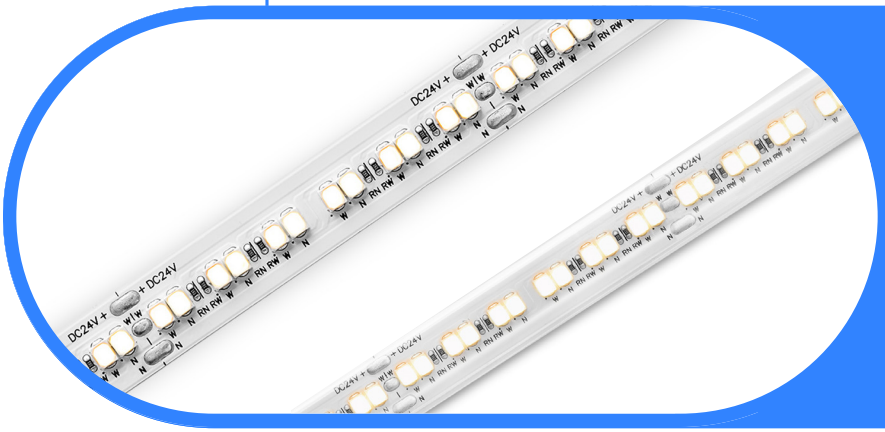
Complete Specification Sheet

Uniform Color Tuning

LINEAR LED



Uniform Color Tuning

Color Tuning Flexible Linear

Specifications

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

Features

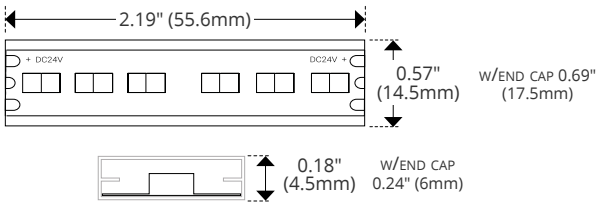
- Uses U2835 Diodes
- Create a Custom Fixture with Kelvix Channels
- 5-Year Warranty
- UL-Listed
- IP20 Indoor and IP67 Outdoor
- 3M™ Industrial Adhesive Backing
- For Use with 24V Power Supplies
- Dimmable Using Kelvix Power Supplies
- Offered 1-step, 2-step, and 3-step SDCM

Description

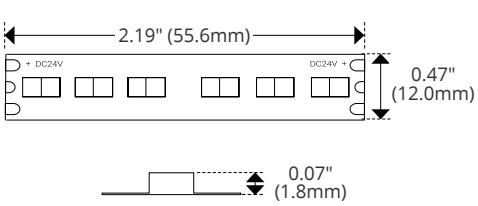
Our Uniform series provides single bin color consistency across every single output option. Uniform Color Tuning allows you to dial in an exact CCT from 1800K-3500K.

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

LINEAR LED

Product Code Builder

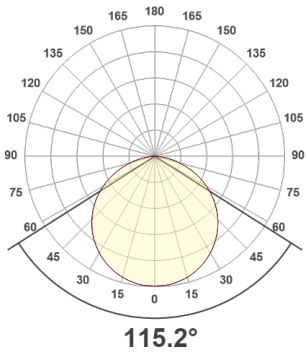
Example: UNI1-CT-O-300-1835K-24V-NA

SERIES	FAMILY	LOCATION	OUTPUT	CCT	VOLTAGE
	CT			1835K	24V
UNI1 — 1-Step	Color Tuning	I — Indoor	300 — 300 lm/ft	1800K - 3500K	24V DC
UNI2 — 2-Step		O — Outdoor	600 — 600 lm/ft		
UNI3 — 3-Step					

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)
1800K Indoor	132	255	129	252	104	208
3500K Indoor	222	430	215	421	184	370
Efficacy (lm/W) Indoor	102	96	100	95	102	98
1800K Outdoor	113	197	115	202	99	184
3500K Outdoor	190	335	169	298	173	324
Efficacy (lm/W) Outdoor	88	76	83	71	97	86
All On (lm/ft)	348	665	339	654	287	568
Wattage (per ft)	3.4	6.9	3.4	6.9	2.8	5.8

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

	ft	300 (lm/ft)	600 (lm/ft)
Watts	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	-	-

3-STEP

	ft	300 (lm/ft)	600 (lm/ft)
Watts	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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Conforms to ANSI/UL Standard 2108
Certified to CAN/CSA Standard C22.2 No. 250.2

Fixture Type _____

Project Name _____

Location _____

Factory-Made Leads and Connectors

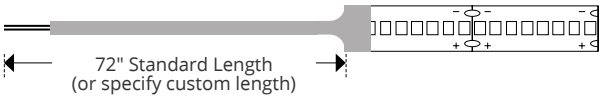
Uniform Series

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

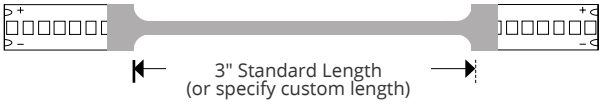
Product Code Builder

Example: FML-2C-2

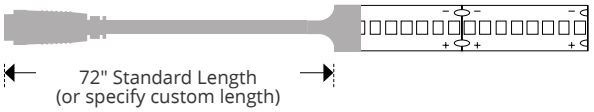
SERIES	CONDUCTORS[2]		LENGTH[1]	
FML				
Factory-Made Lead	2C	2 Conductor	2	2ft (24.0in)
	3C	3 Conductor	6	6ft (72.0in)
	4C	4 Conductor	12	12ft (144.0in)
	5C	5 Conductor	20	20ft (240.0in)
	6C	6 Conductor		



SERIES	CONDUCTORS[2]		LENGTH[1]	
FMC				
Factory-Made Connectors	2C	2 Conductor	3I	3in (76.2mm)
	3C	3 Conductor	6I	6in (152.4mm)
	4C	4 Conductor	12I	12in (304.8mm)
	5C	5 Conductor		
	6C	6 Conductor		



SERIES	CONDUCTORS[2]	CONNECTOR	LENGTH[1]		I/O	
FML						
Lead with DC Plug	2 Conductor	2.1mm ID DC Barrel	1	1ft (12.0in)	M	Male (Input)
			6	6ft (72.0in)	F	Female (Output)
			20	20ft (240.0in)		



CONDUCTORS EXPLAINED:

# of Conductors	Illumination Family	Channels	Gauge	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

1Consult Kelvix for custom lengths
2Lead and connector conductors will match LED Linear conductors. Options shown for ease.

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Fixture Type _____

Project Name _____

Location _____