FIXTURE TYPE _____

PROJECT NAME _____

LOCATION _____

Uniform Dim to Warm (Indoor)

INCANDESCENT-LIKE INDOOR TAPE

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.

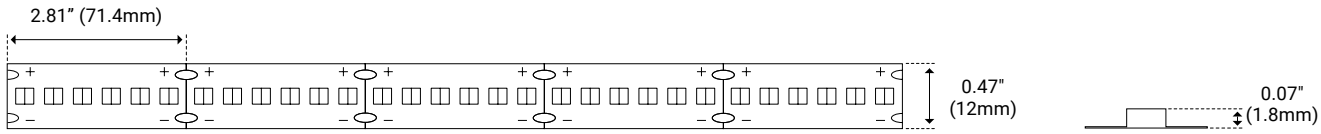
Features

- 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

Series Spec

Series	UNI1-DW / UNI2-DW / UNI3-DW
Temp/Colors*	1800K–3000K
Input Voltage	24V DC/Constant Voltage
Beam Spread	120°
CRI	92–98
SDCM	1-Step, 2-Step, and 3-Step
Diode	2835
Diode Pitch	168 LED/m
Cut Intervals	2.81” (71.4mm)
Dimensions	0.47” (12.0mm) × 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)

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

Product Code Builder

Series	Location	Output*	Temp/ Color*	Voltage	Modification
	I		1830K	24V	NA

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	**I** — Indoor	**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-I-100-1830K-24V-NA

Series Data

1-Step			
Output (lm/ft)	**100** (lm/ft)	**300** (lm/ft)	**600** (lm/ft)
Lumens (per ft)	134	356	651
Wattage[1] (per ft)	1.7	3.9	7.3
Efficiency (lm/W)	80	92	90
Max Run Length (ft)	44	27	14

2-Step			
Output (lm/ft)	**100** (lm/ft)	**300** (lm/ft)	**600** (lm/ft)
Lumens (per ft)	136	354	653
Wattage[1] (per ft)	1.7	3.9	7.3
Efficiency (lm/W)	81	91	90
Max Run Length (ft)	44	27	14

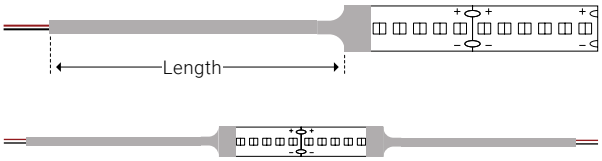
3-Step			
Output (lm/ft)	**100** (lm/ft)	**300** (lm/ft)	**600** (lm/ft)
Lumens (per ft)	85	360	701
Wattage[1] (per ft)	1.4	3.2	5.7
Efficiency (lm/W)	61	112	123
Max Run Length (ft)	47	30	20

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

Power Feed Accessories

Lead

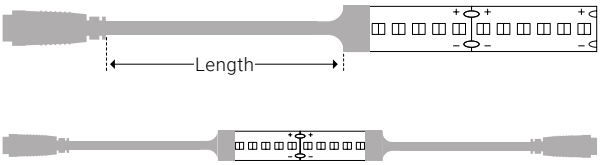
Unit Number	Length*
FML-2C-1	12.00" (305.0mm)
FML-2C-2	24.00" (0.60m)
FML-2C-3	36.00" (0.91m)
FML-2C-6	72.00" (1.82m)
FML-2C-12	144.00" (3.65m)
FML-2C-15	180.00" (4.57m)
FML-2C-20	240.00" (6.09m)



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)

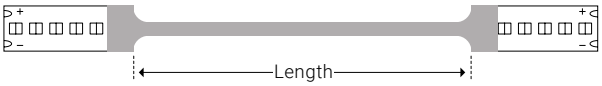


Male Input

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

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

TM30 Data

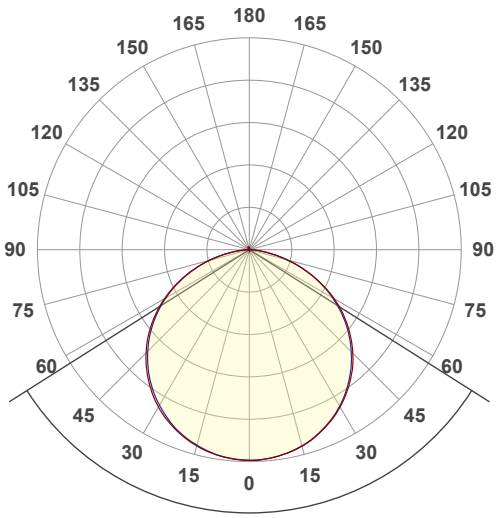
@ 3000K		CRI	Rf	Rg	R9
1-Step	100 lm/ft	97	95	103	94
	300 lm/ft	97	95	103	97
	600 lm/ft	98	95	103	98

