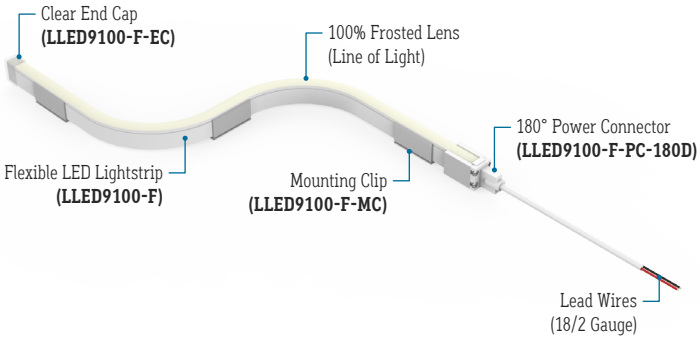
CALI
CALIFORNIA ACCENT LIGHTING INC

LLED9100-F



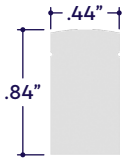
TYPE

JA8 | SINGLE BIN +-30K | RoHS COMPLIANT | DRY/WET | TM-30 LM-79 LM-80 | MADE IN U.S.A.

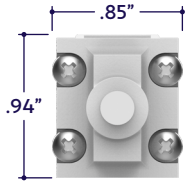
GENERAL FEATURES

APPLICATIONS	Accent, Decorative Lighting, Ingrade Walk-Over
LENS	100% Frosted: No Pixelation (Line of Light)
LENGTH	Built to Order (± 0.25" Tolerance) Select Lengths from **Cut Increments Table** on Page 3
CONSTRUCTION	Flexible Lightstrip
WEIGHT	0.22 lbs per foot
FIELD CUTTING	Dry Location Only Consult factory for Wet Location Field Cutting
MOUNTING	Mounting Clips or Mounting Channel (Sold Separately)
LISTING	Dry or Wet Location UL1598, CSA C22.2#250.0 UL8750, CSA250 UL2108, 67.1.9, 60.4, CSA C22.2 #9
DRIVER	Remote (Sold Separately)
CLOSET RATING	Up to 3.6 Watts per Foot Maximum
TEMPERATURE RATINGS	**Operating / Startup:** -20° to 48°C (-4° to 120°F)
	Storage: -40° to 76°C (-40° to 170°F)
INSTALLATION	Link to Installation Instructions

END VIEWS / DIMENSIONS



Lightstrip Only



Assembled Lightstrip

ELECTRICAL

DIMMING	0-10V, Forward / Reverse Phase, Lutron, DMX, DALI
MAXIMUM RUN (Class 1 Applications)	40' **(4.3W)** 60' **(3.3W)**
MAXIMUM RUN (Class 2 Applications)	20' **(4.3W)** 26' **(3.3W)**
LUMINAIRE VOLTAGE	24VDC

SPECIFY PRODUCT CODE | CHOOSE FROM DROP DOWNS

SERIES	WATTS PER FOOT	DIMMING	CCT LED	LISTING	LUMINAIRE LENGTH*7
LLED9100-F	**3.3W**		**22K**	**WET**	
LLED9100-F **(LLED9100-F)**	3.3 Watts: 204 Lumens / ft*1 **(3.3W)**	Phase Dimming: Forward Phase / Reverse Phase **(PH)**	2200K **(22K)**		
			2400K **(24K)**	Indoor **(DRY)**	Select a length from the cut increments table on next page Example: 7'8"
	4.3 Watts: 266 Lumens/ ft*1 **(4.3W)**	0-10V: 100% - 1% **(10V)**	2700K **(27K)**		
		Hi-Lume 1% 3 Wire*2 **(L3DA)**	3000K **(30K)**	Outdoor **(WET)**	
		Hi-Lume Premier 0.1% JA8*3 **(L3D0)**	3500K **(35K)**		
		JA8 0-10V **(JA8-10V)**	5000K **(50K)**		
		DMX-512*4 **(DMX)**	Red **(R)**		
		DALI*5 **(DALI)**	Green **(G)**		
		Leave Blank for Non-Dimming	Blue **(B)**		
			Amber **(A)**		

