

DESCRIPTION

FLEX UNO is a high CRI flexible linear LED strip designed for high-end interior retail applications, luxury hotels, hospitality venues, affluent residences, and similar settings where high quality illumination is desired. It offers industry-leading lumen output with high efficacy at CRI > 90. The flexible LED tape may be used as a standalone lighting instrument or installed into optional anodized aluminum profiles with a choice of lensing options. FLEX UNO is applicable for highlighting merchandise in display cases and casework to adding accents and visual effects to architectural elements for ambience. The LEDs are tightly spaced at a pitch of 0.28" on a double-layer substrate for improved homogenous light output.

FLEX UNO delivers up to 915 lumens per foot with efficacies approaching 99 lumens per watt depending on the color temperature and lumen package. Maximum run length is 18'. L80/B10 LED rated life is 60,000 hours.



FEATURES

- 3000K or 4000K with CRI > 95
- Two lumen packages up to 110 lm/W
- 43 LEDs per foot for homogenous light output
- Double layer substrate allows long line lengths with better stability
- Flexible LED strip installs onto surface with heat-conducting adhesive
- Optional anodized aluminum profiles with a choice of mounting hardware, and lenses. Sold in 16.4' reel lengths. Contact factory for longer lengths
- Works with 24v Remote Driver (details on page 7)

Date: _____ Type: _____ Catalog Number: _____
Project Name: _____

ORDERING INFORMATION

FLEX TAPE SERIES				
MODEL	CRI	COLOR TEMPERATURE	LM/FT	REEL LENGTH
LFLEX-UI [*] LED FLEX UNO Interior	90	2700K	555 814	5M ^{**} 16.4' / 5 meter reel
		3000K	604 878	
		4000K	610 914	

^{*} Power supplies, optional aluminum profiles, mounting accessories, and lenses ordered separately.

^{**} Contact factory for longer reel lengths

	LFLEX-UI-90-2700K-555-5M	LFLEX-UI-90-3000K-604-5M	LFLEX-UI-90-4000K-610-5M	LFLEX-UI-90-2700K-814-5M	LFLEX-UI-90-3000K-878-5M	LFLEX-UI-90-4000K-914-5M
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PHOTOMETRIC DATA

CRI	> 90	> 90	> 90	> 90	> 90	> 90
Color Temperature	2700K	3000K	4000K	2700K	3000K	4000K
Lumens / Foot	555 lm	604 lm	610 lm	814 lm	878 lm	914 lm
Lumens / 16.4' Reel	9102 lm	9905.6 lm	10004 lm	13349.6 lm	14399.2 lm	14989.6 lm
Efficacy (Lumens per watt)	90.1 lm/W	98.0 lm/W	99.0 lm/W	84.2 lm/W	90.9 lm/W	94.6 lm/W
Beam Angle	120°	120°	120°	120°	120°	120°
Center Beam Candle-power	181 cd	197 cd	199 cd	266 cd	287 cd	299 cd
Binning (McAdam Ellipse)	SDCM3	SDCM3	SDCM3	SDCM3	SDCM3	SDCM3

ELECTRICAL DATA

LED Voltage	24V DC	24V DC	24V DC	24V DC	24V DC	24V DC
Watts/Foot	6.2	6.2	6.2	9.7	9.7	9.7
Watts/16.4' Reel	101.68 W	101.68 W	101.68	159.08	159.08 W	159.08 W
Maximum Run Length (Feet) @ 100W	16.1'	16.1'	16.1'	10.3'	10.3'	10.3'
Maximum Run Length (Inches) @ 100W	193.5"	193.5"	193.5"	123.7"	123.7"	123.7"

MECHANICAL DATA

Length of Reel	16.4'
Width	0.31"
Height	0.06"
Color	White
LED Pitch	0.28"
LEDs per foot	43
Segment Cut Length	1.97"
Ingress Protection	IP20

