

FIXTURE TYPE _____

PROJECT NAME _____

LOCATION _____



Uniform Dim to Warm (Outdoor)

INCANDESCENT-LIKE OUTDOOR TAPE



I Description

Our Uniform series provides single bin color consistency across every single output option. Uniform Dim to Warm replicates a incandescent dimming curve by shifting to a warmer CCT at its low levels.

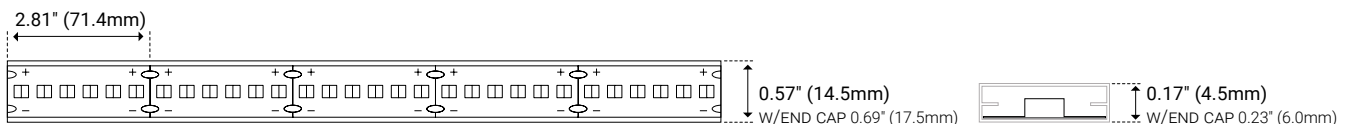
I Features

- 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-DW / UNI2-DW / UNI3-DW
Temp/Colors*	1800K–3000K
Input Voltage	24V DC/Constant Voltage
Beam Spread	120°
CRI	92–97
SDCM	1-Step, 2-Step, and 3-Step
Diode	2835
Diode Pitch	168 LED/m
Cut Intervals	2.81" (71.4mm)
Dimensions	0.57" (14.5mm) × 0.17" (4.5mm)
Dimensions w/End Caps	0.69" (17.5mm) × 0.23" (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-DW – Uniform Dim to Warm 1-Step UNI2-DW – Uniform Dim to Warm 2-Step UNI3-DW – Uniform Dim to Warm 3-Step	O – Outdoor	100 – 100 lm/ft 300 – 300 lm/ft 600 – 600 lm/ft	1830K – 1800K– 3000K	24V – 24V DC	NA – None
* Customizable—Consult Factory			Example: UNI1-DW-O-100-1830K-24V-NA		

I Series Data

1-Step			
Output (lm/ft)	100 (lm/ft)	300 (lm/ft)	600 (lm/ft)
Lumens (per ft)	66	282	527
Wattage ¹ (per ft)	1.7	3.9	7.3
Efficiency (lm/W)	39	73	73
Max Run Length (ft)	44	27	14

2-Step			
Output (lm/ft)	100 (lm/ft)	300 (lm/ft)	600 (lm/ft)
Lumens (per ft)	65	278	526
Wattage ¹ (per ft)	1.7	3.9	7.3
Efficiency (lm/W)	39	72	73
Max Run Length (ft)	44	27	14

3-Step			
Output (lm/ft)	100 (lm/ft)	300 (lm/ft)	600 (lm/ft)
Lumens (per ft)	80	341	635
Wattage ¹ (per ft)	1.4	3.2	5.7
Efficiency (lm/W)	57	107	111
Max Run Length (ft)	47	30	20

¹Power consumption based on average wattage per foot. Refer to Power Chart on page 4 for details.
±5% tolerance for all listed data

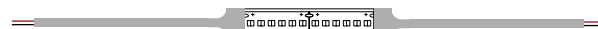


I Power Feed Accessories

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)

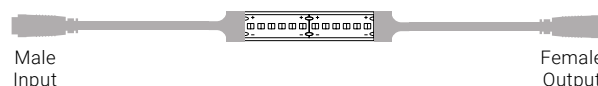
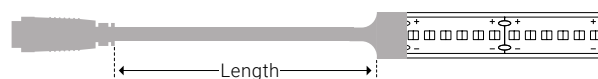


For leads on both input and output,
specify 2x FML-2C-xx per run.

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)



Male
Input

Female
Output

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
±5% tolerance for all listed data



