Complete Specification Sheet

Uniform Static White

LINEAR LED



Uniform Static White

White Light Flexible Linear

Specifications

Category	Flexible Linear
Series	Uniform
Family	Static White
Diode	2835
Diode Pitch	73 LED/ft
CRI	90-98
CCT Options	1800K - 6500K
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	46ft (14.0m)
Cut Intervals	1.31in (33.3mm)
Beam Angle	120°
Lumens per Foot	80-1449 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

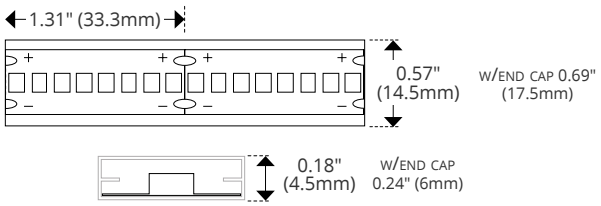
- Uses U2835 Diodes
- Create a Custom Fixture with Kelvix Channels
- 5-Year Warranty
- UL-Listed
- IP20 Indoor and IP67 Outdoor
- 3M™ Industrial Adhesive Backing
- For Use with 24V Power Supplies
- Dimmable Using Kelvix Power Supplies
- Offered 1-step, 2-step, and 3-step SDCM
- Suitable for installation in storage area of a clothes closet up to 3.4W/ft per NEC 410.16(C)

Description

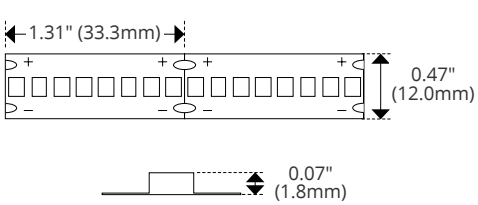
Our Uniform Static White series ensures single-bin color consistency across every output option and eliminates diode imaging when paired with any Kelvix channel.

Dimensions

OUTDOOR



INDOOR



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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 _____

Product Code Builder

Uniform Static White

LINEAR LED

Product Code Builder

Example: UNI1-WL-I-100-18K-24V-NA

SERIES		FAMILY	LOCATION		OUTPUT		CCT		VOLTAGE
		WL							24V
UNI1	1-Step	White Light	I	Indoor	100	100 lm/ft	18K	1800K	24V DC
UNI2	2-Step		O	Outdoor	200	200 lm/ft	22K	2200K	
UNI3	3-Step				300	300 lm/ft	24K	2400K	
					400	400 lm/ft	27K	2700K	
					500	500 lm/ft	30K	3000K	
					750	750 lm/ft	35K	3500K	
					1000	1000 lm/ft	40K	4000K	
					1250	[1]1250 lm/ft	50K	5000K	
					1500	[1]1500 lm/ft	65K	6500K	

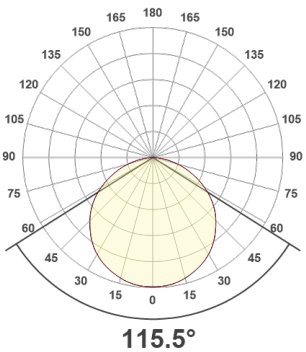
[1]Only available for indoor rated product

OUTPUT AND CCT

	1-Step & 2-Step					3-Step				
	100 (lm/ft)	300 (lm/ft)	750 (lm/ft)	1000 (lm/ft)	1500 (lm/ft)	100 (lm/ft)	300 (lm/ft)	750 (lm/ft)	1000 (lm/ft)	1500 (lm/ft)
3000K Indoor	108	382	839	1066	1613	132	351	838	1077	1653
3000K Outdoor	102	342	770	945	-	96	283	691	922	1373
Wattage (per ft)	0.8	2.5	6.4	8.5	14.4	0.7	2.0	4.4	5.6	8.6
Efficacy Indoor (lm/W)	136	156	132	125	112	144	150	162	173	166
Efficacy Outdoor (lm/W)	130	140	121	111	-	138	144	155	166	159
Max Run Length (ft)	46	29	16	12	7	46	25	17	14	11

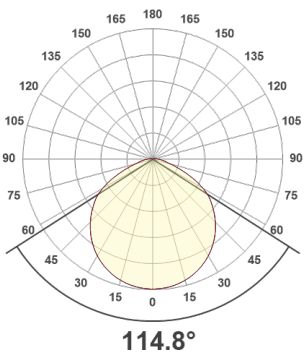
Power consumption based on average wattage per foot. Refer to Power Chart on next page(s) for details.

