

FIXTURE TYPE _____

PROJECT NAME _____

LOCATION _____



Uniform Color Tuning (Outdoor)

COLOR TUNING OUTDOOR TAPE



I Description

Our Uniform series provides single bin color consistency across every single output option. Uniform Color Tuning allows you to dial in an exact CCT from 1800K-3500K.

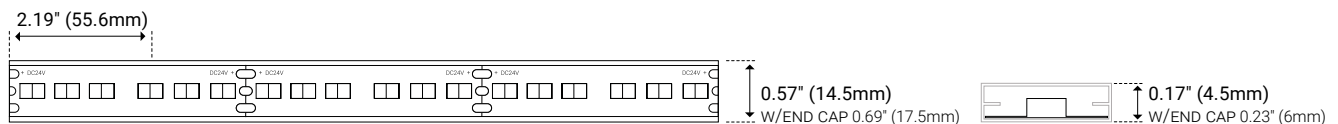
I Features

- 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-CT / UNI2-CT / UNI3-CT
Temp/Colors*	1800K–3500K
Input Voltage	24V DC/Constant Voltage
Beam Spread	120°
CRI	93.3–97.4
SDCM	1-Step, 2-Step, and 3-Step
Diode	2835
Diode Pitch	216 LED/m
Cut Intervals	2.19" (55.6mm)
Dimensions	0.57" (14.5mm) × 0.18" (4.5mm)
Dimensions w/End Caps	0.69" (17.5mm) × 0.24" (6.0mm)
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/ Color*	Voltage	Modification
Series	Location	Output*	Temp/ Colors*	Voltage	Modification
UNI1-CT – Uniform Color Tuning 1-Step UNI2-CT – Uniform Color Tuning 2-Step UNI3-CT – Uniform Color Tuning 3-Step	O – Outdoor	300 – 300 lm/ft 600 – 600 lm/ft	1835K – 1800K– 3500K	24V – 24V DC	NA – None
Example: UNI1-CT-O-300-1835K-24V-NA					

I Series Data

1-Step		
Output (lm/ft)	300 (lm/ft)	600 (lm/ft)
1800K (lm/ft)	113	197
3500K (lm/ft)	190	335
All On (lm/ft)	300	523
Wattage ¹ (per ft)	3.4	6.9
Efficiency (lm/W)	88	76
Max Run Length (ft)	31	14

2-Step		
Output (lm/ft)	300 (lm/ft)	600 (lm/ft)
1800K (lm/ft)	115	202
3500K (lm/ft)	169	298
All On (lm/ft)	282	491
Wattage ¹ (per ft)	3.4	6.9
Efficiency (lm/W)	83	71
Max Run Length (ft)	31	14

3-Step		
Output (lm/ft)	300 (lm/ft)	600 (lm/ft)
1800K (lm/ft)	99	184
3500K (lm/ft)	173	324
All On (lm/ft)	271	496
Wattage ¹ (per ft)	2.8	5.8
Efficiency (lm/W)	97	86
Max Run Length (ft)	35	19

* 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

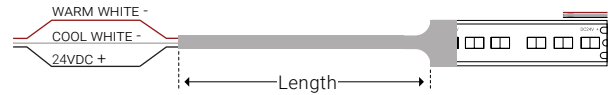


I Power Feed Accessories*

Lead



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

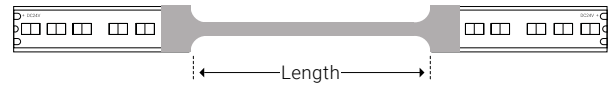


For leads on both input and output, specify 2x FML-3C-xx per run.

