PPS channel. Align the wire exit with conduit and leave a space in the bracketing for the wire exits.



Finished assembly for seamless feed mounting

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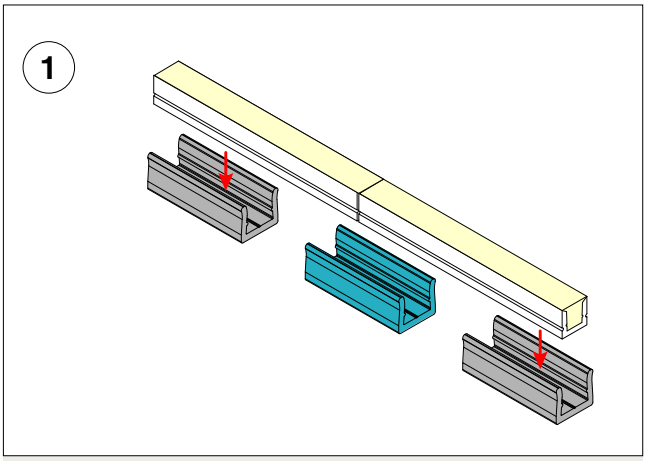
SEAMLESS MOUNTING METHOD: **PPS-LP-2**

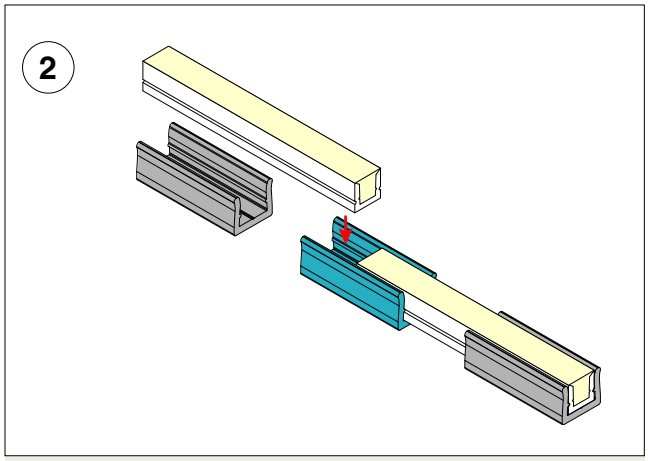
- Connects two fixtures, with no wire exit
- 2” low profile PVC mount channel

1



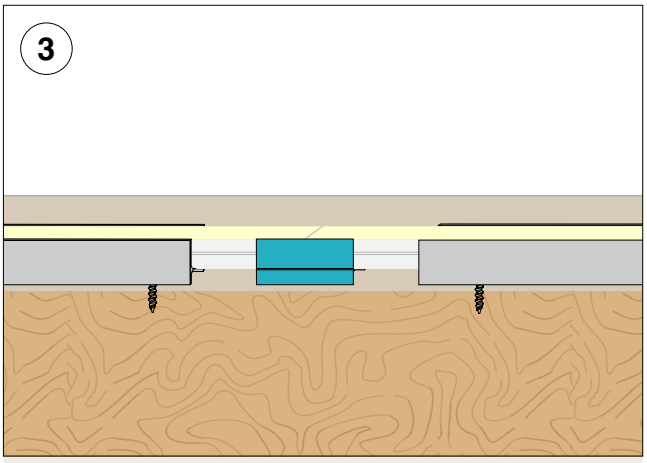
Snap in 2” channel.

2



Press fixture into mounted PPS channel.

3



Finished assembly for end feed mounting

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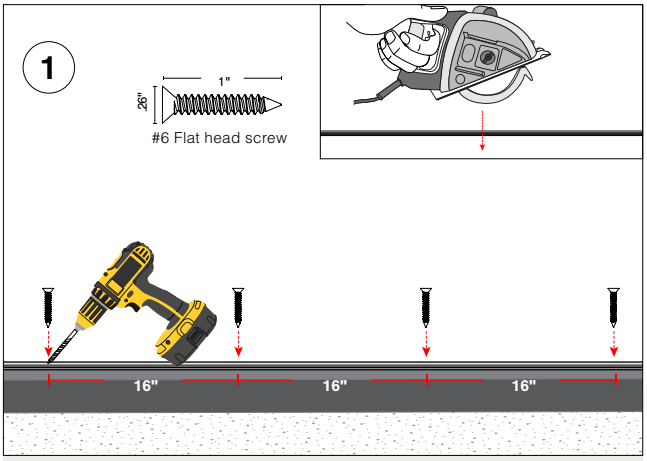
SEAMLESS MOUNTING METHOD: **PPS-96**