@ 3000K		CRI	Rf	Rg	R9
2-Step	100 lm/ft	96	95	102	93
	300 lm/ft	97	95	102	97
	600 lm/ft	97	95	102	98

@ 3000K		CRI	Rf	Rg	R9
3-Step	100 lm/ft	92	92	103	96
	300 lm/ft	93	93	103	90
	600 lm/ft	94	93	103	87

Polar Plot

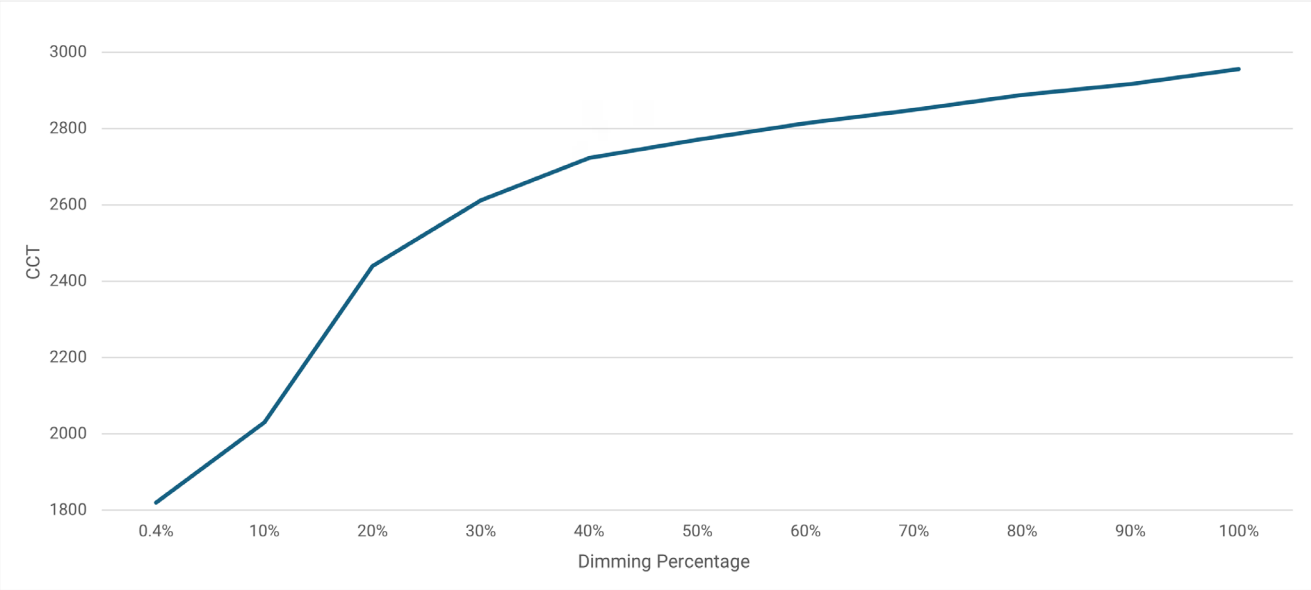
UNI1-DW-I-600-1830K-24V



115.3°

Dimming Curves

UNI1-DW-I-600

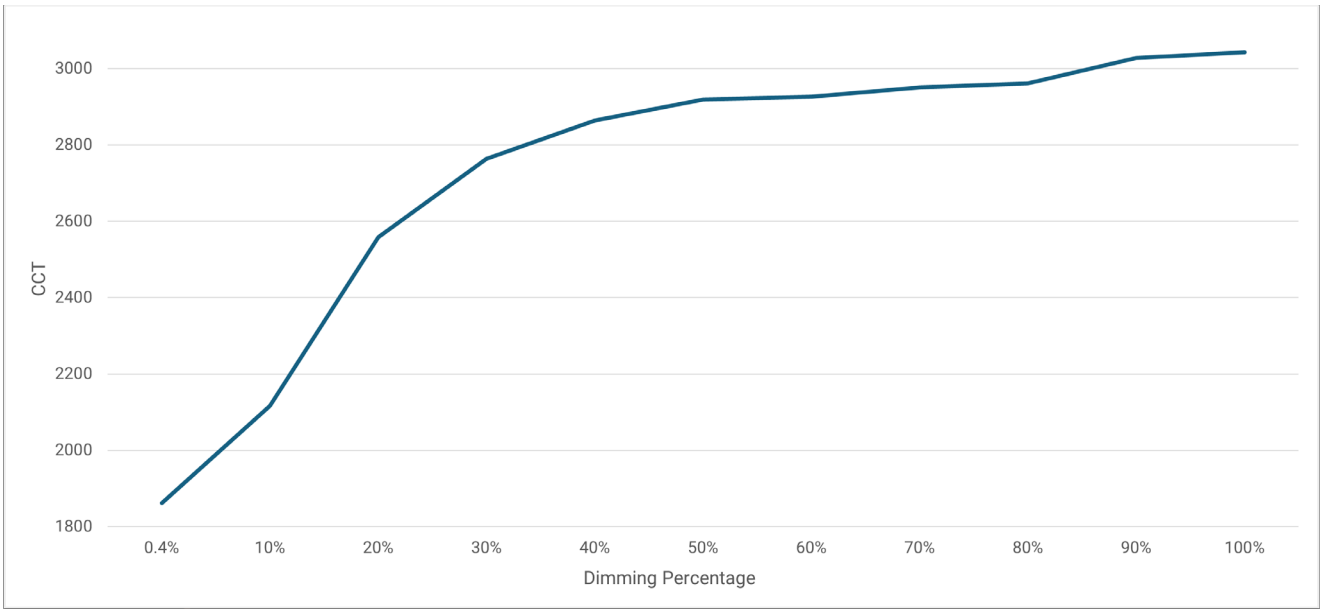