*1 Lumens per Foot based on 35K CCT LED with Clear Lens **(CL)**. **Example:** 62 Lumens x 3.3 Watts = 204 Lumens per Foot.
*2 **(L3DA)** 40 watt max Lutron Hi-Lume 1% 3 Wire #L3DA4U1UKL-CV240
*3 **(L3D0)** 96 watt max Hi-Lume Premier 0.1% #L3D0-96W24V-U
*4 Default DMX address of each luminaire is 001. Consult third party DMX commissioner to modify at time of installation.
*5 DALI commissioning to be performed by a third party at time of installation. ALUZ does not provide DALI commissioning.
*6 Luminaire length must be selected from the cut increments table. Specified lengths that deviate from the cut increments will be sized to the nearest smaller increment.
Note: Add 1/8" to luminaire length to account for End Cap. Add 1-1/4"" to luminaire length to account for 180° Power Connector. Add 2" to luminaire length to account for 90° Power Connector.

CALIFORNIA ACCENT LIGHTING, INC.
2820 E. Gretta Lane, Anaheim, CA 92806
ph. 800.921.CALI (2254) | fx. 714.535.7902 | info@calilighting.com | calilighting.com
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alumLEDs™ Manufactured in the U.S.A.

CALIFORNIA ACCENT LIGHTING INC

LLED9100-F

LAMP FEATURES

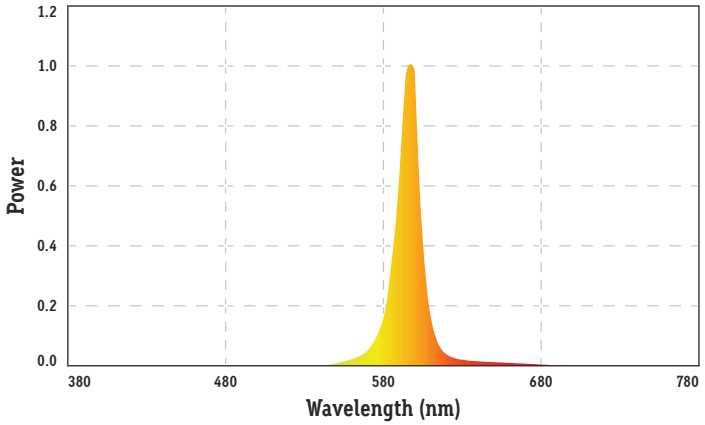
LAMP TYPE	LEDs
CRI	> 90
EFFICACY (Based on 35K CCT LED)	62 Lumens per Watt

LAMP SPECIFICATIONS

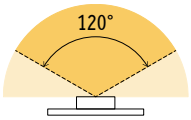
LAMP NUMBER	CORRELATED COLOR TEMPERATURE / DESCRIPTION	EFFICACY (Lumens per Watt)	L70 LED LIFE
22K	2200 Kelvin (Incandescent White)	62	50,000 hrs.
24K	2400 Kelvin (Incandescent White)	62	
27K	2700 Kelvin (Warm White)	62	
30K	3000 Kelvin (Warm White)	62	
35K	3500 Kelvin (Neutral White)	62	
50K	5000 Kelvin (Cool White)	62	
R	Red (621nm)	62	
G	Green (528nm)	62	
B	Blue (471nm)	62	
A	Amber (589nm)	62	

To calculate Lumens per Foot, multiply Efficacy by Watts per Foot.
Example: 62 Lumens per Watt x 3.3 Watts per Foot = 204 Lumens per Foot.