POLAR PLOT INDOOR



115.5°

POLAR PLOT OUTDOOR



114.8°

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

Fixture Type _____

Project Name _____

Location _____

Lumen and Power Details

Uniform Static White Indoor

LINEAR LED

		100 (lm/ft)	200 (lm/ft)	300 (lm/ft)	400 (lm/ft)	500 (lm/ft)	750 (lm/ft)	1000 (lm/ft)	1250 (lm/ft)	1500 (lm/ft)
1-Step & 2-Step	1800K	76	174	271	357	409	613	778	1000	1178
	2200K	93	211	328	433	495	722	917	1178	1387
	2400K	96	218	340	448	513	764	970	1246	1468
	2700K	99	226	351	463	530	806	1023	1315	1549
	3000K	108	245	382	503	576	839	1066	1369	1613
	3500K	128	292	455	599	685	915	1162	1493	1758
	4000K	114	260	405	534	610	906	1151	1479	1742
	5000K	115	263	409	539	616	923	1172	1506	1774
	6500K	116	265	413	544	622	932	1183	1520	1790
	Wattage (per ft)	0.8	1.7	2.5	3.6	4.0	6.4	8.5	11.6	14.4
	Efficacy (lm/W)	136	144	156	140	145	132	125	118	112
	Max Run Length (ft)	46	36	29	24	20	16	12	9	7

3-Step	1800K	83	147	218	303	347	469	603	791	925
	2200K	117	211	313	436	498	746	958	1257	1471
	2400K	125	226	334	465	532	805	1033	1356	1587
	2700K	131	235	348	485	554	788	1012	1328	1553
	3000K	132	238	351	489	560	838	1077	1413	1653
	3500K	133	240	355	494	565	880	1130	1483	1735
	4000K	137	247	365	509	582	897	1152	1512	1768
	5000K	143	257	379	529	605	913	1173	1540	1801
	6500K	140	252	372	519	593	888	1141	1497	1752
	Wattage (per ft)	0.7	1.3	2.0	2.6	3.4	4.4	5.6	7.2	8.6
	Efficacy (lm/W)	144	147	150	150	140	162	173	164	166
	Max Run Length (ft)	46	30	25	22	19	17	14	11	11

1250 lm/ft		CRI	Rf	Rg	R9
1-Step	1800K	96	94	100	74
	2200K	95	94	104	92
	2400K	96	95	104	93
	2700K	96	95	104	98
	3000K	97	95	103	98
	3500K	97	95	103	98
	4000K	98	95	103	97
	5000K	97	95	104	97
	6500K	97	94	103	97

1250 lm/ft		CRI	Rf	Rg	R9
2-Step	1800K	95	91	105	78
	2200K	96	95	103	92
	2400K	96	95	104	98
	2700K	96	95	104	98
	3000K	97	95	102	98
	3500K	97	95	102	98
	4000K	98	95	103	99
	5000K	97	95	104	97
	6500K	97	94	102	97

1000 lm/ft		CRI	Rf	Rg	R9
3-Step	1800K	93	92	98	64
	2200K	94	92	105	80
	2400K	94	90	106	72
	2700K	94	92	106	94
	3000K	95	93	104	86
	3500K	97	92	100	80
	4000K	98	92	100	91
	5000K	90	90	103	51
	6500K	90	88	101	50

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Fixture Type _____

Project Name _____

Location _____

Lumen and Power Details

Uniform Static White Outdoor

		100 (lm/ft)	200 (lm/ft)	300 (lm/ft)	400 (lm/ft)	500 (lm/ft)	750 (lm/ft)	1000 (lm/ft)	1250 (lm/ft)	1500 (lm/ft)
1-Step & 2-Step	1800K	85	177	284	383	488	678	832	-	-
	2200K	93	194	311	420	535	717	879	-	-
	2400K	95	198	318	430	546	732	899	-	-
	2700K	99	207	332	448	570	752	923	-	-
	3000K	102	213	342	462	588	770	945	-	-
	3500K	106	220	353	476	606	791	970	-	-
	4000K	107	224	359	485	617	803	985	-	-
	5000K	109	227	363	491	624	812	996	-	-
	6500K	113	236	378	510	649	813	997	-	-
	Wattage (per ft)	0.8	1.7	2.5	3.6	4.0	6.4	8.5	-	-
	Efficacy (lm/W)	130	125	140	128	148	121	111	-	-
	Max Run Length (ft)	46	36	29	24	20	16	12	-	-