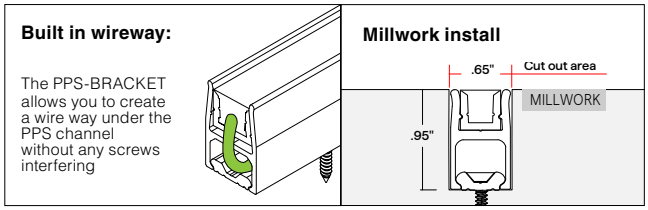
- Support two seamless fixtures, with or without wire exit
- 96" (PPS-96)
- Built in wireway

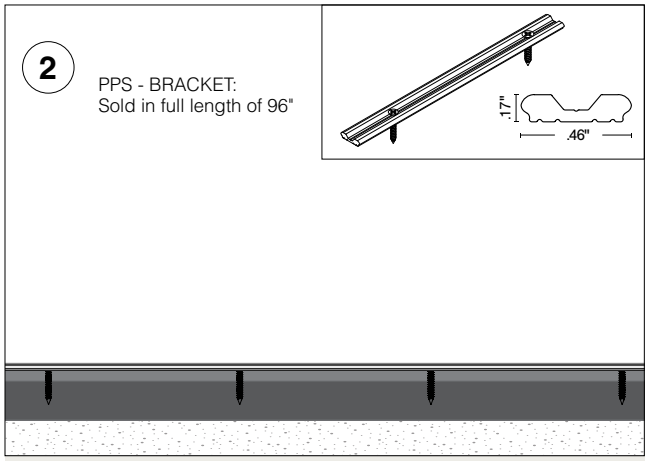


The PPS-BRACKET can be field cuttable and cut to whatever length your application requires. The PPS-BRACKET can be installed as a full length of 96", multiple smaller pieces, or end to end for longer seamless runs.

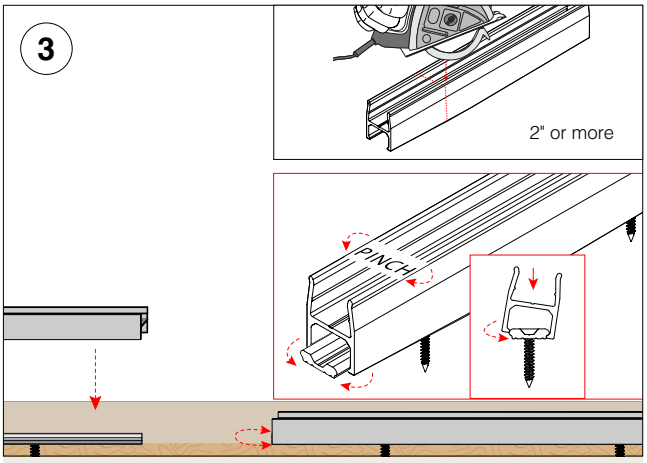
Using pre-drilled pilot holes screw the #6 flat head screws to mount the PPS-BRACKET (1 screw every 16").

NOTE: *For drywall applications mount directly into a stud.*





Using pre-drilled pilot holes, use the #6 flat head screws to mount the PPS-BRACKET.



To mount, pinch the upper half of the PPS-96 while you pivot it around one side of the PPS-BRACKET and push-in until you hear it snap into place. The PPS-96 flexes around the PPS-BRACKET to create a solid, and secure snap on connection.