SPECTRAL POWER DISTRIBUTION AMBER LED (590nm) TURTLE FRIENDLY



BEAM ANGLES



120° x 120° Beam

DRIVERS

DIMMING SELECTION	PRODUCT CODE	LINK TO SPECIFICATION SHEET / URL
Phase Dimming: Forward Phase / Reverse Phase	**(PH)**	https://www.calilighting.com/assets/pdf/drivers/Drivers-Brochure.pdf
0-10V: 100% - 1%	**(10V)**	https://www.calilighting.com/assets/pdf/drivers/Drivers-Brochure.pdf
Hi-Lume 1% 3 Wire	**(L3DA)**	https://www.calilighting.com/assets/pdf/LutronDrivers/Lutron-Drivers.pdf
Hi-Lume Premier 0.1% JA8	**(L3D0)**	https://www.calilighting.com/assets/pdf/LutronDrivers/Lutron-Drivers.pdf
JA8 0-10V	**(JA8-10V)**	https://www.calilighting.com/assets/pdf/drivers/Drivers-Brochure.pdf
DMX-512	**(DMX)**	https://www.calilighting.com/assets/pdf/drivers/DRV100-E.pdf
DALI	**(DALI)**	https://www.calilighting.com/assets/pdf/drivers/DRV100-E.pdf

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alumLEDs™ Manufactured in the U.S.A.

