Complete Specification Sheet

Uniform Dim to Warm

LINEAR LED



Uniform Dim to Warm

Dim to Warm Flexible Linear

Supports TITLE 24 JA8-2016 Compliance | RoHS COMPLIANT | c UL us LISTED | 24V DC | Dry Rated | Wet Rated

Specifications

Category	Flexible Linear
Series	Uniform
Family	Dim to Warm
Diode	2835
Diode Pitch	51 LED/ft
CRI	92-98
CCT Options	1800K - 3000K
Input Voltage	24V DC
Width	0.47in (12mm)
Height	0.07in (1.8mm)
Width w/ Outdoor Jacket	0.47in (12mm)
Height w/ Outdoor Jacket	0.07in (1.8mm)
Max Run Length	16.4ft (5m)
Cut Intervals	2.81in (71.4mm)
Beam Angle	120°
Lumens per Foot	85-701 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

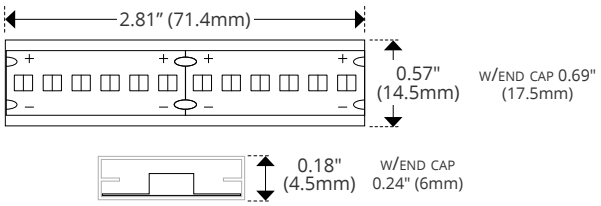
- Uses U2835 Diodes
- Create a Custom Fixture with Kelvix Channels
- 5-Year Warranty
- UL-Listed
- IP20 Indoor and IP67 Outdoor
- 3M™ Industrial Adhesive Backing
- For Use with 24V Power Supplies
- Dimmable Using Kelvix Power Supplies
- Offered 1-step, 2-step, and 3-step SDCM

Description

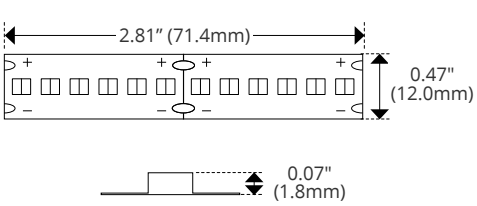
Our Uniform series provides single bin color consistency across every single output option. Uniform Dim to Warm replicates a incandescent dimming curve by shifting to a warmer CCT at its low levels.

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

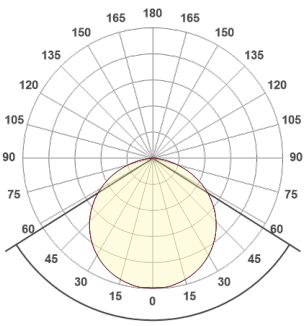
SERIES	FAMILY	LOCATION	OUTPUT	CCT	VOLTAGE
	DW			1830K	24V
UNI1 — 1-Step	Dim to Warm	I — Indoor	100 — 100 lm/ft	1800K - 3000K	24V DC
UNI2 — 2-Step		O — Outdoor	300 — 300 lm/ft		
UNI3 — 3-Step			600 — 600 lm/ft		

OUTPUT AND CCT

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

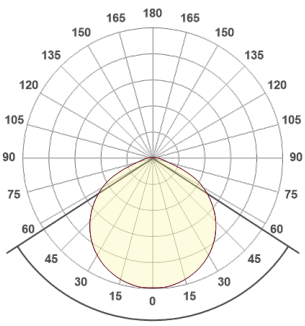
Power consumption based on average wattage per foot. Refer to Power Chart on next page(s) for details.

POLAR PLOT @ 3000K INDOOR



115.6°

POLAR PLOT @ 3000K OUTDOOR



114.1°

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Fixture Type _____

Project Name _____

Location _____

Wattage Details

Uniform Dim to Warm

1 AND 2-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	-	-	-

3-STEP

	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	-	-

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Fixture Type _____

Project Name _____

Location _____

Factory-Made Leads and Connectors

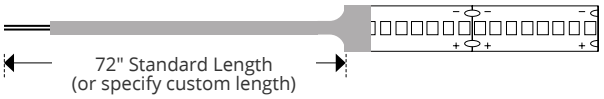
Uniform Series

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

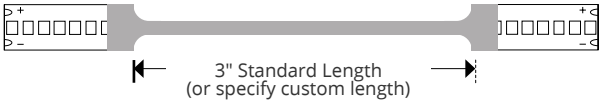
Product Code Builder

Example: FML-2C-2

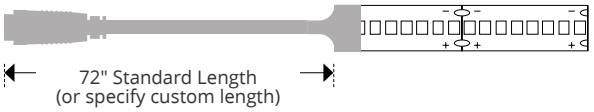
SERIES	CONDUCTORS[2]		LENGTH[1]	
FML				
Factory-Made Lead	2C	2 Conductor	2	2ft (24.0in)
	3C	3 Conductor	6	6ft (72.0in)
	4C	4 Conductor	12	12ft (144.0in)
	5C	5 Conductor	20	20ft (240.0in)
	6C	6 Conductor		



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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