I Power Chart

1-Step & 2-Step				
		100 (lm/ft)	300 (lm/ft)	600 (lm/ft)
Watts	1 ft	1.8	4.3	7.6
	2 ft	3.6	8.6	15.0
	3 ft	5.4	12.7	22.5
	4 ft	7.1	16.8	29.9
	5 ft	8.9	21.0	37.1
	6 ft	10.6	25.0	44.3
	7 ft	12.3	28.8	51.2
	8 ft	14.1	32.6	58.2
	9 ft	15.8	36.0	64.8
	10 ft	17.5	39.2	71.3
	11 ft	19.2	43.1	77.6
	12 ft	20.9	46.6	83.8
	13 ft	22.6	50.4	89.6
	14 ft	24.0	53.8	95.4
	15 ft	25.6	57.6	-
	16 ft	27.3	60.8	-
	17 ft	28.9	64.6	-
	18 ft	30.6	67.7	-
	19 ft	32.2	70.7	-
	20 ft	33.8	74.4	-
	21 ft	35.4	77.3	-
	22 ft	36.9	80.1	-
	23 ft	38.5	83.7	-
	24 ft	40.0	86.4	-
	25 ft	41.5	89.0	-
	26 ft	43.1	91.5	-
	27 ft	44.5	94.0	-
	28 ft	46.0	-	-
	29 ft	47.5	-	-
	30 ft	48.9	-	-
	31 ft	50.3	-	-
	32 ft	51.7	-	-
	33 ft	53.1	-	-
	34 ft	54.5	-	-
	35 ft	55.8	-	-
	36 ft	57.1	-	-
	37 ft	58.4	-	-
	38 ft	59.7	-	-
	39 ft	61.0	-	-
	40 ft	62.2	-	-
	41 ft	63.4	-	-
	42 ft	64.6	-	-
	43 ft	65.8	-	-
	44 ft	67.0	-	-
	45 ft	-	-	-
	46 ft	-	-	-
	47 ft	-	-	-

3-Step				
		100 (lm/ft)	300 (lm/ft)	600 (lm/ft)
Watts	1 ft	1.6	3.7	6.6
	2 ft	3.2	7.4	13
	3 ft	4.6	11	19.3
	4 ft	6.1	14.5	25.3
	5 ft	7.8	17.9	31.1
	6 ft	9.3	21.3	36.7
	7 ft	10.8	24.6	42.1
	8 ft	12.3	27.9	47.3
	9 ft	13.8	31	52.4
	10 ft	15.2	34.1	57.2
	11 ft	16.6	37.1	61.8
	12 ft	18.1	40.1	66.2
	13 ft	19.5	42.9	70.4
	14 ft	20.9	45.7	74.4
	15 ft	22.3	48.5	78.2
	16 ft	23.7	51.1	81.8
	17 ft	25	53.7	85.3
	18 ft	26.3	56.2	88.5
	19 ft	27.6	58.7	91.5
	20 ft	29	61.1	94.3
	21 ft	30.3	63.4	-
	22 ft	31.5	65.6	-
	23 ft	32.8	67.8	-
	24 ft	34	69.8	-
	25 ft	35.3	71.9	-
	26 ft	36.5	73.8	-
	27 ft	37.7	75.7	-
	28 ft	38.8	77.5	-
	29 ft	40	79.2	-
	30 ft	41.2	80.9	-
	31 ft	42.3	-	-
	32 ft	43.4	-	-
	33 ft	44.5	-	-
	34 ft	45.6	-	-
	35 ft	46.7	-	-
	36 ft	47.7	-	-
	37 ft	48.8	-	-
	38 ft	49.8	-	-
	39 ft	50.8	-	-
	40 ft	51.8	-	-
	41 ft	52.8	-	-
	42 ft	53.8	-	-
	43 ft	54.7	-	-
	44 ft	55.7	-	-
	45 ft	56.6	-	-
	46 ft	57.5	-	-
	47 ft	58.4	-	-

±5% tolerance for all listed



I TM30 Data

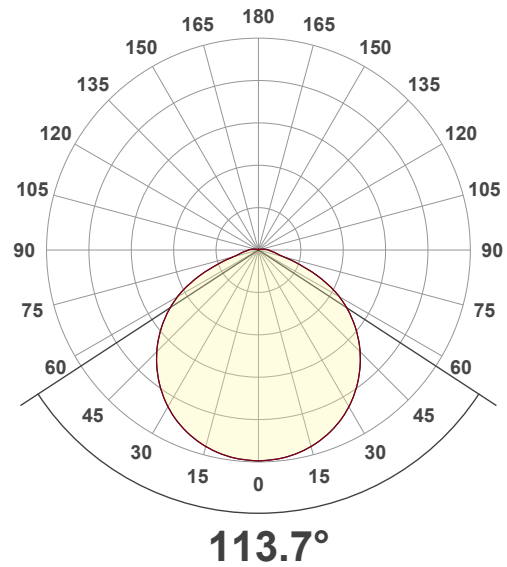
@ 3000K		CRI	Rf	Rg	R9
1-Step	100 lm/ft	97	95	103	94
	300 lm/ft	97	96	103	96
	600 lm/ft	97	96	103	99

