



Complete Specification Sheet

Uniform Thin Line



Uniform Thin Line

Extra Thin Flexible Linear



Specifications

Category	Flexible Linear
Series	Uniform Thin Line
Family	Static White
CRI	90-97
CCT Options	1800K - 6500K
Input Voltage	24V DC
Width	0.20in (5.0mm)
Height	0.07in (1.8mm)
Width w/ Outdoor Jacket	0.32in (8.1mm)
Height w/ Outdoor Jacket	0.16in (4.0mm)
Width w/ End Cap	0.40in (10.2mm)
Height w/ End Cap	0.22in (5.5mm)
Cut Intervals	1.41in (35.7mm)
Beam Angle	120°
Lumens per Foot	97-404 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

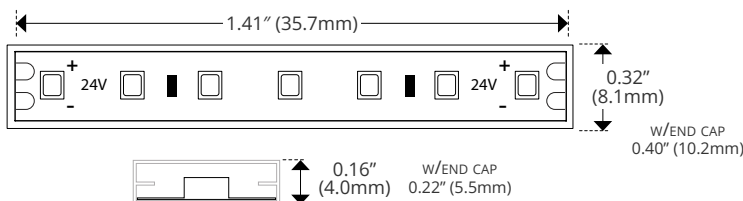
- Uses U2835 Diodes
- Create a Custom Fixture with Kelvix Channels
- 5-Year Warranty
- UL-Listed
- 3M™ Industrial Adhesive Backing
- For Use with 24V Power Supplies
- Dimmable Using Kelvix Power Supplies
- Offered 1-Step, 2-Step, and 3-Step SDCM

Description

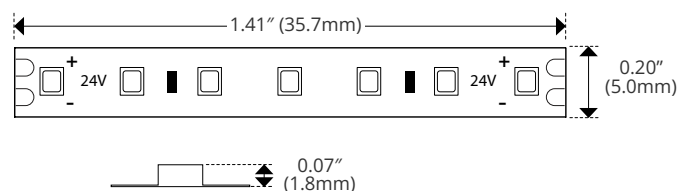
Our Uniform series provides single bin color consistency across every single output option. Uniform Thin Line provides a solution for projects with exceptionally small dimensional requirements.