CUT INCREMENTS

Nominal Length		Cut Length	
Feet	Inches	Feet	Inches
0'	3-1/2"	0'	3.28"
0'	6-3/4"	0'	6.56"
0'	10"	0'	9.86"
1'	1-1/4"	1'	1.16"
1'	4-1/2"	1'	4.46"
1'	8"	1'	7.76"
1'	11-1/4"	1'	11.06"
2'	2-1/2"	2'	2.36"
2'	5-3/4"	2'	5.66"
2'	9"	2'	8.96"
3'	1/4"	3'	0.25"
3'	3-3/4"	3'	3.56"
3'	9"	3'	6.85"
3'	10-1/4"	3'	10.16"
4'	1-1/2"	4'	1.45"
4'	4-3/4"	4'	4.75"
4'	8-1/4"	4'	8.05"
4'	11-1/2"	4'	11.36"
5'	2-3/4"	5'	2.65"
5'	6"	5'	5.95"
5'	9-1/4"	5'	9.25"
6'	3/4"	6'	0.55"
6'	4"	6'	3.85"
6'	7-1/4"	6'	7.15"
6'	10-1/2"	6'	10.46"
7'	1-3/4"	7'	1.75"
7'	5-1/4"	7'	5.05"
7'	8-1/2"	7'	8.35"
7'	11-3/4"	7'	11.66"
8'	3"	8'	2.95"
8'	6-1/4"	8'	6.25"
8'	10"	8'	9.55"
9'	1"	9'	0.85"
9'	4-1/4"	9'	4.15"
9'	7-1/2"	9'	7.45"
9'	10-3/4"	9'	10.75"
10'	2-1/4"	10'	2.05"
10'	5-1/2"	10'	5.35"
10'	8-3/4"	10'	8.65"
11'	0"	10'	11.96"
11'	3-1/4"	11'	3.25"
11'	6-3/4"	11'	6.55"
11'	10"	11'	9.85"
12'	1-1/4"	12'	1.16"
12'	4-1/2"	12'	4.46"
12'	8"	12'	7.76"
12'	11-1/4"	12'	11.06"
13'	2-1/2"	13'	2.36"
13'	5-3/4"	13'	5.66"
13'	9"	13'	8.96"
14'	1/2"	14'	0.26"
14'	3-3/4"	14'	3.56"
14'	7"	14'	6.86"
14'	10-1/4"	14'	10.16"
15'	1-1/2"	15'	1.46"
15'	5"	15'	4.76"
15'	8-1/4"	15'	8.06"
15'	11-1/2"	15'	11.36"
16'	2-3/4"	16'	2.66"
16'	6"	16'	5.96"
16'	9-1/2"	16'	9.26"
17'	3/4"	17'	0.56"
17'	4"	17'	3.86"
17'	7-1/4"	17'	7.16"
17'	10-1/2"	17'	10.46"
18'	2"	18'	1.76"
18'	5-1/4"	18'	5.06"
18'	8-1/2"	18'	8.36"
18'	11-3/4"	18'	11.66"
19'	3"	19'	2.96"
19'	6-1/2"	19'	6.26"
19'	9-3/4"	19'	9.56"
20'	1"	20'	0.86"
20'	4-1/4"	20'	4.16"
20'	7-1/2"	20'	7.46"
20'	11"	20'	10.76"
21'	2-1/4"	21'	2.06"
21'	5-3/4"	21'	5.36"
21'	8-3/4"	21'	8.66"
22'	0"	21'	11.96"
22'	3-1/2"	22'	3.26"
22'	6-3/4"	22'	6.56"
22'	10"	22'	9.86"
23'	1-1/4"	23'	1.16"
23'	4-1/2"	23'	4.46"
23'	8"	23'	7.76"
23'	11-1/4"	23'	11.06"
24'	2-1/2"	24'	2.36"
24'	5-3/4"	24'	5.66"
24'	9"	24'	8.96"
25'	1/2"	25'	0.26"
25'	3-3/4"	25'	3.56"
25'	7"	25'	6.86"
25'	10-1/4"	25'	10.16"
26'	1-1/2"	26'	1.46"
26'	5"	26'	4.76"
26'	8-1/4"	26'	8.06"
26'	11-1/2"	26'	11.36"
27'	2-3/4"	27'	2.66"
27'	6"	27'	5.96"
27'	9-1/2"	27'	9.26"
28'	3/4"	28'	0.56"
28'	4"	28'	3.86"
28'	7-1/4"	28'	7.16"
28'	10-1/2"	28'	10.46"
29'	2"	29'	1.76"
29'	5-1/4"	29'	5.06"
29'	8-1/2"	29'	8.36"
29'	11-3/4"	29'	11.66"
30'	3"	30'	2.96"