Connector



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



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



I Power Chart

1-Step & 2-Step			
		300 (lm/ft)	600 (lm/ft)
Watts	1 ft	3.5	7.1
	2 ft	7.1	14.2
	3 ft	10.6	21.2
	4 ft	14.2	28.2
	5 ft	17.6	35.1
	6 ft	21.1	41.8
	7 ft	24.6	48.6
	8 ft	28.0	55.1
	9 ft	31.4	61.6
	10 ft	34.8	67.9
	11 ft	38.1	74.1
	12 ft	41.4	80.1
	13 ft	44.7	86.1
	14 ft	47.9	91.8
	15 ft	51.1	-
	16 ft	54.2	-
	17 ft	57.3	-
	18 ft	60.4	-
	19 ft	63.4	-
	20 ft	66.3	-
	21 ft	69.2	-
	22 ft	72.0	-
	23 ft	74.8	-
	24 ft	77.5	-
	25 ft	80.2	-
	26 ft	82.8	-
	27 ft	85.4	-
	28 ft	87.9	-
	29 ft	90.3	-
	30 ft	92.6	-
	31 ft	94.9	-
	32 ft	-	-
	33 ft	-	-
	34 ft	-	-
	35 ft	-	-

3-Step			
		300 (lm/ft)	600 (lm/ft)
Watts	1 ft	3.3	6.7
	2 ft	6.6	13.2
	3 ft	9.8	19.4
	4 ft	12.9	25.5
	5 ft	16	31.4
	6 ft	19.1	37.1
	7 ft	22.1	42.5
	8 ft	25	47.8
	9 ft	27.9	52.9
	10 ft	30.7	57.7
	11 ft	33.5	62.4
	12 ft	36.2	66.8
	13 ft	38.8	71.1
	14 ft	41.4	75.1
	15 ft	43.9	79
	16 ft	46.4	82.6
	17 ft	48.8	86
	18 ft	51.2	89.3
	19 ft	53.5	92.3
	20 ft	55.8	-
	21 ft	58	-
	22 ft	60.1	-
	23 ft	62.2	-
	24 ft	64.3	-
	25 ft	66.2	-
	26 ft	68.2	-
	27 ft	70	-
	28 ft	71.8	-
	29 ft	73.6	-
	30 ft	75.3	-
	31 ft	77	-
	32 ft	78.5	-
	33 ft	80.1	-
	34 ft	81.5	-
	35 ft	83	-

±5% tolerance for all listed



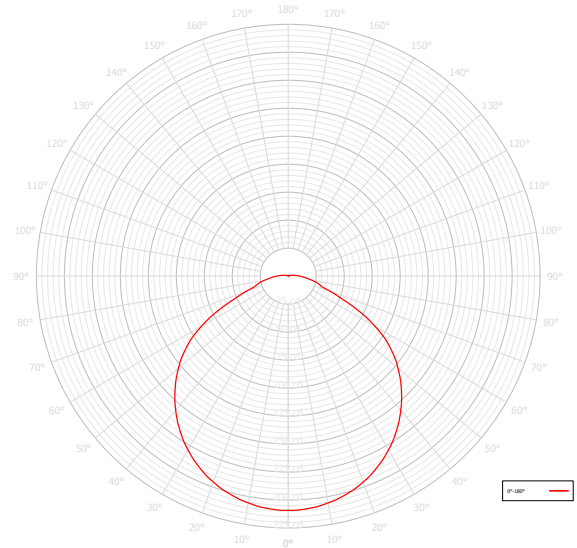
I TM30 Data

300 lm/ft		CRI	Rf	Rg	R9
1-Step	1800K	94.8	92.7	102.7	81
	3500K	96.7	93.9	102.1	97
2-Step	1800K	95.2	94.1	100.4	79
	3500K	97.4	95	102.4	98
3-Step	1800K	93.3	91.4	100.6	66
	3500K	96.5	92.6	100.9	76

600 lm/ft		CRI	Rf	Rg	R9
1-Step	1800K	94.8	92.8	102.4	79
	3500K	96.8	94.1	102.2	96
2-Step	1800K	95.2	93.8	100.9	78
	3500K	97.3	94.9	102.7	99
3-Step	1800K	93.5	91.8	100	65
	3500K	96.1	92.6	101.2	73