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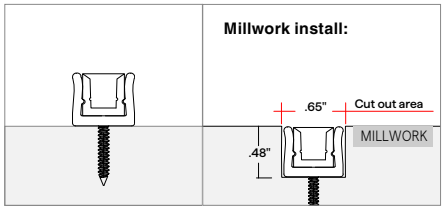
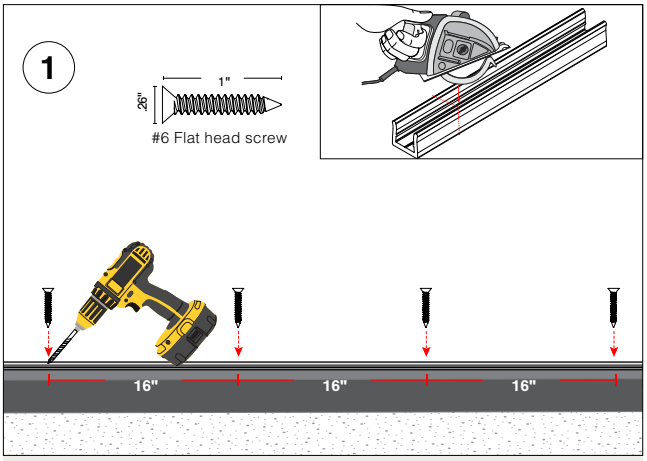
SEAMLESS MOUNTING METHOD: **PPS-LP-96**

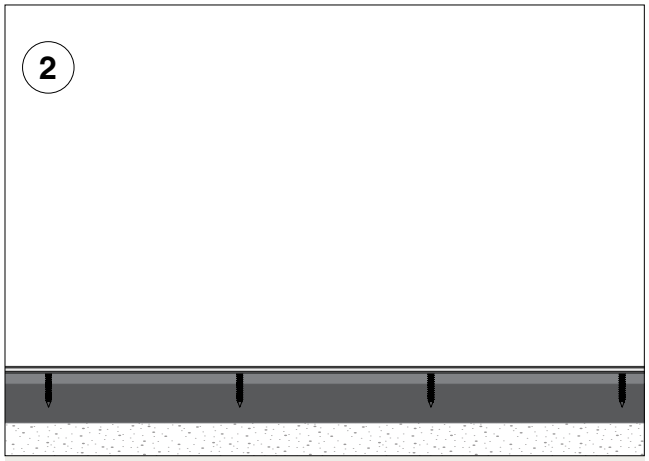
- Support two fixtures, without built-in wireway
- 96” (PPS-LP-96) low profile PVC mount channel





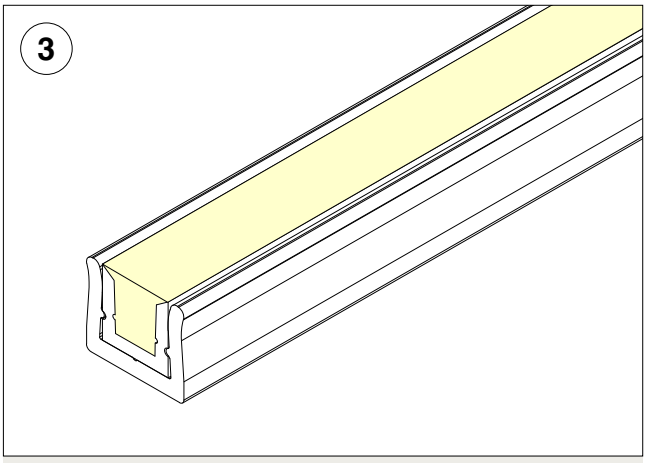
The PPS-LP-96 can be field cuttable and cut to whatever length your application requires. The PPS-LP-96 can be installed as a full length of 96”, multiple smaller pieces, or end to end for longer seamless runs.

Drill holes (1 hole/screw every 16”) into the PPS-LP



Using pre-drilled holes, use the #6 flat head screws to mount the PPS-LP.

NOTE: *For drywall applications mount directly into a stud.*



Snap fixture into PPS-LP.

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Q-CAP WAVE-DW

Flexible Fixtures Color Data

2400K 2.0W ENC/CL

2365 K

CRI: 93.2

CRI R9: 66.1

TM30 Rf: 89.9

TM30 Rg: 103.8

CQS: 86.0

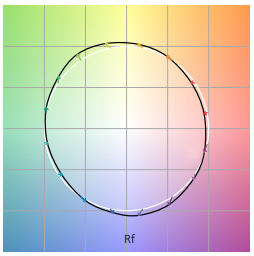
X: 0.486

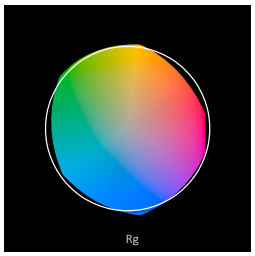
Y: 0.409

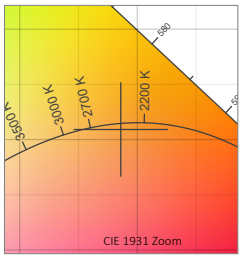
U: 0.280

V: 0.354

Δuv: -0.0019







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94.4	96.3	95.3	93.6	93.4	95.7	92.3	84.1	66.1	89.3	94.2	84.6	95.0	95.9	90.8
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
84.2	92.4	84.1	85.4	87.8	84.0	79.9	84.4	93.9	88.4	87.9	87.8	88.5	86.3	85.1
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
91.9	91.6	83.6	89.3	91.2	88.8	88.2	91.1	94.4	92.4	88.9	88.7	90.1	85.3	91.2	87.3

