



# Complete Specification Sheet

## Uniform Dim to Warm



# Uniform Dim to Warm

Dim to Warm Flexible Linear



### Specifications

<b>Category</b>	Flexible Linear
<b>Series</b>	Uniform
<b>Family</b>	Dim to Warm
<b>Diode</b>	2835
<b>Diode Pitch</b>	51 LED/ft
<b>CRI</b>	92-98
<b>CCT Options</b>	1800K - 3000K
<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>	0.47in (12mm)
<b>Height w/ Outdoor Jacket</b>	0.07in (1.8mm)
<b>Max Run Length</b>	16.4ft (5m)
<b>Cut Intervals</b>	2.81in (71.4mm)
<b>Beam Angle</b>	120°
<b>Lumens per Foot</b>	85-701 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

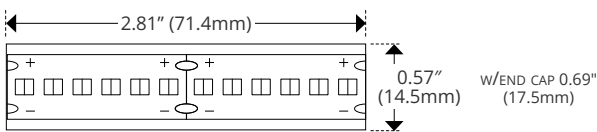
- Uses U2835 Diodes
- Create a Custom Fixture with Kelvix Channels
- 5-Year Warranty
- UL-Listed
- IP20 Indoor and IP67 Outdoor
- 3M™ Industrial Adhesive Backing
- For Use with 24V Power Supplies
- Dimmable Using Kelvix Power Supplies
- Offered 1-step, 2-step, and 3-step SDCM

### Description

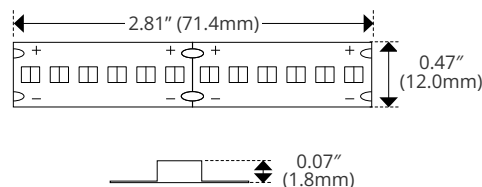
Our Uniform series provides single bin color consistency across every single output option. Uniform Dim to Warm replicates a incandescent dimming curve by shifting to a warmer CCT at its low levels.

### 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 \_\_\_\_\_

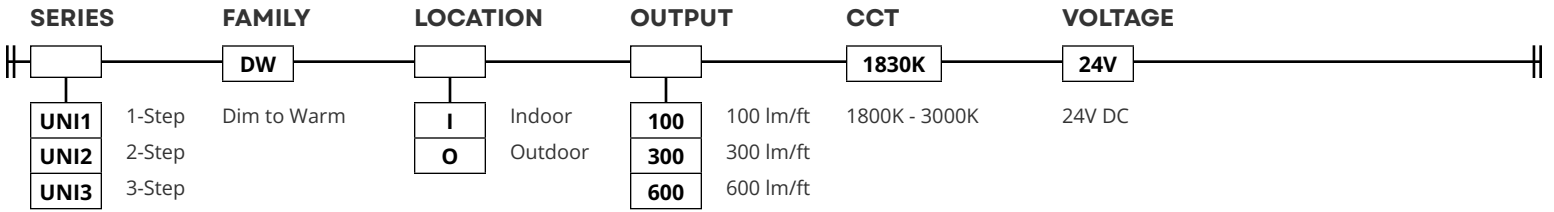


# Product Code Builder

## Uniform Dim to Warm Indoor

### Product Code Builder

Example: UNI1-DW-I-100-1830K-24V-NA

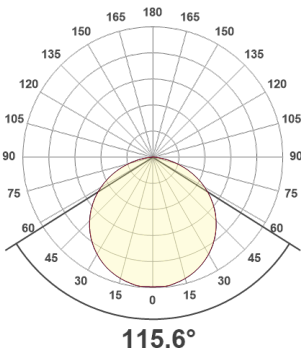


### OUTPUT AND CCT

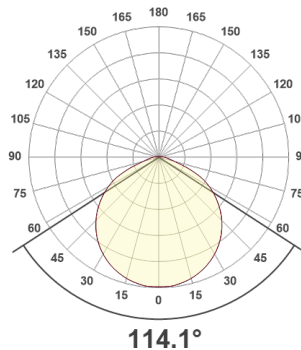
Output	1-Step			2-Step			3-Step		
	100 (lm/ft)	300 (lm/ft)	600 (lm/ft)	100 (lm/ft)	300 (lm/ft)	600 (lm/ft)	100 (lm/ft)	300 (lm/ft)	600 (lm/ft)
<b>Lumens (per ft) Indoor</b>	134	356	651	136	354	653	85	360	701
<b>Efficacy (lm/W) Indoor</b>	80	92	90	81	91	90	61	112	123
<b>Lumens (per ft) Outdoor</b>	66	282	527	65	278	526	80	341	635
<b>Efficacy (lm/W) Outdoor</b>	39	73	73	39	72	73	57	107	111
<b>Wattage (per ft)</b>	1.7	3.9	7.3	1.7	3.9	7.3	1.4	3.2	5.7
<b>Max Run Length (ft)</b>	44	27	14	44	27	14	47	30	20
<b>CRI @ 3000K Indoor</b>	97	97	98	96	97	97	92	93	94
<b>Rf @ 3000K Indoor</b>	95	95	95	95	95	95	92	93	93
<b>Rg @ 3000K Indoor</b>	103	103	103	102	102	102	103	103	103
<b>R9 @ 3000K Indoor</b>	94	97	98	93	97	98	96	90	87
<b>CRI @ 3000K Outdoor</b>	97	97	97	96	97	97	92	93	94
<b>Rf @ 3000K Outdoor</b>	95	96	96	94	95	95	92	93	93
<b>Rg @ 3000K Outdoor</b>	103	103	103	102	102	102	103	103	121
<b>R9 @ 3000K Outdoor</b>	94	96	99	90	94	97	89	90	84

