

FIXTURE TYPE _____

PROJECT NAME _____

LOCATION _____



Uniform Thin Line (Indoor)

EXTRA THIN INDOOR TAPE



I 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.

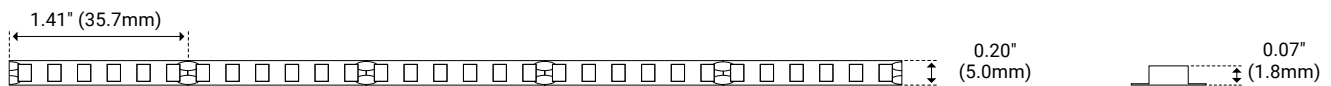
I Features

- Uses U2835 Diode
- 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
- Offering 1-Step, 2-Step, and 3-Step SDCM

I Series Spec

Series	UNI1-TL / UNI2-TL / UNI3-TL
Temp/Colors*	1800K–6500K
Input Voltage	24V DC/Constant Voltage
Beam Spread	120°
CRI	90–97
SDCM	1-Step, 2-Step, and 3-Step
Diode	2835
Diode Pitch	0.23" (5.8mm)
Cut Intervals	1.41" (35.7mm)
Dimensions	0.20" (5.0mm) × 0.07" (1.8mm)
Operating Temp.	-4°F (-20°C) to 140°F (60°C)
Storage Temp.	-4°F (-20°C) to 158°F (70°C)

I Dimensions



* Customizable—Consult Factory
±5% tolerance for all listed data

Conforms to ANSI/UL Standard 2108
Certified to CAN/CSA Standard C22.2 NO. 250.0



I Product Code Builder

Series	Location	Output*	Temp/ Colors*	Voltage	Modification
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Series	Location	Output*	Temp/ Colors*	Voltage	Modification
UNI1-TL – Uniform Thin Line 1-Step UNI2-TL – Uniform Thin Line 2-Step UNI3-TL – Uniform Thin Line 3-Step	I – Indoor	100 – 100 lm/ft 200 – 200 lm/ft 300 – 300 lm/ft	18K – 1800K 22K – 2200K 24K – 2400K 27K – 2700K 30K – 3000K 35K – 3500K 40K – 4000K 50K – 5000K 65K – 6500K	24V – 24V DC	NA – None

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

I Series Data

	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
Wattage ¹ (per ft)	1.1	2.1	3.4	1.1	2.1	3.4	0.9	1.9	2.8
Efficacy (lm/W)	106	108	105	108	109	108	132	111	121
Max Run Length (ft)	37	22	17	37	22	17	37	24	21

* Customizable—Consult Factory

¹Power consumption based on average wattage per foot. Refer to Power Chart on page 5 for details.

±5% tolerance for all listed data

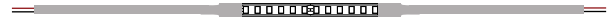


I Power Feed Accessories

Lead



Unit Number	Length*
FML-2C-1	12.00" (305.0mm)
FML-2C-2	24.00" (0.60m)
FML-2C-3	36.00" (0.91m)
FML-2C-6	72.00" (1.82m)
FML-2C-12	144.00" (3.65m)
FML-2C-15	180.00" (4.57m)
FML-2C-20	240.00" (6.09m)

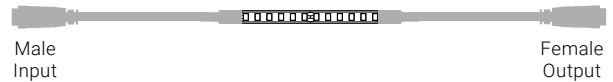


For leads on both input and output, specify 2x FML-xC-xx per run.

Lead with DC Plug



Unit Number	Length*
FML-2C-DC-1-M	12.00" (305.0mm)
FML-2C-DC-1-F	12.00" (305.0mm)
FML-2C-DC-6-M	72.00" (1.82m)
FML-2C-DC-6-F	72.00" (1.82m)
FML-2C-DC-10-M	120.00" (3.04m)
FML-2C-DC-10-F	120.00" (3.04m)



Connector



Unit Number	Length*
FMC-2C-1.5I	1.50" (38.0mm)
FMC-2C-3I	3.00" (76.0mm)
FMC-2C-6I	6.00" (152.0mm)
FMC-2C-9I	9.00" (228.0mm)
FMC-2C-1	12.00" (305.0mm)
FMC-2C-2	24.00" (0.60m)



* Customizable—Consult Factory

¹Power consumption based on average wattage per foot. Refer to Power Chart on page 5 for details.