@ 3000K		CRI	Rf	Rg	R9
2-Step	100 lm/ft	96	94	102	90
	300 lm/ft	97	95	102	94
	600 lm/ft	97	95	102	97

@ 3000K		CRI	Rf	Rg	R9
3-Step	100 lm/ft	92	92	103	89
	300 lm/ft	93	93	103	90
	600 lm/ft	93	93	121	84

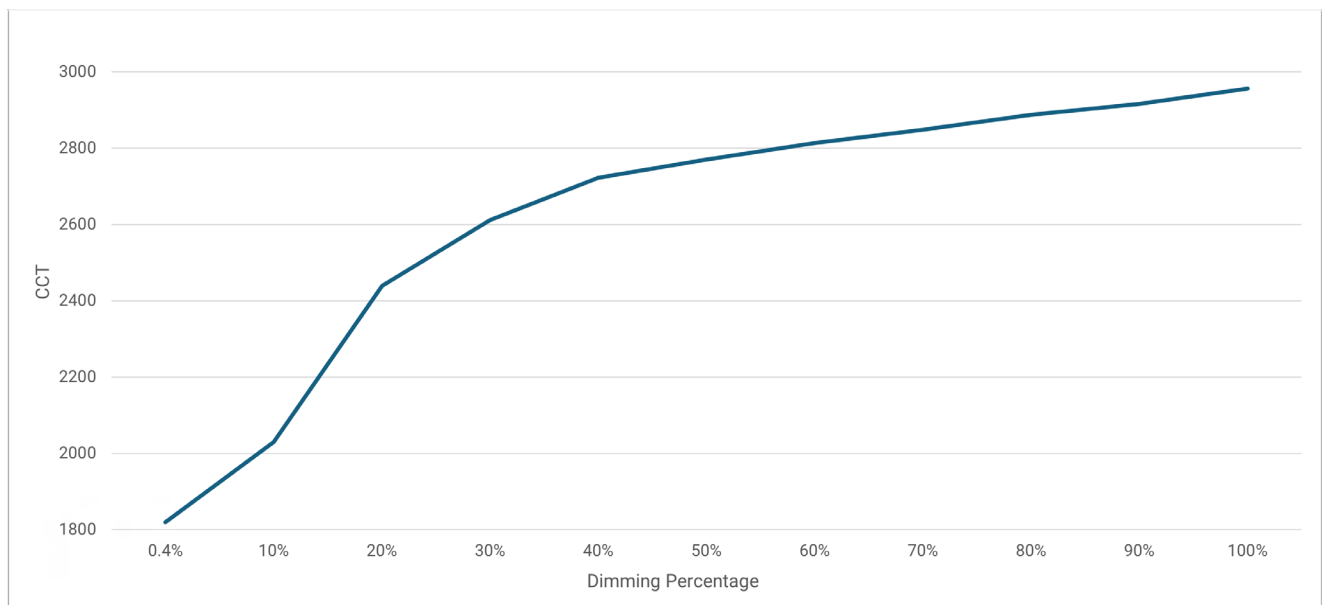
I Polar Plot

UNI1-DW-O-600-1830K-24V



I Dimming Curves

UNI1-DW-O-600



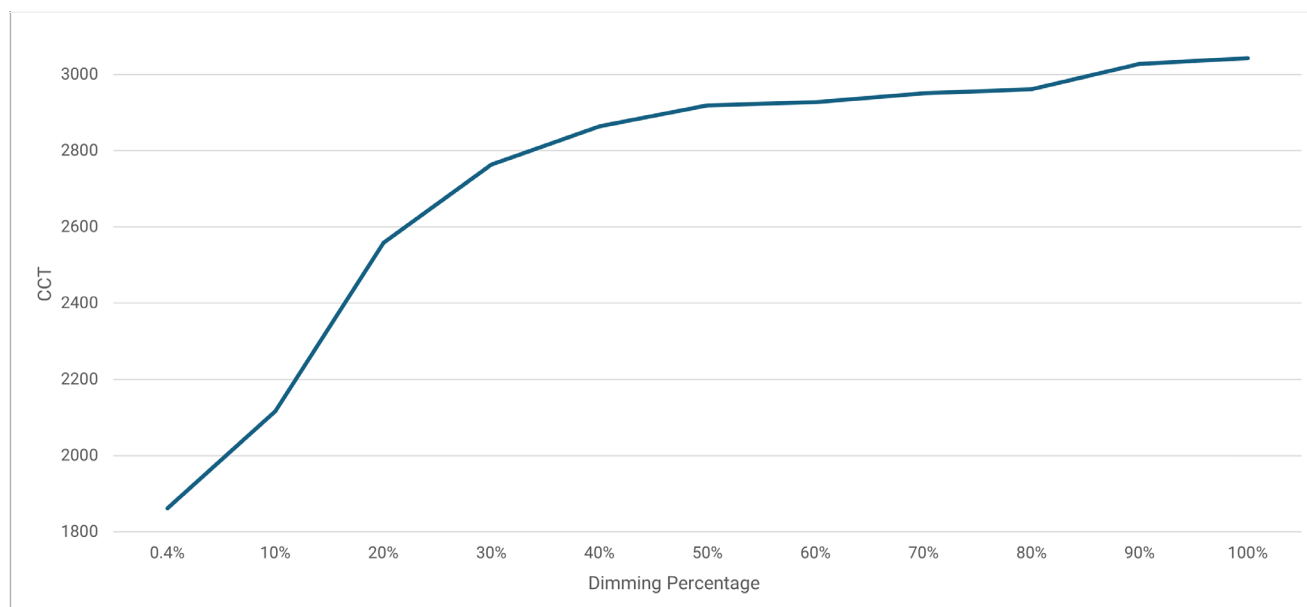
Voltage	24.1	21.3	19.5	16.6	14.0	12.0	9.5	7.4	5.2	2.8	0.6
