

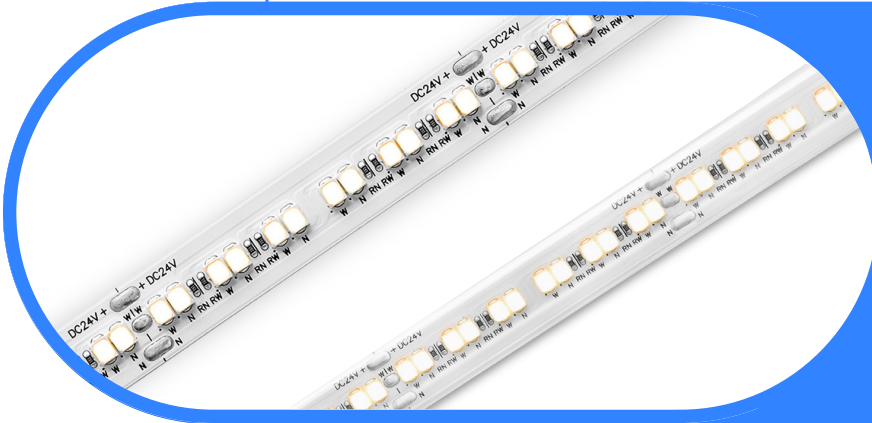


# Complete Specification Sheet

## Uniform Color Tuning

# Uniform Color Tuning

Color Tuning Flexible Linear



### Specifications

<b>Category</b>	Flexible Linear
<b>Series</b>	Uniform
<b>Family</b>	Color Tuning
<b>Diode</b>	2835
<b>Diode Pitch</b>	65 LED/ft
<b>CRI</b>	93-96
<b>CCT Options</b>	1800K - 3500K
<b>Input Voltage</b>	24V DC
<b>Width</b>	0.47in (12mm)
<b>Height</b>	0.07in (1.8mm)
<b>Width w/ Outdoor Jacket</b>	0.57in (14.5mm)
<b>Height w/ Outdoor Jacket</b>	0.18in (4.5mm)
<b>Width w/ End Cap</b>	0.69in (17.5mm)
<b>Height w/ End Cap</b>	0.24in (6mm)
<b>Max Run Length</b>	31ft (1-2 Step), 35ft (3-Step)
<b>Cut Intervals</b>	2.19in (55.6mm)
<b>Beam Angle</b>	120°
<b>Lumens per Foot</b>	104-665 lm/ft
<b>Life Expectancy</b>	50,000 Hour Life (L70)
<b>Storage Temp.</b>	-4°F (-20°C) to 158°F (70°C)
<b>Operating Temp.</b>	-4°F (-20°C) to 140°F (60°C)

### Features

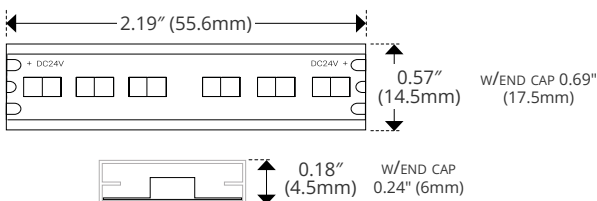
- Uses U2835 Diodes
- Create a Custom Fixture with Kelvix Channels
- 5-Year Warranty
- UL-Listed
- IP20 Indoor and IP65 Outdoor
- 3M™ Industrial Adhesive Backing
- For Use with 24V Power Supplies
- Dimmable Using Kelvix Power Supplies
- Offered 1-step, 2-step, and 3-step SDCM

### Description

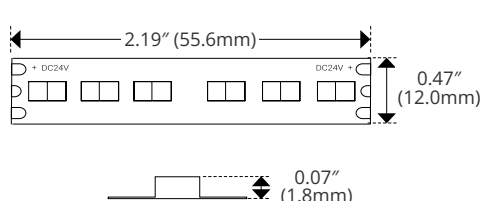
Our Uniform series provides single bin color consistency across every single output option. Uniform Color Tuning allows you to dial in an exact CCT from 1800K-3500K.

### Dimensions

#### OUTDOOR



#### INDOOR



Kelvix reserves the right to update the product specifications at any time. To maintain warranty, field modifications must follow approved Kelvix installation instruction.