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 _____

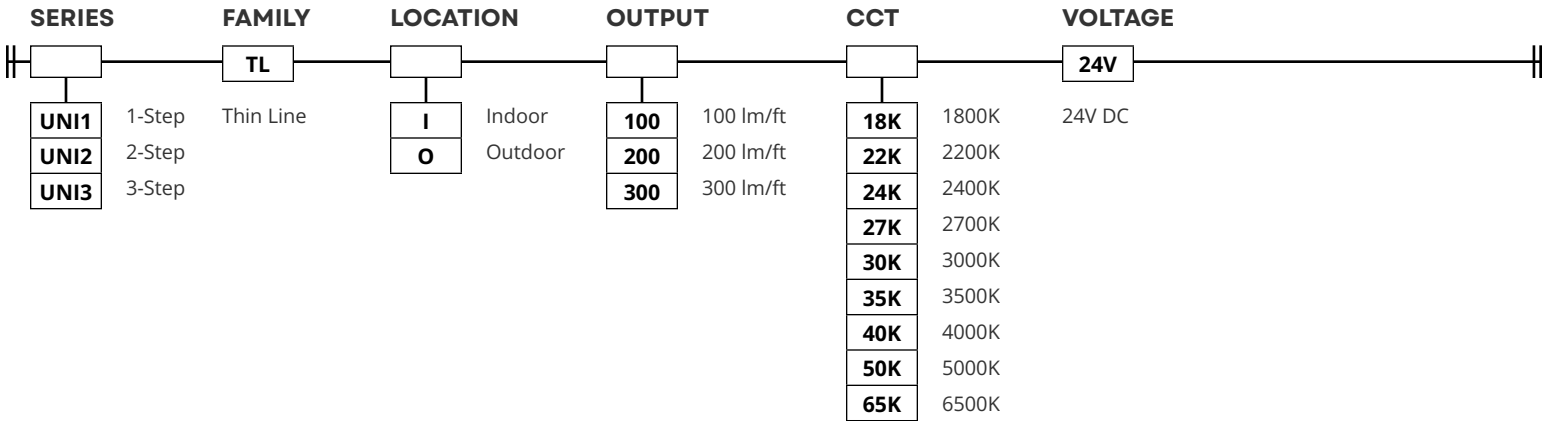


Product Code Builder

Uniform Thin Line

Product Code Builder

Example: UNI1-TL-I-300-18K-24V-NA



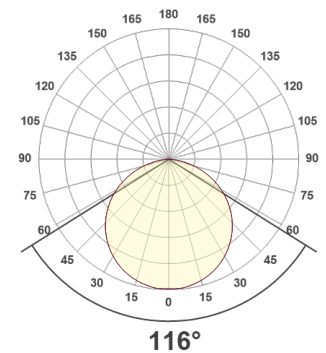
OUTPUT AND CCT

	1-Step	2-Step	3-Step
Indoor	300 (lm/ft)	300 (lm/ft)	300 (lm/ft)
1800K	298	305	281
2200K	324	331	306
2400K	335	342	316
2700K	347	355	328
3000K	358	366	338
3500K	369	377	348
4000K	375	384	354
5000K	380	389	359
6500K	395	404	373

	1-Step	2-Step	3-Step
Wattage (per ft)	3.4	3.4	2.8
Efficacy (lm/W)	97	101	115
Max Run Length (ft)	17	17	21

	1-Step	2-Step	3-Step
Outdoor	300 (lm/ft)	300 (lm/ft)	300 (lm/ft)
1800K	208	216	203
2200K	255	264	248
2400K	255	265	249
2700K	266	276	259
3000K	329	342	321
3500K	345	358	336
4000K	310	322	302
5000K	299	311	292
6500K	309	321	301

POLAR PLOT



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

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Location _____



Lumen and Power Details

Uniform Thin Line

Indoor	1-Step			2-Step			3-Step		
	100 (lm/ft)	200 (lm/ft)	300 (lm/ft)	100 (lm/ft)	200 (lm/ft)	300 (lm/ft)	100 (lm/ft)	200 (lm/ft)	300 (lm/ft)
1800K	97	188	298	99	191	305	99	176	281
2200K	105	204	324	107	207	331	107	190	306
2400K	108	211	335	111	214	342	111	197	316
2700K	113	220	347	116	223	355	115	205	328
3000K	116	227	358	119	229	366	119	211	338
3500K	120	233	369	123	236	377	122	217	348
4000K	122	237	375	125	240	384	125	221	354
5000K	123	240	380	126	243	389	126	224	359
6500K	128	250	395	131	253	404	131	233	373

Outdoor	1-Step			2-Step			3-Step		
	100 (lm/ft)	200 (lm/ft)	300 (lm/ft)	100 (lm/ft)	200 (lm/ft)	300 (lm/ft)	100 (lm/ft)	200 (lm/ft)	300 (lm/ft)
1800K	62	130	208	65	136	216	68	132	203
2200K	76	159	255	80	166	264	84	161	248
2400K	77	160	255	80	167	265	84	162	249
2700K	80	166	266	83	174	276	87	168	259
3000K	99	206	329	103	215	342	108	208	321
3500K	103	216	345	108	225	358	113	218	336
4000K	93	194	310	97	203	322	102	196	302
5000K	90	187	299	94	196	311	98	189	292
6500K	93	198	309	97	202	321	101	195	301

	1-Step			2-Step			3-Step		
	100 (lm/ft)	200 (lm/ft)	300 (lm/ft)	100 (lm/ft)	200 (lm/ft)	300 (lm/ft)	100 (lm/ft)	200 (lm/ft)	300 (lm/ft)
Wattage (per ft)	1.1	2.1	3.4	1.1	2.1	3.4	0.9	1.9	2.8
Efficacy (lm/W)	90	98	97	94	103	101	120	110	115
Max Run Length (ft)	37	22	17	37	22	17	24	24	21

@ 30K Indoor		CRI	Rf	Rg	R9
1-Step	100 lm/ft	96	94	102	95
	200 lm/ft	97	94	102	96
	300 lm/ft	97	94	102	97
2-Step	100 lm/ft	96	94	102	96
	200 lm/ft	96	94	102	96
	300 lm/ft	97	94	102	98
3-Step	100 lm/ft	95	91	99	77
	200 lm/ft	93	91	99	89
	300 lm/ft	93	91	100	88

@ 30K Outdoor		CRI	Rf	Rg	R9
1-Step	100 lm/ft	97	94	102	96
	200 lm/ft	97	94	102	97
	300 lm/ft	97	94	102	98
2-Step	100 lm/ft	97	95	102	98
	200 lm/ft	97	95	102	98
	300 lm/ft	97	95	102	97
3-Step	100 lm/ft	93	90	99	87
	200 lm/ft	95	91	98	74
	300 lm/ft	94	90	98	85