TM30

Hue Bin	R_f	Chroma	Hue
1	92	-4%	-1%
2	92	-4%	3%
3	84	0%	8%
4	89	3%	6%
5	91	6%	5%
6	89	9%	0%
7	88	4%	-6%
8	91	1%	-6%
9	94	-2%	-2%
10	92	-3%	3%
11	89	1%	7%
12	89	4%	4%
13	90	6%	-6%
14	85	6%	-8%
15	91	2%	-6%
16	87	-2%	-9%

2700K 2.0W ENC/CL

2690 K

CRI: 93.4

CRI R9: 68.6

TM30 Rf: 90.8

TM30 Rg: 102.6

CQS: 89.2

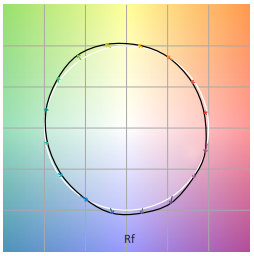
X: 0.458

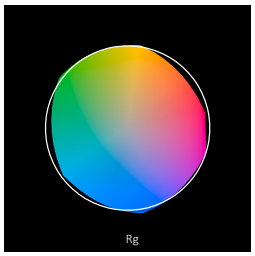
Y: 0.405

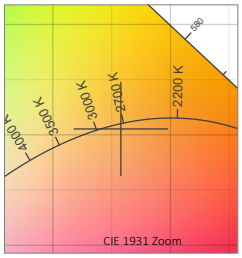
U: 0.264

V: 0.350

Δuv: -0.0018







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94.7	95.8	94.4	94.0	93.6	94.5	93.5	86.2	68.6	88.2	94.2	80.9	95.1	95.6	91.7
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
88.7	96.1	85.2	86.8	90.4	88.0	84.7	89.2	96.1	90.7	90.8	91.1	92.2	89.0	88.5
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
92.6	92.6	86.8	90.8	92.4	90.6	90.8	93.3	95.2	91.7	87.2	88.4	92.0	89.1	91.9	87.4

TM30

Hue Bin	R_f	Chroma	Hue
1	93	-4%	-1%
2	93	-3%	3%
3	87	0%	7%
4	91	2%	5%
5	92	5%	5%
6	91	7%	0%
7	91	3%	-5%
8	93	0%	-4%
9	95	-2%	-1%
10	92	-3%	5%
11	87	0%	9%
12	88	5%	4%
13	92	5%	-2%
14	89	6%	-6%
15	92	1%	-5%
16	87	-1%	-10%

3000K 2.0W ENC/CL

3067 K

CRI: 95.2

CRI R9: 87.5

TM30 Rf: 93.1

TM30 Rg: 101.8

CQS: 92.6

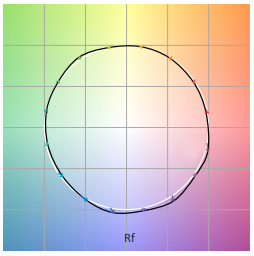
X: 0.433

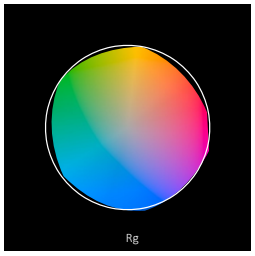
Y: 0.404

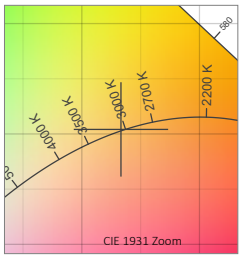
U: 0.248

V: 0.347

Δuv: 0.0006







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.6	95.5	92.0	96.3	94.9	92.7	97.5	95.9	87.5	87.4	95.5	76.3	96.1	94.6	96.0
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
95.7	97.7	86.6	88.1	92.2	91.9	90.3	94.5	95.1	93.1	93.9	95.3	96.3	95.0	95.1
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
95.7	96.3	92.3	94.0	93.1	94.7	95.0	96.9	95.5	89.2	86.6	90.4	95.2	92.2	93.4	89.4