Voltage	24.1	21.3	19.5	16.6	14.0	12.0	9.5	7.4	5.2	2.8	0.6
Dim%	100%	90%	80%	70%	60%	50%	40%	30%	20%	10%	0.4%
CCT	2956	2916	2888	2849	2814	2770	2723	2612	2439	2030	1820

±5% tolerance for all listed data

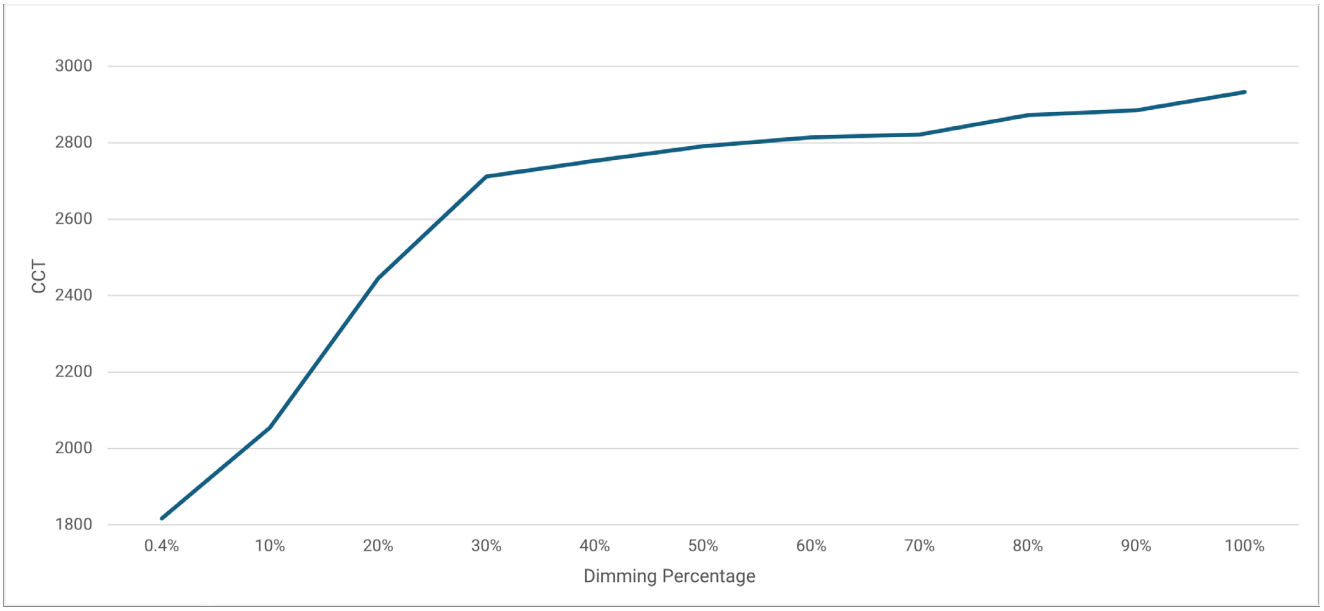
Dimming Curves

UNI2-DW-I-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-I-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