I Polar Plot

UNI1-CT-O-300-1835K



±5% tolerance for all listed data



I Cone of Light

UNI1-CT-O-300 / UNI2-CT-O-300 @18K

Mtg Height	Light Level	Beam Diameter
1.0 ft	78.8 fc	3.0 ft
2.0 ft	19.7 fc	6.0 ft
3.0 ft	8.8 fc	9.0 ft
4.0 ft	4.9 fc	12.1 ft
5.0 ft	3.2 fc	15.1 ft
6.0 ft	2.2 fc	18.1 ft
7.0 ft	1.6 fc	21.1 ft
8.0 ft	1.2 fc	24.1 ft
9.0 ft	1.0 fc	27.1 ft
10.0 ft	0.8 fc	30.2 ft

UNI1-CT-O-300 / UNI2-CT-O-300 @35K

Mtg Height	Light Level	Beam Diameter
1.0 ft	132.9 fc	3.0 ft
2.0 ft	33.2 fc	6.1 ft
3.0 ft	14.8 fc	9.1 ft
4.0 ft	8.3 fc	12.1 ft
5.0 ft	5.3 fc	15.2 ft
6.0 ft	3.7 fc	18.2 ft
7.0 ft	2.7 fc	21.2 ft
8.0 ft	2.1 fc	24.3 ft
9.0 ft	1.6 fc	27.3 ft
10.0 ft	1.3 fc	30.3 ft

UNI1-CT-O-300 / UNI2-CT-O-300 (Full)

Mtg Height	Light Level	Beam Diameter
1.0 ft	209.3 fc	3.0 ft
2.0 ft	52.3 fc	6.1 ft
3.0 ft	23.3 fc	9.1 ft
4.0 ft	13.1 fc	12.2 ft
5.0 ft	8.4 fc	15.2 ft
6.0 ft	5.8 fc	18.3 ft
7.0 ft	4.3 fc	21.3 ft
8.0 ft	3.3 fc	24.4 ft
9.0 ft	2.6 fc	27.4 ft
10.0 ft	2.1 fc	30.5 ft

UNI1-CT-O-600 / UNI2-CT-O-600 @18K

Mtg Height	Light Level	Beam Diameter
1.0 ft	138.3 fc	3.0 ft
2.0 ft	34.6 fc	6.0 ft
3.0 ft	15.4 fc	9.0 ft
4.0 ft	8.6 fc	12.0 ft
5.0 ft	5.5 fc	15.0 ft
6.0 ft	3.8 fc	18.0 ft
7.0 ft	2.8 fc	21.0 ft
8.0 ft	2.2 fc	24.0 ft
9.0 ft	1.7 fc	27.0 ft
10.0 ft	1.4 fc	30.0 ft

UNI1-CT-O-600 / UNI2-CT-O-600 @35K

Mtg Height	Light Level	Beam Diameter
1.0 ft	234.0 fc	3.0 ft
2.0 ft	58.5 fc	6.0 ft
3.0 ft	26.0 fc	9.0 ft
4.0 ft	14.6 fc	12.0 ft
5.0 ft	9.4 fc	15.0 ft
6.0 ft	6.5 fc	18.0 ft
7.0 ft	4.8 fc	21.0 ft
8.0 ft	3.7 fc	24.0 ft
9.0 ft	2.9 fc	27.0 ft
10.0 ft	2.3 fc	30.0 ft

UNI1-CT-O-600 / UNI2-CT-O-600 (Full)

Mtg Height	Light Level	Beam Diameter
1.0 ft	365.2 fc	3.0 ft
2.0 ft	91.3 fc	6.0 ft
3.0 ft	40.6 fc	9.1 ft
4.0 ft	22.8 fc	12.1 ft
5.0 ft	14.6 fc	15.1 ft
6.0 ft	10.1 fc	18.1 ft
7.0 ft	7.5 fc	21.1 ft
8.0 ft	5.7 fc	24.2 ft
9.0 ft	4.5 fc	27.2 ft
10.0 ft	3.7 fc	30.2 ft