TM30

Hue Bin	R_f	Chroma	Hue
1	96	-2%	-1%
2	96	-2%	1%
3	92	-1%	4%
4	94	0%	3%
5	93	0%	3%
6	95	3%	0%
7	95	0%	-1%
8	97	0%	-2%
9	95	-2%	2%
10	89	-2%	6%
11	87	1%	9%
12	90	5%	5%
13	95	3%	1%
14	92	6%	-2%
15	93	2%	-3%
16	89	3%	-8%

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-01-30-24

Q-CAP WAVE-DW

Flexible Fixtures Color Data

4000K 2.0W ENC/CL

4023 K

CRI: 97.7

CRI R9: 96.3

TM30 Rf: 92.6

TM30 Rg: 100.2

CQS: 95.0

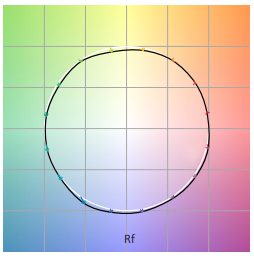
X: 0.378

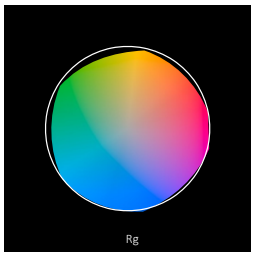
Y: 0.371

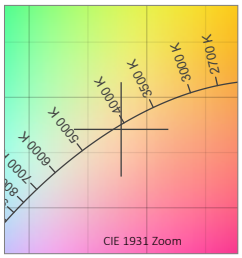
U: 0.226

V: 0.332

Δuv: -0.0021







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.7	99.2	96.4	99.1	97.4	96.0	98.2	97.6	96.3	98.5	97.9	75.1	98.1	97.2	95.8
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
93.7	98.9	89.7	89.0	93.1	96.6	97.2	98.6	97.6	97.8	97.8	99.1	99.7	97.8	96.5
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
94.7	96.8	96.3	93.3	91.8	96.2	94.5	93.1	89.7	88.2	87.1	92.6	94.4	94.7	90.3	90.3

TM30			
Hue Bin	R_f	Chroma	Hue
1	95	0%	1%
2	97	0%	0%
3	96	0%	0%
4	93	-3%	-1%
5	92	-5%	0%
6	96	-1%	1%
7	95	-3%	2%
8	93	-1%	4%
9	90	0%	8%
10	88	0%	8%
11	87	4%	8%
12	93	3%	2%
13	94	3%	-2%
14	95	2%	0%
15	90	2%	-3%
16	90	2%	-5%

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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Q-CAP WAVE-DW

Flexible Fixtures Color Data

2400K 2.0W ENC/TL

2488 K

CRI: 93.0

CRI R9: 66.3

TM30 Rf: 90.0

TM30 Rg: 103.6

CQS: 87.2

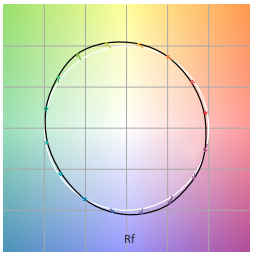
X: 0.475

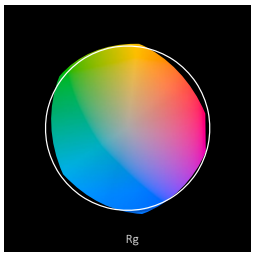
Y: 0.408

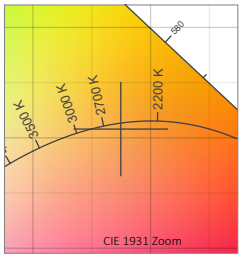
U: 0.273

V: 0.352

Δuv: -0.0019







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94.6	95.9	94.3	93.7	93.4	95.0	92.8	84.8	66.3	88.1	94.1	83.3	95.1	95.3	91.1
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
85.4	94.3	84.7	86.3	88.7	85.0	81.3	86.3	95.1	89.1	89.1	89.4	90.3	87.4	86.2
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
92.2	91.4	85.4	89.0	90.7	88.7	88.1	90.9	94.1	92.2	89.2	88.5	90.9	86.3	91.4	87.8