Conforms to ANSI/UL Standard 2108

Certified to CAN/CSA Standard C22.2 No. 250.2

Fixture Type \_\_\_\_\_

Project Name \_\_\_\_\_

Location \_\_\_\_\_

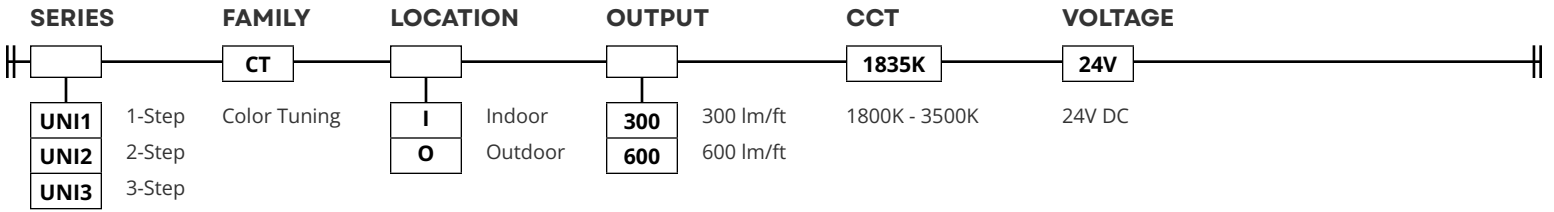


# Product Code Builder

## Uniform Color Tuning

### Product Code Builder

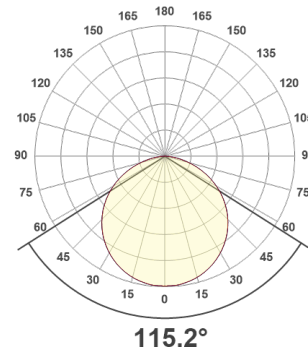
Example: UNI1-CT-O-300-1835K-24V-NA



### OUTPUT AND CCT

	1-Step		2-Step		3-Step	
	300 (lm/ft)	600 (lm/ft)	300 (lm/ft)	600 (lm/ft)	300 (lm/ft)	600 (lm/ft)
<b>1800K Indoor</b>	132	255	129	252	104	208
<b>3500K Indoor</b>	222	430	215	421	184	370
<b>Efficacy (lm/W) Indoor</b>	102	96	100	95	102	98
<b>1800K Outdoor</b>	113	197	115	202	99	184
<b>3500K Outdoor</b>	190	335	169	298	173	324
<b>Efficacy (lm/W) Outdoor</b>	88	76	83	71	97	86
<b>All On (lm/ft)</b>	348	665	339	654	287	568
<b>Wattage (per ft)</b>	3.4	6.9	3.4	6.9	2.8	5.8
<b>Max Run Length (ft)</b>	31	14	31	14	35	19

### POLAR PLOT



Power consumption based on average wattage per foot. Refer to Power Chart on next page(s) for details.

300 lm/ft Indoor		CRI	Rf	Rg	R9
1-Step	1800K	95.1	93.7	101.7	80
	3500K	96	92.9	101	97
2-Step	1800K	95.3	93.6	101.5	79
	3500K	96.8	93.1	101.8	97
3-Step	1800K	93.4	91.8	100.1	68
	3500K	96.6	92.7	101.2	78

300 lm/ft Outdoor		CRI	Rf	Rg	R9
1-Step	1800K	94.8	92.7	102.7	81
	3500K	96.7	93.9	102.1	97
2-Step	1800K	95.2	94.1	100.4	79
	3500K	97.4	95	102.4	98
3-Step	1800K	93.3	91.4	100.6	66
	3500K	96.5	92.6	100.9	76

600 lm/ft Outdoor		CRI	Rf	Rg	R9
1-Step	1800K	95.1	93.5	101.8	78
	3500K	96.3	93.1	101.1	97
2-Step	1800K	95.4	93.8	101.1	77
	3500K	96.9	93.2	101.9	98
3-Step	1800K	93.6	92.2	99.1	66
	3500K	96.4	92.6	101	75

600 lm/ft Outdoor		CRI	Rf	Rg	R9
1-Step	1800K	94.8	92.8	102.4	79
	3500K	96.8	94.1	102.2	96
2-Step	1800K	95.2	93.8	100.9	78
	3500K	97.3	94.9	102.7	99
3-Step	1800K	93.5	91.8	100	65
	3500K	96.1	92.6	101.2	73

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Fixture Type \_\_\_\_\_  
 Project Name \_\_\_\_\_  
 Location \_\_\_\_\_