Cone of Light

UNI1-DW-I-100 / UNI2-DW-I-100

Mtg Height	Light Level	Beam Diameter
1.0 ft	83.5 fc	3.2 ft
2.0 ft	20.9 fc	6.3 ft
3.0 ft	9.3 fc	9.5 ft
4.0 ft	5.2 fc	12.7 ft
5.0 ft	3.3 fc	15.8 ft
6.0 ft	2.3 fc	19.0 ft
7.0 ft	1.7 fc	22.2 ft
8.0 ft	1.3 fc	25.3 ft
9.0 ft	1.0 fc	28.5 ft
10.0 ft	0.8 fc	31.6 ft

UNI1-DW-I-300 / UNI2-DW-I-300

Mtg Height	Light Level	Beam Diameter
1.0 ft	225.7 fc	3.2 ft
2.0 ft	56.4 fc	6.4 ft
3.0 ft	25.1 fc	9.5 ft
4.0 ft	14.1 fc	12.7 ft
5.0 ft	9.0 fc	15.9 ft
6.0 ft	6.3 fc	19.1 ft
7.0 ft	4.6 fc	22.2 ft
8.0 ft	3.5 fc	25.4 ft
9.0 ft	2.8 fc	28.6 ft
10.0 ft	2.3 fc	31.8 ft

UNI1-DW-I-600 / UNI2-DW-I-600

Mtg Height	Light Level	Beam Diameter
1.0 ft	414.2 fc	3.2 ft
2.0 ft	103.5 fc	6.4 ft
3.0 ft	46.0 fc	9.6 ft
4.0 ft	25.9 fc	12.8 ft
5.0 ft	16.6 fc	16.0 ft
6.0 ft	11.5 fc	19.2 ft
7.0 ft	8.5 fc	22.4 ft
8.0 ft	6.5 fc	25.6 ft
9.0 ft	5.1 fc	28.8 ft
10.0 ft	4.1 fc	31.9 ft

UNI3-DW-I-100

Mtg Height	Light Level	Beam Diameter
1.0 ft	53.8 fc	3.2 ft
2.0 ft	13.5 fc	6.4 ft
3.0 ft	6.0 fc	9.5 ft
4.0 ft	3.4 fc	12.7 ft
5.0 ft	2.2 fc	15.9 ft
6.0 ft	1.5 fc	19.1 ft
7.0 ft	1.1 fc	22.2 ft
8.0 ft	0.8 fc	25.4 ft
9.0 ft	0.7 fc	28.6 ft
10.0 ft	0.5 fc	31.8 ft

UNI3-DW-I-300

Mtg Height	Light Level	Beam Diameter
1.0 ft	229.9 fc	3.1 ft
2.0 ft	57.5 fc	6.3 ft
3.0 ft	25.5 fc	9.4 ft
4.0 ft	14.4 fc	12.5 ft
5.0 ft	9.2 fc	15.7 ft
6.0 ft	6.4 fc	18.8 ft
7.0 ft	4.7 fc	21.9 ft
8.0 ft	3.6 fc	25.1 ft
9.0 ft	2.8 fc	28.2 ft
10.0 ft	2.3 fc	31.4 ft

UNI3-DW-I-600

Mtg Height	Light Level	Beam Diameter
1.0 ft	445.9 fc	3.2 ft
2.0 ft	111.5 fc	6.3 ft
3.0 ft	49.5 fc	9.5 ft
4.0 ft	27.9 fc	12.6 ft
5.0 ft	17.8 fc	15.8 ft
6.0 ft	12.4 fc	19.0 ft
7.0 ft	9.1 fc	22.1 ft
8.0 ft	7.0 fc	25.3 ft
9.0 ft	5.5 fc	28.5 ft
10.0 ft	4.5 fc	31.6 ft

±5% tolerance for all listed data