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Wattage Details

Uniform Thin Line

1 AND 2-STEP

3-STEP

	ft	100 (lm/ft)	200 (lm/ft)	300 (lm/ft)
Watts	1 ft	1.1	2.2	3.6
	2 ft	2.3	4.4	6.8
	3 ft	3.5	6.6	10.2
	4 ft	4.6	8.9	13.6
	5 ft	5.8	11.0	17.2
	6 ft	6.9	13.2	20.6
	7 ft	8.0	15.4	24.6
	8 ft	9.2	17.5	27.9
	9 ft	10.3	19.6	31.1
	10 ft	11.4	21.6	34.2
	11 ft	12.5	23.7	37.4
	12 ft	13.6	25.7	40.3
	13 ft	14.7	27.6	43.2
	14 ft	15.8	29.5	46.0
	15 ft	16.8	31.4	48.6
	16 ft	17.9	33.2	51.2
	17 ft	18.9	35.0	53.7
	18 ft	19.9	36.7	-
	19 ft	21.0	38.4	-
	20 ft	21.9	40.0	-
	21 ft	22.9	41.6	-
	22 ft	23.9	43.2	-
	23 ft	24.8	-	-
	24 ft	25.8	-	-
	25 ft	26.7	-	-
	26 ft	27.6	-	-
	27 ft	28.4	-	-
	28 ft	29.3	-	-
	29 ft	30.1	-	-
	30 ft	31.0	-	-
	31 ft	31.8	-	-
	32 ft	32.6	-	-
	33 ft	33.3	-	-
	34 ft	34.1	-	-
	35 ft	34.8	-	-
	36 ft	35.5	-	-
	37 ft	36.2	-	-

	ft	100 (lm/ft)	200 (lm/ft)	300 (lm/ft)
Watts	1 ft	0.9	2	3
	2 ft	1.9	4.1	6.1
	3 ft	2.9	6.1	9.1
	4 ft	3.9	8.1	12.1
	5 ft	4.8	10.1	14.9
	6 ft	5.7	12	17.7
	7 ft	6.7	14	20.5
	8 ft	7.6	15.8	22.9
	9 ft	8.6	17.7	25.5
	10 ft	9.4	19.4	28
	11 ft	10.4	21.2	30.6
	12 ft	11.3	22.9	32.8
	13 ft	12.3	24.6	35.1
	14 ft	12.9	26.1	37.2
	15 ft	14	27.8	39.4
	16 ft	14.5	29.3	41.2
	17 ft	15.7	30.7	43.2
	18 ft	16.3	32.1	45.1
	19 ft	17.1	33.4	46.7
	20 ft	18.1	34.9	48.4
	21 ft	18.7	36.2	49.9
	22 ft	19.6	37.4	-
	23 ft	20.5	38.5	-
	24 ft	21.2	39.7	-
	25 ft	21.7	-	-
	26 ft	22.2	-	-
	27 ft	23.1	-	-
	28 ft	24	-	-
	29 ft	24.4	-	-
	30 ft	25.3	-	-
	31 ft	25.9	-	-
	32 ft	26.6	-	-
	33 ft	26.9	-	-
	34 ft	27.9	-	-
	35 ft	28	-	-
	36 ft	28.9	-	-
	37 ft	29.5	-	-

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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 **CONDUCTORS²** **LENGTH¹**

FML Factory-Made Lead

2C	2 Conductor
3C	3 Conductor
4C	4 Conductor
5C	5 Conductor
6C	6 Conductor

2	2ft (24.0in)
6	6ft (72.0in)
12	12ft (144.0in)
20	20ft (240.0in)

72" Standard Length (or specify custom length)

SERIES **CONDUCTORS²** **LENGTH¹**

FMC Factory-Made Connectors

2C	2 Conductor
3C	3 Conductor
4C	4 Conductor
5C	5 Conductor
6C	6 Conductor

3I	3in (76.2mm)
6I	6in (152.4mm)
12I	12in (304.8mm)

3" Standard Length (or specify custom length)

SERIES **CONDUCTORS²** **CONNECTOR** **LENGTH¹** **I/O**

FML Lead with DC Plug

2C 2 Conductor

DC 2.1mm ID DC Barrel

1	1ft (12.0in)
6	6ft (72.0in)
20	20ft (240.0in)

M	Male (Input)
F	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

¹Consult Kelvix for custom lengths

²Lead and connector conductors will match LED Linear conductors. Options shown for ease.

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Project Name _____

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