		100 (lm/ft)	200 (lm/ft)	300 (lm/ft)	400 (lm/ft)	500 (lm/ft)	750 (lm/ft)	1000 (lm/ft)	1250 (lm/ft)	1500 (lm/ft)
3-Step	1800K	80	156	235	311	375	610	812	998	1211
	2200K	87	170	256	339	408	643	858	1054	1278
	2400K	89	175	265	350	421	658	877	1078	1307
	2700K	93	181	276	364	439	676	901	1108	1343
	3000K	96	187	283	374	451	691	922	1133	1373
	3500K	99	193	292	386	466	709	947	1163	1409
	4000K	101	197	297	393	473	721	961	1182	1432
	5000K	102	199	300	397	479	730	972	1195	1449
	6500K	106	206	312	413	498	728	971	1193	1446
	Wattage (per ft)	0.7	1.3	2.0	2.6	3.4	4.4	5.6	7.2	8.6
	Efficacy (lm/W)	138	141	144	144	134	155	166	157	159
	Max Run Length (ft)	46	30	25	22	19	17	14	11	11

		CRI	Rf	Rg	R9
1-Step	300 lm/ft	96.6	94.5	102	96
	1000 lm/ft	96.8	95.4	103	97
2-Step	300 lm/ft	97.4	94.7	102	98
	1000 lm/ft	96.8	95.1	102.2	96
3-Step	300 lm/ft	93.5	90.9	99.2	87
	1000 lm/ft	95.2	92.9	103	84

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Fixture Type _____

Project Name _____

Location _____

Wattage Details

Uniform Static White

LINEAR LED

1 AND 2-STEP

	ft	100 (lm/ft)	200 (lm/ft)	300 (lm/ft)	400 (lm/ft)	500 (lm/ft)	750 (lm/ft)	1000 (lm/ft)	1200 (lm/ft) Indoor only	1500 (lm/ft) Indoor only
Watts	1 ft	0.8	1.8	2.6	3.9	4.2	6.9	9.2	12.3	15.1
	2 ft	1.6	3.7	5.1	7.8	8.5	13.8	18.2	24.5	30.0
	3 ft	2.4	5.5	7.7	11.6	12.7	20.5	27.0	36.2	43.8
	4 ft	3.3	7.4	10.0	15.5	16.7	27.1	35.4	47.8	56.8
	5 ft	4.1	9.2	12.5	19.2	20.8	33.3	43.7	57.8	67.9
	6 ft	4.9	11.0	15.0	22.9	24.7	39.5	51.3	67.4	80.1
	7 ft	5.8	12.8	17.5	26.7	28.6	45.4	58.8	76.3	91.6
	8 ft	6.6	14.5	20.2	30.2	32.4	51.0	65.9	85.2	
	9 ft	7.4	16.3	22.9	33.7	36.0	56.3	72.2	92.9	
	10 ft	8.2	18.0	25.5	37.0	40.1	61.5	78.2		
	11 ft	9.0	19.8	28.0	40.3	43.6	66.5	84.0		
	12 ft	9.8	21.5	30.4	43.5	46.9	71.1	89.0		
	13 ft	10.6	23.1	32.9	46.6	50.2	75.6	-		
	14 ft	11.4	24.8	35.3	49.5	51.7	79.8	-		
	15 ft	12.1	26.4	37.6	52.3	56.1	83.7	-		
	16 ft	12.9	28.0	39.9	55.2	58.9	87.0	-		
	17 ft	13.7	29.5	42.1	57.8	61.7	-	-		
	18 ft	14.4	31.0	44.2	60.4	64.2	-	-		
	19 ft	15.2	32.6	46.3	62.8	66.6	-	-		
	20 ft	15.9	34.0	48.3	65.0	69.2	-	-		
	21 ft	16.7	35.4	50.3	67.3	-	-	-		
	22 ft	17.4	36.8	52.2	69.4	-	-	-		
	23 ft	18.2	38.2	54.0	71.4	-	-	-		
	24 ft	18.9	39.5	55.8	73.4	-	-	-		
	25 ft	19.6	40.8	57.4	-	-	-	-		
	26 ft	20.3	42.1	59.1	-	-	-	-		
	27 ft	21.0	43.3	60.6	-	-	-	-		
	28 ft	21.7	44.5	62.2	-	-	-	-		
	29 ft	22.4	45.7	63.5	-	-	-	-		
	30 ft	23.0	46.8	-	-	-	-	-		
	31 ft	23.6	48.0	-	-	-	-	-		
	32 ft	24.3	49.1	-	-	-	-	-		
	33 ft	24.9	50.1	-	-	-	-	-		
	34 ft	25.6	51.1	-	-	-	-	-		
	35 ft	26.2	52.1	-	-	-	-	-		
	36 ft	26.8	53.1	-	-	-	-	-		
	37 ft	27.4	-	-	-	-	-	-		
	38 ft	28.0	-	-	-	-	-	-		
	39 ft	28.6	-	-	-	-	-	-		
	40 ft	29.2	-	-	-	-	-	-		
	41 ft	29.7	-	-	-	-	-	-		
	42 ft	30.3	-	-	-	-	-	-		
	43 ft	30.8	-	-	-	-	-	-		
	44 ft	31.3	-	-	-	-	-	-		
	45 ft	31.9	-	-	-	-	-	-		
	46 ft	32.4	-	-	-	-	-	-		