±5% tolerance for all listed data



I Power Chart

1-Step & 2-Step				
		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	-	-

3-Step				
		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	-	-

±5% tolerance for all listed

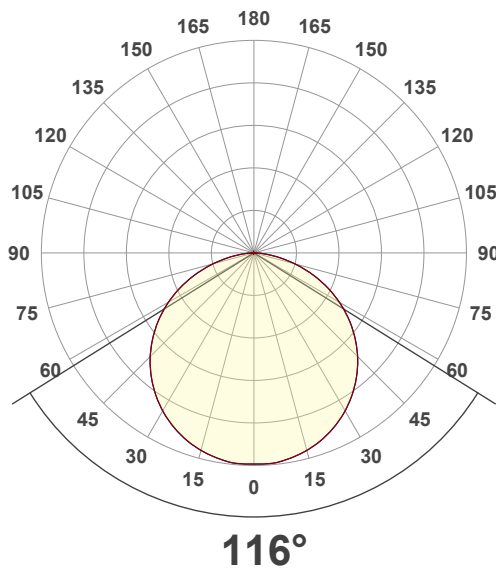


I TM30 Data

@ 30K		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

I Polar Plot

UNI1-TL-I-300-30K



±5% tolerance for all listed data



I Cone of Light

UNI1-TL-I-100-30K / UNI2-TL-I-100-30K

Mtg Height	Light Level	Beam Diameter
1.0 ft	78.9 fc	3.2 ft
2.0 ft	19.7 fc	6.3 ft
3.0 ft	8.8 fc	9.5 ft
4.0 ft	4.9 fc	12.6 ft
5.0 ft	3.2 fc	15.8 ft
6.0 ft	2.2 fc	19.0 ft
7.0 ft	1.6 fc	22.1 ft
8.0 ft	1.2 fc	25.3 ft
9.0 ft	1.0 fc	28.4 ft
10.0 ft	0.8 fc	31.6 ft

UNI1-TL-I-200-30K / UNI2-TL-I-200-30K

Mtg Height	Light Level	Beam Diameter
1.0 ft	151.5 fc	3.2 ft
2.0 ft	37.9 fc	6.4 ft
3.0 ft	16.8 fc	9.6 ft
4.0 ft	9.5 fc	12.9 ft
5.0 ft	6.1 fc	16.1 ft
6.0 ft	4.2 fc	19.3 ft
7.0 ft	3.1 fc	22.5 ft
8.0 ft	2.4 fc	25.7 ft
9.0 ft	1.9 fc	28.9 ft
10.0 ft	1.5 fc	32.1 ft

UNI1-TL-I-300-30K / UNI2-TL-I-300-30K

Mtg Height	Light Level	Beam Diameter
1.0 ft	240.5 fc	3.2 ft
2.0 ft	60.1 fc	6.4 ft
3.0 ft	26.7 fc	9.6 ft
4.0 ft	15.0 fc	12.8 ft
5.0 ft	9.6 fc	16.0 ft
6.0 ft	6.7 fc	19.1 ft
7.0 ft	4.9 fc	22.3 ft
8.0 ft	3.8 fc	25.5 ft
9.0 ft	3.0 fc	28.7 ft
10.0 ft	2.4 fc	31.9 ft

UNI3-TL-I-100-30K

Mtg Height	Light Level	Beam Diameter
1.0 ft	80.0 fc	3.2 ft
2.0 ft	20.0 fc	6.3 ft
3.0 ft	8.9 fc	9.5 ft
4.0 ft	5.0 fc	12.7 ft
5.0 ft	3.2 fc	15.9 ft
6.0 ft	2.2 fc	19.0 ft
7.0 ft	1.6 fc	22.2 ft
8.0 ft	1.2 fc	25.4 ft
9.0 ft	1.0 fc	28.5 ft
10.0 ft	0.8 fc	31.7 ft

UNI3-TL-I-200-30K

Mtg Height	Light Level	Beam Diameter
1.0 ft	143.6 fc	3.1 ft
2.0 ft	35.9 fc	6.2 ft
3.0 ft	16.0 fc	9.3 ft
4.0 ft	9.0 fc	12.5 ft
5.0 ft	5.7 fc	15.6 ft
6.0 ft	4.0 fc	18.7 ft
7.0 ft	2.9 fc	21.8 ft
8.0 ft	2.2 fc	24.9 ft
9.0 ft	1.8 fc	28.0 ft
10.0 ft	1.4 fc	31.2 ft

UNI3-TL-I-300-30K

Mtg Height	Light Level	Beam Diameter
1.0 ft	229.8 fc	3.1 ft
2.0 ft	57.5 fc	6.2 ft
3.0 ft	25.5 fc	9.3 ft
4.0 ft	14.4 fc	12.4 ft
5.0 ft	9.2 fc	15.5 ft
6.0 ft	6.4 fc	18.6 ft
7.0 ft	4.7 fc	21.7 ft
8.0 ft	3.6 fc	24.8 ft
9.0 ft	2.8 fc	27.9 ft
10.0 ft	2.3 fc	31.0 ft

±5% tolerance for all listed data