30'	6-1/2"	30'	6.26"
30'	10"	30'	9.56"
31'	1"	31'	0.86"
31'	4-1/4"	31'	4.16"
31'	7-1/2"	31'	7.46"
31'	11"	31'	10.76"
32'	2-1/4"	32'	2.06"
32'	5-1/2"	32'	5.36"
32'	8-3/4"	32'	8.66"
33'	0"	32'	11.96"
33'	3-1/2"	33'	3.26"
33'	6-3/4"	33'	6.56"
33'	10"	33'	9.86"
34'	1-1/4"	34'	1.16"
34'	4-1/2"	34'	4.46"
34'	8"	34'	7.76"
34'	11-1/4"	34'	11.06"
35'	2-1/2"	35'	2.36"
35'	5-3/4"	35'	5.66"
35'	9"	35'	8.96"
36'	1/2"	36'	0.26"
36'	3-3/4"	36'	3.56"
36'	7"	36'	6.86"
36'	10-1/4"	36'	10.16"
37'	1-1/2"	37'	1.46"
37'	5"	37'	4.76"
37'	8-1/4"	37'	8.06"
37'	11-1/2"	37'	11.36"
38'	2-3/4"	38'	2.66"
38'	6"	38'	5.96"
38'	9-1/2"	38'	9.26"
39'	3/4"	39'	0.56"
39'	4"	39'	3.86"
39'	7-1/4"	39'	7.16"
39'	10-1/2"	39'	10.46"
40'	2"	40'	1.76"
40'	5-1/4"	40'	5.06"
40'	8-1/2"	40'	8.36"
40'	11-3/4"	40'	11.66"
41'	3"	41'	2.96"
41'	6-1/2"	41'	6.26"
41'	10"	41'	9.56"
42'	1"	42'	0.86"
42'	4-1/4"	42'	4.16"
42'	7-1/2"	42'	7.46"
42'	11"	42'	10.76"
43'	2-1/4"	43'	2.06"
43'	5-1/2"	43'	5.36"
43'	8-3/4"	43'	8.66"
44'	0"	43'	11.96"
44'	3-1/2"	44'	3.26"
44'	6-3/4"	44'	6.56"
44'	10"	44'	9.86"
45'	1-1/4"	45'	1.16"
45'	4-1/2"	45'	4.46"
45'	8"	45'	7.76"
45'	11-1/4"	45'	11.06"
46'	2-1/2"	46'	2.36"
46'	5-3/4"	46'	5.66"
46'	9"	46'	8.96"
47'	1/2"	47'	0.26"
47'	4"	47'	3.56"
47'	7"	47'	6.86"
47'	10-1/4"	47'	10.16"
48'	1-1/2"	48'	1.46"
48'	5"	48'	4.76"
48'	8-1/4"	48'	8.06"
48'	11-1/2"	48'	11.36"
49'	2-3/4"	49'	2.66"
49'	6"	49'	5.96"
49'	9-1/2"	49'	9.26"
50'	3/4"	50'	0.56"
50'	4"	50'	3.86"
50'	7-1/4"	50'	7.15"
50'	10-1/2"	50'	10.45"
51'	1-3/4"	51'	1.75"
51'	5-1/4"	51'	5.05"
51'	8-1/2"	51'	8.35"
51'	11-3/4"	51'	11.65"
52'	3"	52'	2.95"
52'	6-1/4"	52'	6.25"
52'	9-3/4"	52'	9.55"
53'	1"	53'	0.85"
53'	4-1/4"	53'	4.15"
53'	7-1/2"	53'	7.45"
53'	10-3/4"	53'	10.75"
54'	2-1/4"	54'	2.05"
54'	5-1/2"	54'	5.35"
54'	8-3/4"	54'	8.65"
55'	0"	54'	11.95"
55'	3-1/4"	55'	3.25"
55'	6-3/4"	55'	6.55"
55'	10"	55'	9.85"
56'	1-1/4"	56'	1.12"
56'	4-1/2"	56'	4.45"
56'	7-3/4"	56'	7.75"
56'	11-1/4"	56'	11.05"
57'	2-1/2"	57'	2.35"
57'	5-3/4"	57'	5.65"
57'	9"	57'	8.95"
58'	1/4"	58'	0.25"
58'	3-3/4"	58'	3.55"
58'	7"	58'	6.85"
58'	10-1/4"	58'	10.15"
59'	1-1/2"	59'	1.45"
59'	4-3/4"	59'	4.75"
59'	8-1/4"	59'	8.05"
59'	11-1/2"	59'	11.35"
60'	2-3/4"	60'	2.65"
60'	6"	60'	5.95"