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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 _____

Wattage Details

Uniform Static White

LINEAR LED

3-STEP

	ft	100 (lm/ft)	200 (lm/ft)	300 (lm/ft)	400 (lm/ft)	500 (lm/ft)	750 (lm/ft)	1000 (lm/ft)	1250 (lm/ft)	1500 (lm/ft)
Watts	1	0.7	1.5	2.2	3	3.9	5.3	6.7	8.6	10.7
	2	1.5	2.9	4.6	6.1	7.9	10.4	13	16.6	20.5
	3	2.3	4.5	6.7	9	11.7	15.5	19.2	24.1	29.6
	4	3.1	5.9	8.9	11.8	15.4	20.2	25	31.3	38.1
	5	3.8	7.4	11	14.6	18.6	24.6	29.5	37.4	44.8
	6	4.6	8.8	12.9	17.1	21.9	28.5	34.8	43.2	51.6
	7	5.4	10.1	14.9	19.6	24.8	32.6	39.4	48	56.9
	8	6	11.5	16.8	22.1	28	36.2	43.4	52.8	61.5
	9	6.9	12.7	18.7	24.5	31.1	39.7	47.3	57.4	66.3
	10	7.6	14	20.5	26.7	33.8	43.6	51.3	61.1	70.3
	11	8.3	15.2	22.3	29	36.2	46.5	54.5	65.9	74.4
	12	9	16.4	24.1	31.1	38.5	49.3	57.8	-	-
	13	9.7	17.8	25.8	33	40.7	51.4	60.5	-	-
	14	10.3	18.9	27.4	33.4	42.7	53.8	62.9	-	-
	15	11	19.9	28.7	36.8	44.7	56.9	-	-	-
	16	11.8	21.1	30.4	38.7	46.8	59.3	-	-	-
	17	12.4	22.3	31.8	40.2	48.9	61.7	-	-	-
	18	13	23.3	33.4	41.9	50.3	-	-	-	-
	19	13.7	24.3	34.7	43.5	52.1	-	-	-	-
	20	14.2	25.5	35.8	45	-	-	-	-	-
	21	14.9	26.4	36.9	46	-	-	-	-	-
	22	15.4	27.5	37.3	47.6	-	-	-	-	-
	23	16.1	28.3	38	-	-	-	-	-	-
	24	16.6	29.3	39	-	-	-	-	-	-
	25	17.2	30.1	40.3	-	-	-	-	-	-
	26	17.8	30.8	-	-	-	-	-	-	-
	27	18.4	31.6	-	-	-	-	-	-	-
	28	19	32.4	-	-	-	-	-	-	-
	29	19.5	33.4	-	-	-	-	-	-	-
	30	20.1	34.2	-	-	-	-	-	-	-
	31	20.7	-	-	-	-	-	-	-	-
	32	21.1	-	-	-	-	-	-	-	-
	33	21.7	-	-	-	-	-	-	-	-
	34	22.2	-	-	-	-	-	-	-	-
	35	22.7	-	-	-	-	-	-	-	-
	36	23.2	-	-	-	-	-	-	-	-
	37	23.7	-	-	-	-	-	-	-	-
	38	24.2	-	-	-	-	-	-	-	-
	39	24.6	-	-	-	-	-	-	-	-
	40	25.1	-	-	-	-	-	-	-	-
	41	25.5	-	-	-	-	-	-	-	-
	42	26	-	-	-	-	-	-	-	-
	43	26.3	-	-	-	-	-	-	-	-
	44	26.8	-	-	-	-	-	-	-	-
	45	27.2	-	-	-	-	-	-	-	-
	46	27.4	-	-	-	-	-	-	-	-