±5% tolerance for all listed data



I Cone of Light

UNI3-CT-O-300-18K

Mtg Height	Light Level	Beam Diameter
1.00 ft	40.61 fc	3.01 ft
2.00 ft	10.15 fc	6.02 ft
3.00 ft	4.51 fc	9.03 ft
4.00 ft	2.54 fc	12.04 ft
5.00 ft	1.62 fc	15.05 ft
6.00 ft	1.13 fc	18.06 ft
8.00 ft	0.63 fc	24.08 ft
10.00 ft	0.41 fc	30.10 ft
12.00 ft	0.28 fc	36.12 ft
15.00 ft	0.18 fc	45.15 ft

UNI3-CT-O-300-35K

Mtg Height	Light Level	Beam Diameter
1.00 ft	71.92 fc	3.06 ft
2.00 ft	17.98 fc	6.13 ft
3.00 ft	7.99 fc	9.19 ft
4.00 ft	4.49 fc	12.26 ft
5.00 ft	2.88 fc	15.32 ft
6.00 ft	2.00 fc	18.39 ft
8.00 ft	1.12 fc	24.51 ft
10.00 ft	0.72 fc	30.64 ft
12.00 ft	0.50 fc	36.77 ft
15.00 ft	0.32 fc	45.96 ft

UNI3-CT-O-300 (Full)

Mtg Height	Light Level	Beam Diameter
1.00 ft	113.23 fc	3.04 ft
2.00 ft	28.31 fc	6.09 ft
3.00 ft	12.58 fc	9.13 ft
4.00 ft	7.08 fc	12.18 ft
5.00 ft	4.53 fc	15.22 ft
6.00 ft	3.15 fc	18.26 ft
8.00 ft	1.77 fc	24.35 ft
10.00 ft	1.13 fc	30.44 ft
12.00 ft	0.79 fc	36.53 ft
15.00 ft	0.50 fc	45.66 ft

UNI3-CT-O-600-18K

Mtg Height	Light Level	Beam Diameter
1.00 ft	86.03 fc	3.00 ft
2.00 ft	21.51 fc	6.00 ft
3.00 ft	9.56 fc	9.00 ft
4.00 ft	5.38 fc	12.00 ft
5.00 ft	3.44 fc	15.01 ft
6.00 ft	2.39 fc	18.01 ft
8.00 ft	1.34 fc	24.01 ft
10.00 ft	0.86 fc	30.01 ft
12.00 ft	0.60 fc	36.01 ft
15.00 ft	0.38 fc	45.02 ft

UNI3-CT-O-600-35K

Mtg Height	Light Level	Beam Diameter
1.00 ft	145.98 fc	3.06 ft
2.00 ft	36.49 fc	6.13 ft
3.00 ft	16.22 fc	9.19 ft
4.00 ft	9.12 fc	12.26 ft
5.00 ft	5.84 fc	15.32 ft
6.00 ft	4.05 fc	18.39 ft
8.00 ft	2.28 fc	24.51 ft
10.00 ft	1.46 fc	30.64 ft
12.00 ft	1.01 fc	36.77 ft
15.00 ft	0.65 fc	45.96 ft

UNI3-CT-O-600 (Full)

Mtg Height	Light Level	Beam Diameter
1.00 ft	224.15 fc	3.03 ft
2.00 ft	56.04 fc	6.06 ft
3.00 ft	24.91 fc	9.09 ft
4.00 ft	14.01 fc	12.12 ft
5.00 ft	8.97 fc	15.15 ft
6.00 ft	6.23 fc	18.18 ft
8.00 ft	3.50 fc	24.24 ft
10.00 ft	2.24 fc	30.29 ft
12.00 ft	1.56 fc	36.35 ft
15.00 ft	1.00 fc	45.44 ft

±5% tolerance for all listed data