Luminaire length must be selected from the above table. Use the **Nominal Length** column to specify run lengths. Specified lengths that deviate from the cut increments will be sized to the nearest smaller increment.

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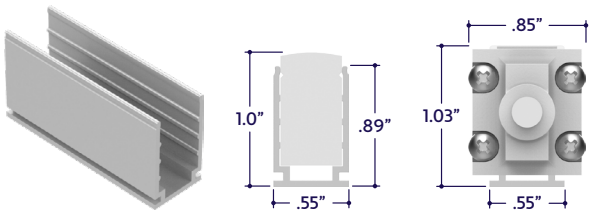
MOUNTING OPTIONS (Sold Separately)

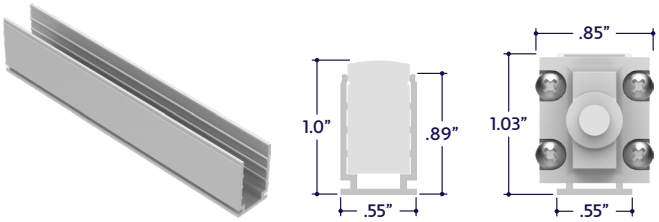
Note: Mounting clips are only available in Natural Silver Finish, unless otherwise specified.



Mounting Clip
(LLED9100-F-MC)

PART #	QTY.
LLED9100-F-MC	

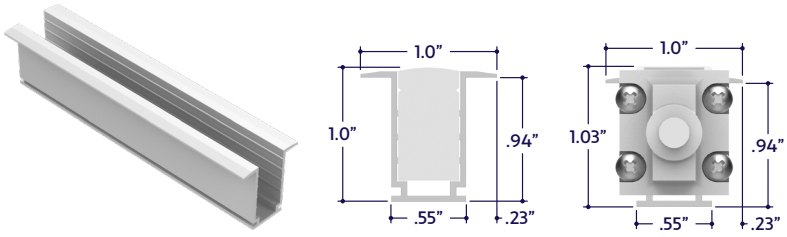
Note: Use 3 mounting clips per 1', rounded up.
Click on image to see cut sheet for additional details.



8' Standard Mounting Channel
(LLED9100-F-UC-8')

PART #	QTY.
LLED9100-F-UC-8'	

Note: Available in 8' field cuttable segments.
Click on image to see cut sheet for additional details.



8' Recessed Mounting Channel
(LLED9100-F-UCS-8')

PART #	QTY.
LLED9100-F-UCS-8'	

Note: Available in 8' field cuttable segments.
Click on image to see cut sheet for additional details.

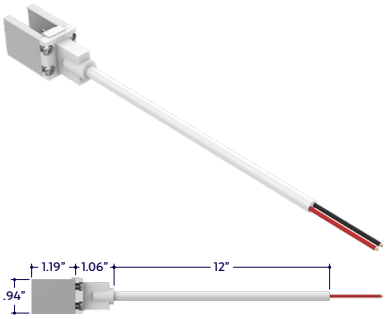
Clear End Cap
(LLED9100-F-EC)

PART #	QTY.
LLED9100-F-EC	

Note: Order 1 end cap for each run.

CONNECTORS (Sold Separately)

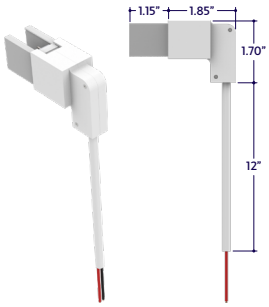
Note: Connectors are factory assembled to each run length.



180° Power Connector
20/2 Gauge Wire
(LLED9100-F-PC-180D)

PART #	QTY.
LLED9100-F-PC-180D	

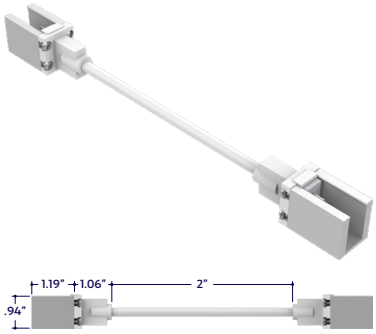
Note: Use 1 power connector per run.



90° Power Connector
20/2 Gauge Wire
(LLED9100-F-PC-90D)

PART #	QTY.
LLED9100-F-PC-90D	

Note: Use 1 power connector per run.



2" Jumper Cable
20/2 Gauge Wire
(LLED9100-F-JC)

PART #	QTY.
LLED9100-F-JC	

Note: Use jumper cable as needed to traverse obstacles.