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Fixture Type _____

Project Name _____

Location _____

Field Leads and Connectors

Uniform Static White Indoor

Only for Uniform Static White Indoor

FIELD CONNECTOR

Corner / Jump Coupler



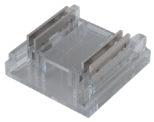
This snap-on connector will connect two pieces of LED together but also provide separation so you can curve around corners or bridge gaps.

Power Coupler



This is an instant snap-on power feed cable.

Straight Coupler



This snap-on coupler quickly connects two runs of tape together.

DETAILS

UNI-WL-I-CC12-3I

Feed Length	2.83in (71.9mm)
Width	0.54in (13.6mm)
Height	0.17in (4.2mm)
Length	0.54in (13.6mm)

Only for Uniform Static White Indoor

UNI-WL-I-WL12-6

Feed Length	2.83in (71.9mm)
Width	0.54in (13.6mm)
Height	0.17in (4.2mm)
Length	0.54in (13.6mm)

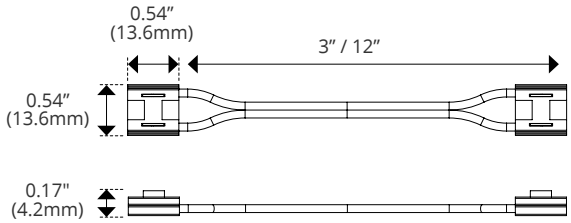
Only for Uniform Static White Indoor

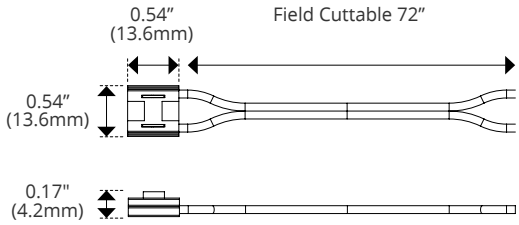
UNI-WL-I-SC12

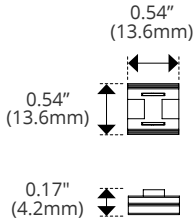
Width	0.54in (13.6mm)
Height	0.17in (4.2mm)
Length	0.54in (13.6mm)

Only for Uniform Static White Indoor

DIMENSIONS







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Fixture Type _____

Project Name _____

Location _____

Factory-Made Leads and Connectors

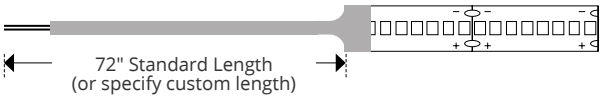
Uniform Series

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

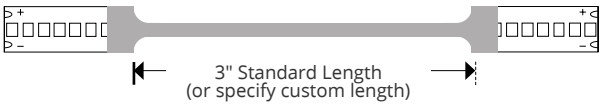
Product Code Builder

Example: FML-2C-2

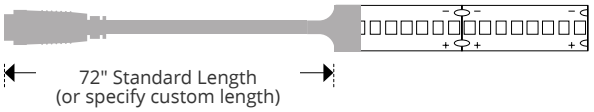
SERIES	CONDUCTORS[2]		LENGTH[1]	
FML				
Factory-Made Lead	2C	2 Conductor	2	2ft (24.0in)
	3C	3 Conductor	6	6ft (72.0in)
	4C	4 Conductor	12	12ft (144.0in)
	5C	5 Conductor	20	20ft (240.0in)
	6C	6 Conductor		



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.

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 _____