Complete Specification Sheet

Uniform Ingrade

LINEAR LED



Uniform Ingrade

Floor, Wall, Ceiling, Flexible Linear

Specifications

Category	Flexible Linear
Series	Uniform Thin Line
Family	Static White
IP Rating	IP68
CRI	90-97
CCT Options	1800K - 6500K
Input Voltage	24V DC
Width	0.41in (10.5mm)
Height	0.17in (4.0mm)
Width w/ End Cap	0.48in (12.2mm)
Height w/ End Cap	0.25in (6.4mm)
Cut Intervals	1.64in (41.7mm)
Beam Angle	120°
Lumens per Foot	97-404 lm/ft
Life Expectancy	50,000 Hour Life (L70)
Storage Temp.	-4°F (-20°C) to 158°F (70°C)
Operating Temp.	-4°F (-20°C) to 140°F (60°C)

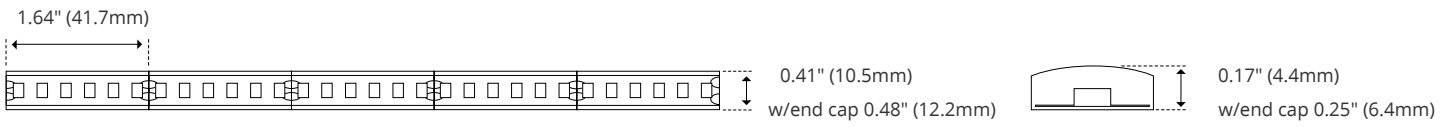
Features

- Uses U2835 Diodes
- 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
- IP68
- Offering 1-Step, 2-Step, and 3-Step SDCM

Description

Our Uniform series provides single bin color consistency in a robust IP68 jacket. Uniform Ingrade is meant to pair with our Floor/Wall/Ceiling channels to provide a walk-over rated light source.

Dimensions



Kelvix reserves the right to update the product specifications at any time. To maintain warranty, field modifications must follow approved Kelvix installation instruction.
Conforms to ANSI/UL Standard 2108
Certified to CAN/CSA Standard C22.2 No. 250.2

Fixture Type _____

Project Name _____

Location _____

Product Code Builder

Uniform Ingrade

LINEAR LED

Product Code Builder

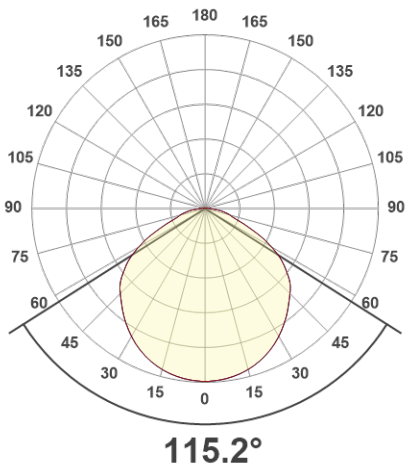
Example: UNI1-IN-O-300-18K-24V-NA

SERIES		FAMILY	LOCATION	OUTPUT	CCT		VOLTAGE
		IN	O	300			24V
UNI1	1-Step	Ingrade	Outdoor	300 lm/ft	18K	1800K	24V DC
UNI2	2-Step				22K	2200K	
UNI3	3-Step				24K	2400K	
					27K	2700K	
					30K	3000K	
					35K	3500K	
					40K	4000K	
					50K	5000K	
					65K	6500K	

OUTPUT AND CCT

Output (lm/ft)		300 (lm/ft)		
		1-Step	2-Step	3-Step
Lumens (per ft)	1800K	238	258	297
	2200K	293	317	323
	2400K	295	320	333
	2700K	304	329	346
	3000K	343	372	357
	3500K	399	433	369
	4000K	358	388	375
	5000K	337	365	378
	6500K	359	389	394
Wattage1 (per ft)		2.8	2.8	2.6
Efficiency (lm/W)		123	133	137
Max Run Length (ft)		27	27	27

POLAR PLOT



Power consumption based on average wattage per foot. Refer to Power Chart on next page(s) for details.