Dim%	100%	90%	80%	70%	60%	50%	40%	30%	20%	10%	0.4%
CCT	2956	2916	2888	2849	2814	2770	2723	2612	2439	2030	1820

±5% tolerance for all listed data



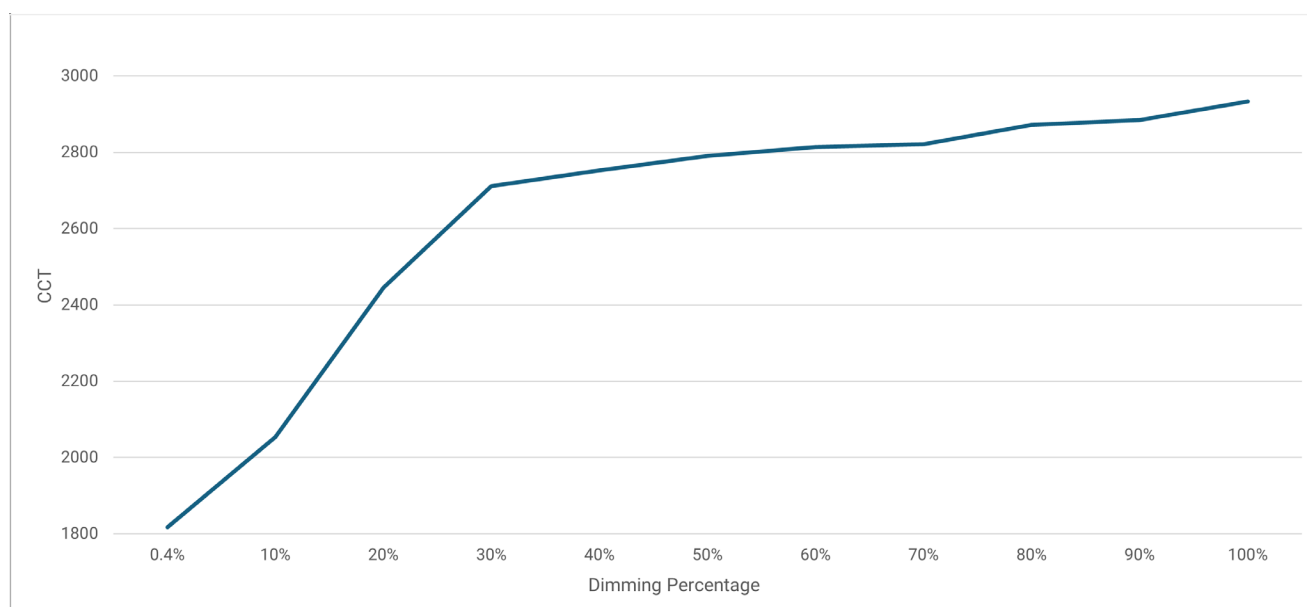
I Dimming Curves

UNI2-DW-O-600



Voltage	24.1	22.4	19.2	17.0	15.1	13.1	10.6	8.0	5.4	3.0	0.4
Dim%	100%	90%	80%	70%	60%	50%	40%	30%	20%	10%	0.4%
CCT	3043	3028	2961	2951	2927	2919	2864	2764	2559	2117	1862

