

FIXTURE TYPE _____

PROJECT NAME _____

LOCATION _____



Uniform ThinLine™ (Outdoor)

EXTRA THIN OUTDOOR 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.

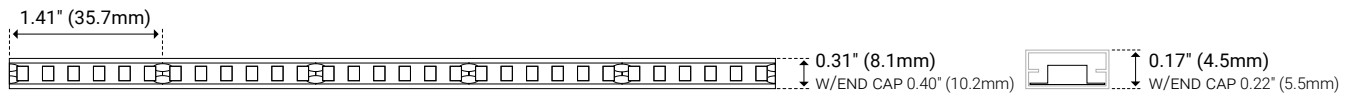
I Features

- Uses U2835 Diode
- Create a Custom Fixture with Kelvix Channels
- 5-Year Warranty
- UL-Listed for Indoor and Outdoor
- 3M™ Industrial Adhesive Backing
- For Use with 24V Power Supplies
- Dimmable Using Kelvix Power Supplies
- IP67
- 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	0.32" (8.1mm) × 0.16" (4.0mm)
Dimensions w/End Caps	0.40" (10.2mm) × 0.22" (5.5mm)
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
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	O – Outdoor	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-O-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	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	193	309	97	202	321	101	195	301
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)	90	98	97	94	103	101	120	110	115
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 4 for details.

±5% tolerance for all listed data

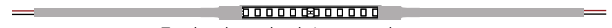


I Power Feed Accessories

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)

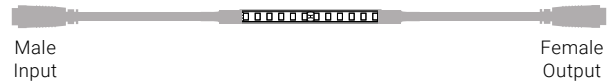


For leads on both input and output, specify 2x FML-xC-xx per run.

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 4 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

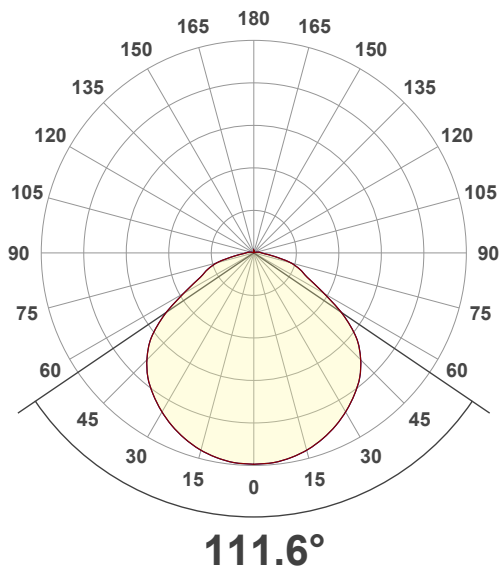


I TM30 Data

@ 30K		CRI	Rf	Rg	R9
1-Step	100 lm/ft	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

I Polar Plot

UNI1-TL-O-300-30K



±5% tolerance for all listed data



I Cone of Light

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

Mtg Height	Light Level	Beam Diameter
1.0 ft	67.8 fc	3.0 ft
2.0 ft	17.0 fc	6.1 ft
3.0 ft	7.5 fc	9.1 ft
4.0 ft	4.2 fc	12.2 ft
5.0 ft	2.7 fc	15.2 ft
6.0 ft	1.9 fc	18.3 ft
7.0 ft	1.4 fc	21.3 ft
8.0 ft	1.1 fc	24.4 ft
9.0 ft	0.8 fc	27.4 ft
10.0 ft	0.7 fc	30.4 ft

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

Mtg Height	Light Level	Beam Diameter
1.0 ft	142.1 fc	3.0 ft
2.0 ft	35.5 fc	6.1 ft
3.0 ft	15.8 fc	9.1 ft
4.0 ft	8.9 fc	12.1 ft
5.0 ft	5.7 fc	15.2 ft
6.0 ft	3.9 fc	18.2 ft
7.0 ft	2.9 fc	21.3 ft
8.0 ft	2.2 fc	24.3 ft
9.0 ft	1.8 fc	27.3 ft
10.0 ft	1.4 fc	30.4 ft

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

Mtg Height	Light Level	Beam Diameter
1.0 ft	226.5 fc	3.1 ft
2.0 ft	56.6 fc	6.1 ft
3.0 ft	25.2 fc	9.2 ft
4.0 ft	14.2 fc	12.2 ft
5.0 ft	9.1 fc	15.3 ft
6.0 ft	6.3 fc	18.4 ft
7.0 ft	4.6 fc	21.4 ft
8.0 ft	3.5 fc	24.5 ft
9.0 ft	2.8 fc	27.5 ft
10.0 ft	2.3 fc	30.6 ft

UNI3-TL-O-100-30K

Mtg Height	Light Level	Beam Diameter
1.0 ft	74.2 fc	3.0 ft
2.0 ft	18.5 fc	5.9 ft
3.0 ft	8.2 fc	8.9 ft
4.0 ft	4.6 fc	11.8 ft
5.0 ft	3.0 fc	14.8 ft
6.0 ft	2.1 fc	17.8 ft
7.0 ft	1.5 fc	20.7 ft
8.0 ft	1.2 fc	23.7 ft
9.0 ft	0.9 fc	26.6 ft
10.0 ft	0.7 fc	29.6 ft

UNI3-TL-O-200-30K

Mtg Height	Light Level	Beam Diameter
1.0 ft	145.0 fc	2.9 ft
2.0 ft	36.3 fc	5.7 ft
3.0 ft	16.1 fc	8.6 ft
4.0 ft	9.1 fc	11.5 ft
5.0 ft	5.8 fc	14.4 ft
6.0 ft	4.0 fc	17.2 ft
7.0 ft	3.0 fc	20.1 ft
8.0 ft	2.3 fc	23.0 ft
9.0 ft	1.8 fc	25.9 ft
10.0 ft	1.5 fc	28.7 ft

UNI3-TL-O-300-30K

Mtg Height	Light Level	Beam Diameter
1.0 ft	225.1 fc	2.9 ft
2.0 ft	56.3 fc	5.9 ft
3.0 ft	25.0 fc	8.8 ft
4.0 ft	14.1 fc	11.7 ft
5.0 ft	9.0 fc	14.6 ft
6.0 ft	6.3 fc	17.6 ft
7.0 ft	4.6 fc	20.5 ft
8.0 ft	3.5 fc	23.4 ft
9.0 ft	2.8 fc	26.3 ft
10.0 ft	2.3 fc	29.3 ft

±5% tolerance for all listed data