# Wattage Details

## Uniform Color Tuning

### 1 AND 2-STEP

### 3-STEP

	ft	300 (lm/ft)	600 (lm/ft)
<b>Watts</b>	1 ft	3.5	7.1
	2 ft	7.1	14.2
	3 ft	10.6	21.2
	4 ft	14.2	28.2
	5 ft	17.6	35.1
	6 ft	21.1	41.8
	7 ft	24.6	48.6
	8 ft	28.0	55.1
	9 ft	31.4	61.6
	10 ft	34.8	67.9
	11 ft	38.1	74.1
	12 ft	41.4	80.1
	13 ft	44.7	86.1
	14 ft	47.9	91.8
	15 ft	51.1	-
	16 ft	54.2	-
	17 ft	57.3	-
	18 ft	60.4	-
	19 ft	63.4	-
	20 ft	66.3	-
	21 ft	69.2	-
	22 ft	72.0	-
	23 ft	74.8	-
	24 ft	77.5	-
	25 ft	80.2	-
	26 ft	82.8	-
	27 ft	85.4	-
	28 ft	87.9	-
	29 ft	90.3	-
	30 ft	92.6	-
	31 ft	94.9	-
	32 ft	-	-
	33 ft	-	-
	34 ft	-	-
	35 ft	-	-

	ft	300 (lm/ft)	600 (lm/ft)
<b>Watts</b>	1 ft	3.3	6.7
	2 ft	6.6	13.2
	3 ft	9.8	19.4
	4 ft	12.9	25.5
	5 ft	16	31.4
	6 ft	19.1	37.1
	7 ft	22.1	42.5
	8 ft	25	47.8
	9 ft	27.9	52.9
	10 ft	30.7	57.7
	11 ft	33.5	62.4
	12 ft	36.2	66.8
	13 ft	38.8	71.1
	14 ft	41.4	75.1
	15 ft	43.9	79
	16 ft	46.4	82.6
	17 ft	48.8	86
	18 ft	51.2	89.3
	19 ft	53.5	92.3
	20 ft	55.8	-
	21 ft	58	-
	22 ft	60.1	-
	23 ft	62.2	-
	24 ft	64.3	-
	25 ft	66.2	-
	26 ft	68.2	-
	27 ft	70	-
	28 ft	71.8	-
	29 ft	73.6	-
	30 ft	75.3	-
	31 ft	77	-
	32 ft	78.5	-
	33 ft	80.1	-
	34 ft	81.5	-
	35 ft	83	-

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Fixture Type \_\_\_\_\_  
 Project Name \_\_\_\_\_  
 Location \_\_\_\_\_



# Factory-Made Leads and Connectors

## Uniform Series

Pre-soldered factory-assembled leads and connectors for standard LED Linear.  
(Can be shipped loose/unsoldered upon request)

### Product Code Builder

Example: FML-2C-2

**SERIES** **CONDUCTORS<sup>2</sup>** **LENGTH<sup>1</sup>**

**FML** Factory-Made Lead

<b>2C</b>	2 Conductor
<b>3C</b>	3 Conductor
<b>4C</b>	4 Conductor
<b>5C</b>	5 Conductor
<b>6C</b>	6 Conductor

<b>2</b>	2ft (24.0in)
<b>6</b>	6ft (72.0in)
<b>12</b>	12ft (144.0in)
<b>20</b>	20ft (240.0in)

72" Standard Length (or specify custom length)

**SERIES** **CONDUCTORS<sup>2</sup>** **LENGTH<sup>1</sup>**

**FMC** Factory-Made Connectors

<b>2C</b>	2 Conductor
<b>3C</b>	3 Conductor
<b>4C</b>	4 Conductor
<b>5C</b>	5 Conductor
<b>6C</b>	6 Conductor

<b>3I</b>	3in (76.2mm)
<b>6I</b>	6in (152.4mm)
<b>12I</b>	12in (304.8mm)

3" Standard Length (or specify custom length)

**SERIES** **CONDUCTORS<sup>2</sup>** **CONNECTOR** **LENGTH<sup>1</sup>** **I/O**

**FML** Lead with DC Plug

**2C** 2 Conductor

**DC** 2.1mm ID DC Barrel

<b>1</b>	1ft (12.0in)
<b>6</b>	6ft (72.0in)
<b>20</b>	20ft (240.0in)

<b>M</b>	Male (Input)
<b>F</b>	Female (Output)

72" Standard Length (or specify custom length)

### CONDUCTORS EXPLAINED:

# of Conductors	Illumination Family	Channels	Guage	Diameter
2	Single Color (Static White)	1	20AWG	4.5mm
3	CCT, TX (Color Tuning and Pixel)	2	20AWG	4mm
4	RGB	3	20AWG	4mm
5	RGB/W	4	20AWG	4mm
6	RGB/CT	5	20AWG	4mm

<sup>1</sup>Consult Kelvix for custom lengths

<sup>2</sup>Lead and connector conductors will match LED Linear conductors. Options shown for ease.

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Fixture Type \_\_\_\_\_

Project Name \_\_\_\_\_

Location \_\_\_\_\_