TM30

Hue Bin	R_f	Chroma	Hue
1	92	-4%	-1%
2	91	-3%	3%
3	85	0%	8%
4	89	3%	6%
5	91	7%	5%
6	89	8%	0%
7	88	4%	-6%
8	91	1%	-6%
9	94	-2%	-3%
10	92	-4%	3%
11	89	0%	8%
12	88	4%	4%
13	91	6%	-3%
14	86	6%	-8%
15	91	2%	-6%
16	88	-1%	-9%

2700K 2.0W ENC/TL

2746 K

CRI: 93.5

CRI R9: 71.4

TM30 Rf: 91.0

TM30 Rg: 102.4

CQS: 89.6

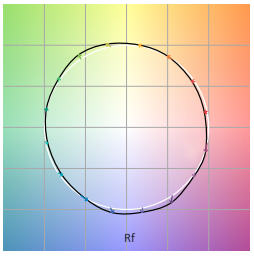
X: 0.453

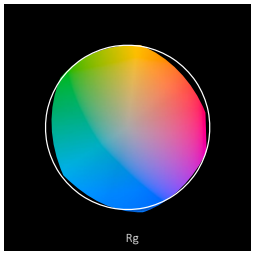
Y: 0.404

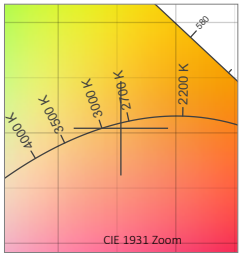
U: 0.261

V: 0.349

Δuv: -0.0018







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94.8	95.8	94.2	94.0	93.7	94.1	94.1	87.5	71.4	88.2	94.0	79.9	95.1	95.6	92.5
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
89.8	96.5	85.0	86.5	90.4	88.5	85.3	89.8	96.1	91.0	90.8	91.3	92.4	90.0	89.5
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
92.9	93.1	87.2	91.1	92.6	91.2	92.0	94.0	95.3	91.1	86.7	88.2	92.3	89.1	92.4	87.0

TM30

Hue Bin	R_f	Chroma	Hue
1	93	-4%	-1%
2	93	-3%	3%
3	87	0%	7%
4	91	1%	5%
5	93	4%	4%
6	91	6%	-1%
7	92	2%	-5%
8	94	0%	-4%
9	95	-2%	-1%
10	91	-3%	5%
11	87	0%	10%
12	88	5%	4%
13	92	5%	-2%
14	89	6%	-6%
15	92	1%	-5%
16	87	0%	-10%

3000K 2.0W ENC/TL

3030 K

CRI: 96.1

CRI R9: 90.0

TM30 Rf: 93.9

TM30 Rg: 101.7

CQS: 93.3

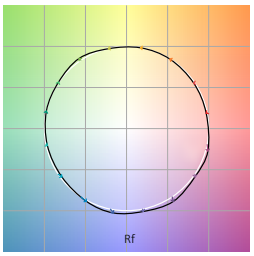
X: 0.436

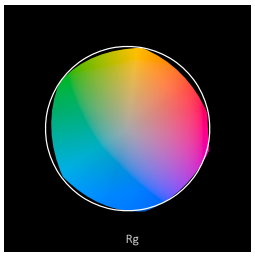
Y: 0.404

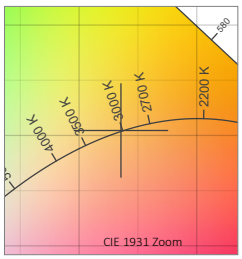
U: 0.250

V: 0.348

Δuv: 0.0004







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.6	96.3	92.5	97.1	96.1	94.1	97.9	96.9	90.0	89.3	96.4	78.8	97.2	94.8	97.0
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
96.0	97.7	87.9	89.4	93.2	92.8	91.1	95.0	95.3	93.7	94.7	96.1	97.0	95.8	95.7
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
96.5	97.0	93.4	94.8	93.6	95.1	95.3	97.2	96.2	90.5	88.5	90.5	95.7	93.1	94.1	90.6