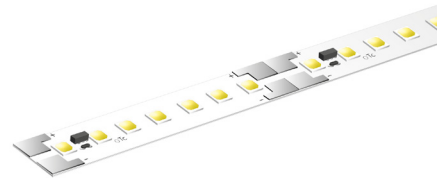
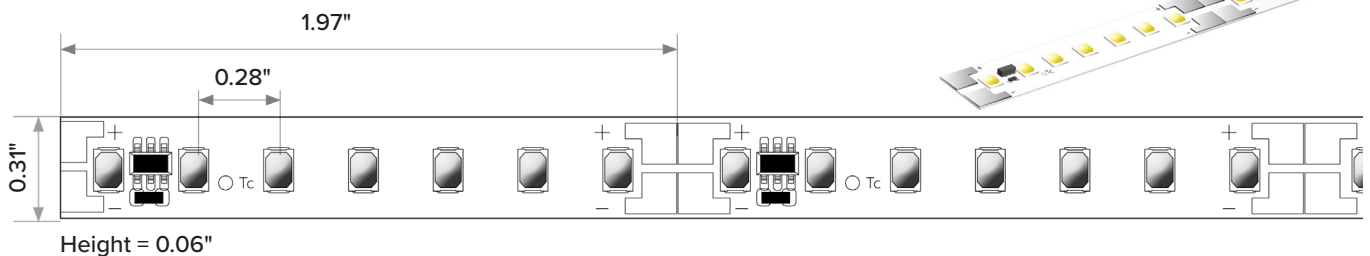
TEMPERATURE DATA

Rated Life (L80/B10 at 25°C)	60,000 hours
Ambient Operating Temperature	-20° to 45°C (-4°F to 113°F)
Ambient/Storage Temperature	-5°C to 55°C (23°F to 131°F)
Operating Temperature at Tc	-5°C to 60°C (23°F to 140°F)

OTHER

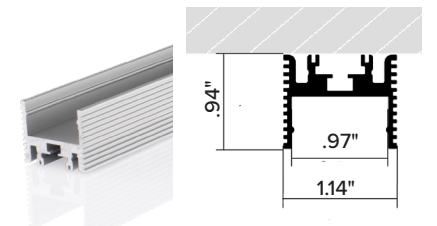
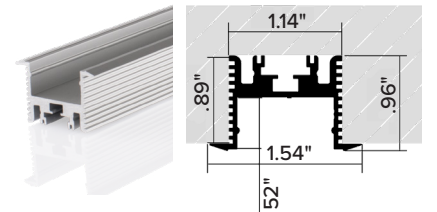
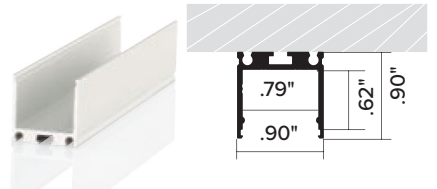
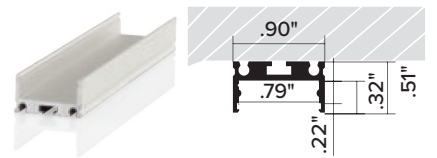
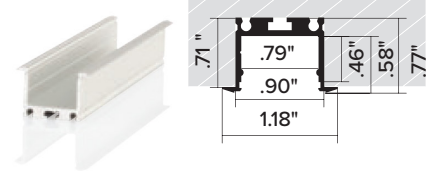
Warranty	5 years
Certifications	UL Listed for Damp Locations

DIMENSIONS (Reel Length = 16.4')



PROFILES (Sold Separately) All dimensions are shown in inches, unless noted otherwise.