CALIFORNIA ACCENT LIGHTING, INC.
2820 E. Gretta Lane, Anaheim, CA 92806
ph. 800.921.CALI (2254) | fx. 714.535.7902 | info@calilighting.com | calilighting.com
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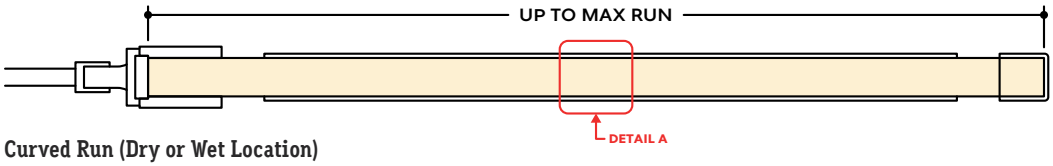
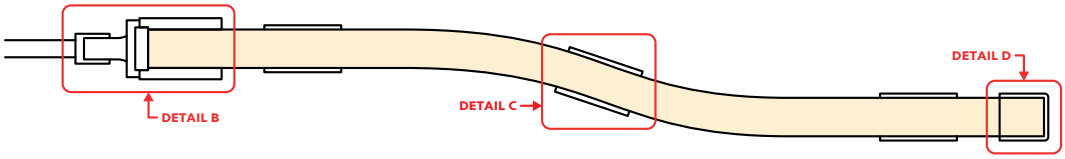
alumLEDs™ Manufactured in the U.S.A.

DESIGN GUIDELINES

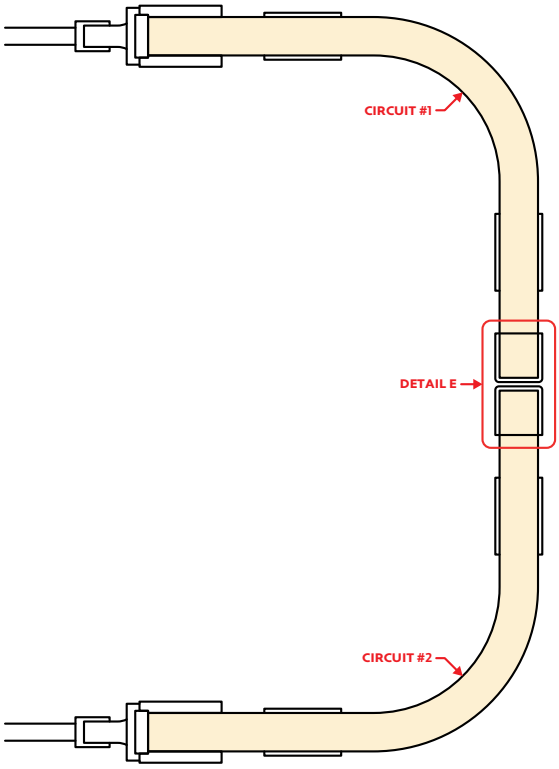
Straight Run (Dry or Wet Location)



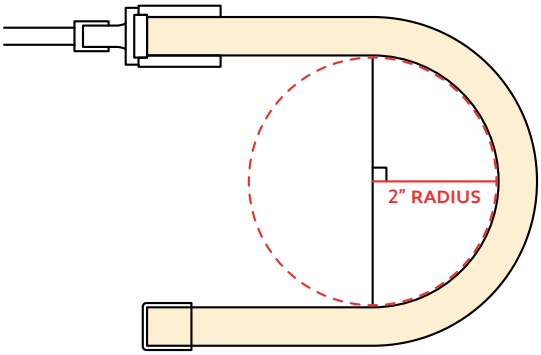
Curved Run (Dry or Wet Location)



Power Distribution



Minimum Bend Radius



KEY

DETAIL A	Mounting Channel: Used for linear applications to keep the run straight.
DETAIL B	Power Connector: Connects the lighting to remote driver power source.
DETAIL C	Mounting Clip: Use for curved application to hold the lightstrip at various points.
DETAIL D	Clear End Cap: Used to terminate a run.
DETAIL E	Two Ends Meet: When a run exceeds the maximum run length, it is split into multiple circuits. The runs are positioned so the two ends meet.

Note: Drawings not to scale. Product may differ from examples shown.

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