TM30

Hue Bin	R_f	Chroma	Hue
1	96	-1%	-1%
2	97	-1%	1%
3	93	0%	3%
4	95	0%	3%
5	94	0%	3%
6	95	3%	0%
7	95	0%	-1%
8	97	0%	-2%
9	96	-1%	1%
10	91	-2%	5%
11	89	1%	9%
12	91	4%	4%
13	96	3%	0%
14	93	5%	-2%
15	94	2%	-3%
16	91	2%	-7%

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-01-30-24

Q-CAP WAVE-DW

Flexible Fixtures Color Data

4000K 2.0W ENC/TL

4051 K

CRI: 97.2

CRI R9: 94.7

TM30 Rf: 92.5

TM30 Rg: 99.2

CQS: 94.9

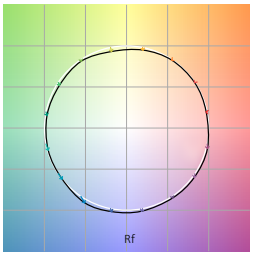
X: 0.379

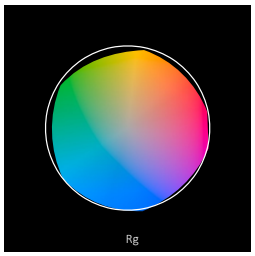
Y: 0.377

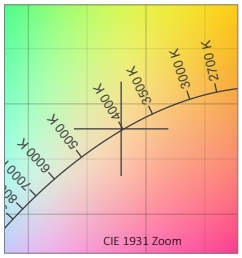
U: 0.224

V: 0.334

Δuv: 0.0007







R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.5	98.6	95.9	97.5	96.4	95.6	98.2	97.3	94.7	94.6	97.6	73.3	98.8	97.1	96.6
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
93.2	98.6	90.0	89.0	92.6	95.2	97.2	98.3	98.1	97.9	98.0	99.0	99.6	98.4	96.7
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
94.6	97.2	96.1	93.2	91.9	96.3	94.2	93.0	89.7	87.6	87.0	92.7	94.1	94.9	90.1	90.2

TM30			
Hue Bin	R_f	Chroma	Hue
1	95	-1%	1%
2	97	0%	0%
3	96	-1%	0%
4	93	-3%	-1%
5	92	-5%	0%
6	96	-2%	1%
7	94	-3%	2%
8	93	-2%	4%
9	90	-1%	8%
10	88	0%	8%
11	87	4%	8%
12	93	3%	2%
13	94	3%	-2%
14	95	2%	-1%
15	90	2%	-4%
16	90	1%	-5%

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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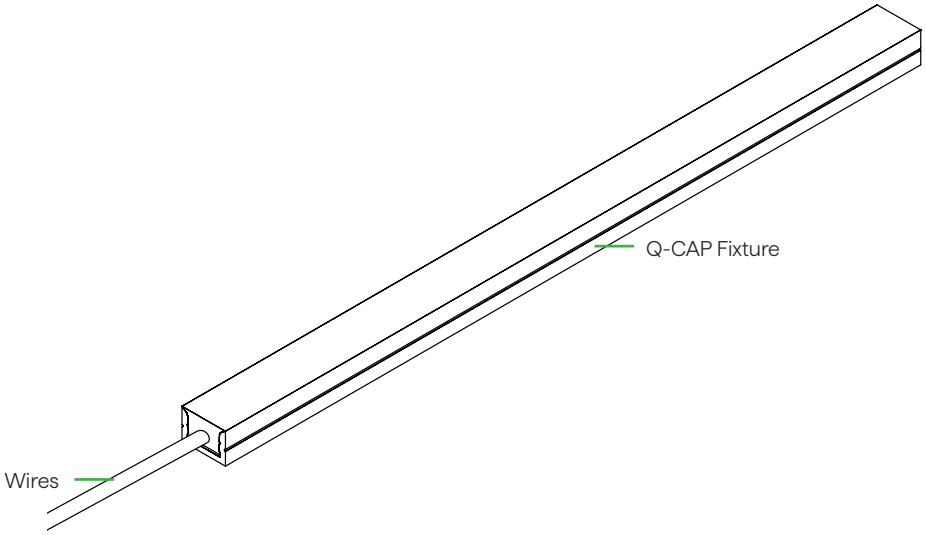
Specification subject to change. Rev-01-30-24

MATERIAL RECYCLING

Q-CAP FLEXIBLE FIXTURES

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.



E

Q-CAP Fixture
Wires

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