UNI3-DW-O-600



Voltage	24.1	20.3	18.2	15.4	14.3	11.5	9.9	7.9	5.1	2.9	0.7
Dim%	100%	90%	80%	70%	60%	50%	40%	30%	20%	10%	0.4%
CCT	2885	2933	2872	2814	2821	2791	2753	2712	2445	2054	1817



I Cone of Light

UNI1-DW-O-100 / UNI2-DW-O-100

Mtg Height	Light Level	Beam Diameter
1.0 ft	42.7 fc	3.0 ft
2.0 ft	10.7 fc	6.0 ft
3.0 ft	4.7 fc	9.1 ft
4.0 ft	2.7 fc	12.1 ft
5.0 ft	1.7 fc	15.1 ft
6.0 ft	1.2 fc	18.1 ft
7.0 ft	0.9 fc	21.1 ft
8.0 ft	0.7 fc	24.1 ft
9.0 ft	0.5 fc	27.2 ft
10.0 ft	0.4 fc	30.2 ft

UNI1-DW-O-300 / UNI2-DW-O-300

Mtg Height	Light Level	Beam Diameter
1.0 ft	180.2 fc	3.1 ft
2.0 ft	45.0 fc	6.2 ft
3.0 ft	20.0 fc	9.3 ft
4.0 ft	11.3 fc	12.4 ft
5.0 ft	7.2 fc	15.4 ft
6.0 ft	5.0 fc	18.5 ft
7.0 ft	3.7 fc	21.6 ft
8.0 ft	2.8 fc	24.7 ft
9.0 ft	2.2 fc	27.8 ft
10.0 ft	1.8 fc	30.9 ft

UNI1-DW-O-600 / UNI2-DW-O-600

Mtg Height	Light Level	Beam Diameter
1.0 ft	340.8 fc	3.1 ft
2.0 ft	85.2 fc	6.1 ft
3.0 ft	37.9 fc	9.2 ft
4.0 ft	21.3 fc	12.2 ft
5.0 ft	13.6 fc	15.3 ft
6.0 ft	9.5 fc	18.4 ft
7.0 ft	7.0 fc	21.4 ft
8.0 ft	5.3 fc	24.5 ft
9.0 ft	4.2 fc	27.5 ft
10.0 ft	3.4 fc	30.6 ft

UNI3-DW-O-100

Mtg Height	Light Level	Beam Diameter
1.0 ft	51.6 fc	3.0 ft
2.0 ft	12.9 fc	5.9 ft
3.0 ft	5.7 fc	8.9 ft
4.0 ft	3.2 fc	11.9 ft
5.0 ft	2.1 fc	14.8 ft
6.0 ft	1.4 fc	17.8 ft
7.0 ft	1.1 fc	20.8 ft
8.0 ft	0.8 fc	23.7 ft
9.0 ft	0.6 fc	26.7 ft
10.0 ft	0.5 fc	29.7 ft

UNI3-DW-O-300

Mtg Height	Light Level	Beam Diameter
1.0 ft	223.8 fc	3.0 ft
2.0 ft	56.0 fc	5.9 ft
3.0 ft	24.9 fc	8.9 ft
4.0 ft	14.0 fc	11.8 ft
5.0 ft	9.0 fc	14.8 ft
6.0 ft	6.2 fc	17.7 ft
7.0 ft	4.6 fc	20.7 ft
8.0 ft	3.5 fc	23.6 ft
9.0 ft	2.8 fc	26.6 ft
10.0 ft	2.2 fc	29.5 ft

UNI3-DW-O-600

Mtg Height	Light Level	Beam Diameter
1.0 ft	420.0 fc	2.9 ft
2.0 ft	105.0 fc	5.8 ft
3.0 ft	46.7 fc	8.6 ft
4.0 ft	26.2 fc	11.5 ft
5.0 ft	16.8 fc	14.4 ft
6.0 ft	11.7 fc	17.3 ft
7.0 ft	8.6 fc	20.1 ft
8.0 ft	6.6 fc	23.0 ft
9.0 ft	5.2 fc	25.9 ft
10.0 ft	4.2 fc	28.8 ft

±5% tolerance for all listed data