Fixture Type _____

Project Name _____

Location _____

Lumen and Power Details

Uniform Ingrade

1 AND 2-STEP

	ft	300 (lm/ft)
Watts	1 ft	3.1
	2 ft	6.1
	3 ft	9.2
	4 ft	12.2
	5 ft	15.2
	6 ft	18.2
	7 ft	21.1
	8 ft	24.0
	9 ft	26.8
	10 ft	29.5
	11 ft	32.3
	12 ft	34.9
	13 ft	37.5
	14 ft	40.1
	15 ft	42.6
	16 ft	45.0
	17 ft	47.4
	18 ft	49.6
	19 ft	51.8
	20 ft	53.9
	21 ft	56.0
	22 ft	58.0
	23 ft	60.0
	24 ft	61.8
	25 ft	63.7
	26 ft	65.4
	27 ft	67.0

3-STEP

	ft	300 (lm/ft)
Watts	1 ft	3.1
	2 ft	6
	3 ft	8.9
	4 ft	11.8
	5 ft	14.5
	6 ft	17.2
	7 ft	19.8
	8 ft	22.4
	9 ft	24.8
	10 ft	27.2
	11 ft	29.5
	12 ft	31.8
	13 ft	33.9
	14 ft	36
	15 ft	38
	16 ft	40
	17 ft	41.8
	18 ft	43.6
	19 ft	45.3
	20 ft	47
	21 ft	48.6
	22 ft	50.1
	23 ft	51.5
	24 ft	52.8
	25 ft	54.1
	26 ft	55.3
	27 ft	56.4

TM30

@ 30K		CRI	Rf	Rg	R9
300 lm/ft	1-Step	96.9	94.4	101.9	98.0
	2-Step	97.6	94.8	102.1	97.0
	3-Step	95.3	91.2	98.5	73.0

OUTPUT AND CCT

Output (lm/ft)		300 (lm/ft)		
		1-Step	2-Step	3-Step
Lumens (per ft)	1800K	238	258	297
	2200K	293	317	323
	2400K	295	320	333
	2700K	304	329	346
	3000K	343	372	357
	3500K	399	433	369
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Fixture Type _____

Project Name _____

Location _____

Factory-Made Leads and Connectors

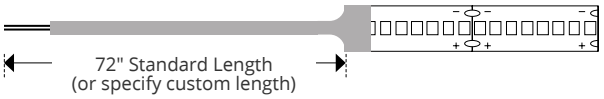
Uniform Series

Pre-soldered factory-assembled leads and connectors for standard LED Linear.
(Can be shipped loose/unsoldered upon request)

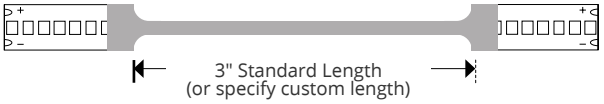
Product Code Builder

Example: FML-2C-2

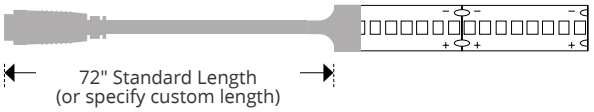
SERIES	CONDUCTORS[2]		LENGTH[1]	
FML				
Factory-Made Lead	2C	2 Conductor	2	2ft (24.0in)
	3C	3 Conductor	6	6ft (72.0in)
	4C	4 Conductor	12	12ft (144.0in)
	5C	5 Conductor	20	20ft (240.0in)
	6C	6 Conductor		



SERIES	CONDUCTORS[2]		LENGTH[1]	
FMC				
Factory-Made Connectors	2C	2 Conductor	3I	3in (76.2mm)
	3C	3 Conductor	6I	6in (152.4mm)
	4C	4 Conductor	12I	12in (304.8mm)
	5C	5 Conductor		
	6C	6 Conductor		



SERIES	CONDUCTORS[2]	CONNECTOR	LENGTH[1]		I/O	
FML						
Lead with DC Plug	2 Conductor	2.1mm ID DC Barrel	1	1ft (12.0in)	M	Male (Input)
			6	6ft (72.0in)	F	Female (Output)
			20	20ft (240.0in)		



CONDUCTORS EXPLAINED:

# of Conductors	Illumination Family	Channels	Gauge	Diameter
2	Single Color (Static White)	1	20AWG	4.5mm
3	CCT, TX (Color Tuning and Pixel)	2	20AWG	4mm
4	RGB	3	20AWG	4mm
5	RGB/W	4	20AWG	4mm
6	RGB/CT	5	20AWG	4mm

1Consult Kelvix for custom lengths
2Lead and connector conductors will match LED Linear conductors. Options shown for ease.

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