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

### POLAR PLOT @ 3000K INDOOR



### POLAR PLOT @ 3000K OUTDOOR



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

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

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

Location \_\_\_\_\_



# Wattage Details

## Uniform Dim to Warm

### 1 AND 2-STEP

### 3-STEP

	ft	100 (lm/ft)	300 (lm/ft)	600 (lm/ft)
Watts	1 ft	1.8	4.3	7.6
	2 ft	3.6	8.6	15.0
	3 ft	5.4	12.7	22.5
	4 ft	7.1	16.8	29.9
	5 ft	8.9	21.0	37.1
	6 ft	10.6	25.0	44.3
	7 ft	12.3	28.8	51.2
	8 ft	14.1	32.6	58.2
	9 ft	15.8	36.0	64.8
	10 ft	17.5	39.2	71.3
	11 ft	19.2	43.1	77.6
	12 ft	20.9	46.6	83.8
	13 ft	22.6	50.4	89.6
	14 ft	24.0	53.8	95.4
	15 ft	25.6	57.6	-
	16 ft	27.3	60.8	-
	17 ft	28.9	64.6	-
	18 ft	30.6	67.7	-
	19 ft	32.2	70.7	-
	20 ft	33.8	74.4	-
	21 ft	35.4	77.3	-
	22 ft	36.9	80.1	-
	23 ft	38.5	83.7	-
	24 ft	40.0	86.4	-
	25 ft	41.5	89.0	-
	26 ft	43.1	91.5	-
	27 ft	44.5	94.0	-
	28 ft	46.0	-	-
	29 ft	47.5	-	-
	30 ft	48.9	-	-
	31 ft	50.3	-	-
	32 ft	51.7	-	-
	33 ft	53.1	-	-
	34 ft	54.5	-	-
	35 ft	55.8	-	-
	36 ft	57.1	-	-
	37 ft	58.4	-	-
	38 ft	59.7	-	-
	39 ft	61.0	-	-
	40 ft	62.2	-	-
	41 ft	63.4	-	-
	42 ft	64.6	-	-
	43 ft	65.8	-	-
	44 ft	67.0	-	-
	45 ft	-	-	-
	46 ft	-	-	-
	47 ft	-	-	-

	ft	100 (lm/ft)	300 (lm/ft)	600 (lm/ft)
Watts	1 ft	1.6	3.7	6.6
	2 ft	3.2	7.4	13
	3 ft	4.6	11	19.3
	4 ft	6.1	14.5	25.3
	5 ft	7.8	17.9	31.1
	6 ft	9.3	21.3	36.7
	7 ft	10.8	24.6	42.1
	8 ft	12.3	27.9	47.3
	9 ft	13.8	31	52.4
	10 ft	15.2	34.1	57.2
	11 ft	16.6	37.1	61.8
	12 ft	18.1	40.1	66.2
	13 ft	19.5	42.9	70.4
	14 ft	20.9	45.7	74.4
	15 ft	22.3	48.5	78.2
	16 ft	23.7	51.1	81.8
	17 ft	25	53.7	85.3
	18 ft	26.3	56.2	88.5
	19 ft	27.6	58.7	91.5
	20 ft	29	61.1	94.3
	21 ft	30.3	63.4	-
	22 ft	31.5	65.6	-
	23 ft	32.8	67.8	-
	24 ft	34	69.8	-
	25 ft	35.3	71.9	-
	26 ft	36.5	73.8	-
	27 ft	37.7	75.7	-
	28 ft	38.8	77.5	-
	29 ft	40	79.2	-
	30 ft	41.2	80.9	-
	31 ft	42.3	-	-
	32 ft	43.4	-	-
	33 ft	44.5	-	-
	34 ft	45.6	-	-
	35 ft	46.7	-	-
	36 ft	47.7	-	-
	37 ft	48.8	-	-
	38 ft	49.8	-	-
	39 ft	50.8	-	-
	40 ft	51.8	-	-
	41 ft	52.8	-	-
	42 ft	53.8	-	-
	43 ft	54.7	-	-
	44 ft	55.7	-	-
	45 ft	56.6	-	-
	46 ft	57.5	-	-
	47 ft	58.4	-	-

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 \_\_\_\_\_



# 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>2</b>	2ft (24.0in)
<b>3C</b>	3 Conductor	<b>6</b>	6ft (72.0in)
<b>4C</b>	4 Conductor	<b>12</b>	12ft (144.0in)
<b>5C</b>	5 Conductor	<b>20</b>	20ft (240.0in)
<b>6C</b>	6 Conductor		

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>3I</b>	3in (76.2mm)
<b>3C</b>	3 Conductor	<b>6I</b>	6in (152.4mm)
<b>4C</b>	4 Conductor	<b>12I</b>	12in (304.8mm)
<b>5C</b>	5 Conductor		
<b>6C</b>	6 Conductor		

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>M</b>	Male (Input)
<b>6</b>	6ft (72.0in)	<b>F</b>	Female (Output)
<b>20</b>	20ft (240.0in)		

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 \_\_\_\_\_