WXT01				
Recessed Profile	Dimensions (L x W x H)	Finish	Maximum Watts / Ft	Weight
WXT01-6.6	6.56' x 1.18" x 0.77"	Clear Anodized	8.8 W	0.74 lbs
WXT01-9.8	9.84' x 1.18" x 0.77"	Clear Anodized	8.8 W	1.1 lbs
WXT01-XX*	XX* x 1.18" x 0.77"	Clear Anodized	8.8 W	0.11 lbs/ft
Profile only available with LFLEX-UI-90-2700K-555-5M, LFLEX-UI-90-3000K-604-5M, and LEX-UI-90-4000K-610-5M Flex Tape Options				
WXT02				
Surface Mount Profile	Dimensions (L x W x H)	Finish	Watts / Ft	Weight
WXT02-6.6	6.56' x 0.90" x 0.51"	Clear Anodized	8.8 W	0.59 lbs
WXT02-9.8	9.84' x 0.90" x 0.51"	Clear Anodized	8.8 W	0.88 lbs
WXT02-XX*	XX* x 0.90" x 0.51"	Clear Anodized	8.8 W	0.09 lbs/ft
Profile only available with LFLEX-UI-90-2700K-555-5M, LFLEX-UI-90-3000K-604-5M, and LEX-UI-90-4000K-610-5M Flex Tape Options				
WXT03				
Surface Mount Profile	Dimensions (L x W x H)	Finish	Watts / Ft	Weight
WXT03-6.6	6.56' x 0.90" x 0.90"	Clear Anodized	8.8 W	1.54 lbs
WXT03-9.8	9.84' x 0.90" x 0.90"	Clear Anodized	8.8 W	2.30 lbs
WXT03-XX*	XX* x 0.90" x 0.90"	Clear Anodized	8.8 W	0.23 lbs/ft
Profile only available with LFLEX-UI-90-2700K-555-5M, LFLEX-UI-90-3000K-604-5M, and LEX-UI-90-4000K-610-5M Flex Tape Options				
WHT01				
Recessed Profile	Dimensions (L x W x H)	Finish	Maximum Watts / Ft	Weight
WHT01-6.6	6.56' x 1.54" x .96"	Clear Anodized	10.7 W	2.69 lbs
WHT01-9.8	9.84' x 1.54" x .96"	Clear Anodized	10.7 W	4.04 lbs
WHT01-XX*	XX* x 1.54" x .96"	Clear Anodized	10.7 W	0.41 lbs/ft
WHT02				
Surface Mount Profile	Dimensions (L x W x H)	Finish	Watts / Ft	Weight
WHT02-6.6	6.56' x 1.14" x .94"	Clear Anodized	10.7 W	2.55 lbs
WHT02-9.8	9.84' x 1.14" x .94"	Clear Anodized	10.7 W	3.82 lbs
WHT02-XX*	XX* x 1.14" x .94"	Clear Anodized	10.7 W	0.39 lbs/ft
* Specify XX in feet				



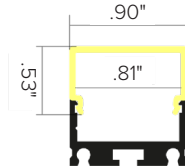
FLEX UNO

Specification Grade Indoor Flexible LED Tape



LENS OPTIONS (Sold Separately) Refer to page 5 for End Cap & Mounting Options

WSX03-xx - U-Lens



Dimensions

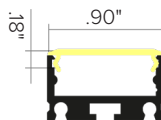
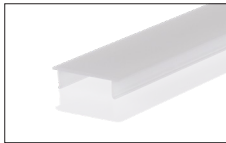
.90" x .53"

Corresponding Profile

WXT01, WXT02, WXT03



WSX07 - Rollable Satin-Finished Lens



Dimensions

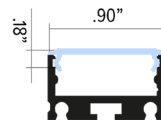
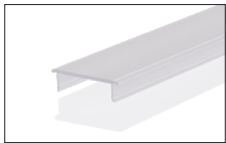
.90" x .18"

Corresponding Profiles

WXT01, WXT02, WXT03



WSX08 - Rollable Transparent Lens



Dimensions

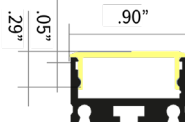
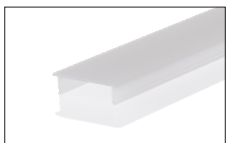
.90" x .18"

Corresponding Profiles

WXT01, WXT02, WXT03



WSX09 - Satin-Finished Lens



Dimensions

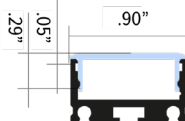
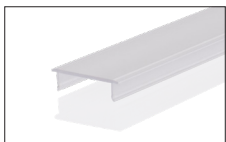
.90" x .29"

Corresponding Profile

WXT01, WXT02, WXT03



WSX10 - Transparent Lens



Dimensions

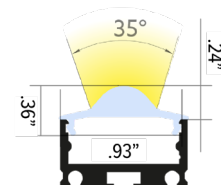
.90" x .29"

Corresponding Profile

WXT01, WXT02, WXT03



WSX30 - Linear Lens



Dimensions

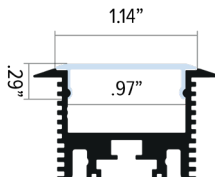
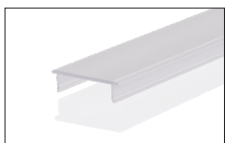
.93" x .36"

Corresponding Profile

WXT01, WXT02, WXT03



WHX09 - Transparent Lens



Dimensions

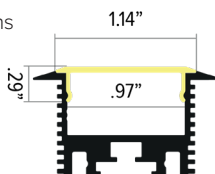
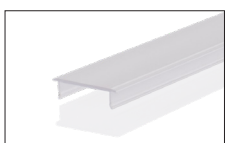
1.14" x .29"

Corresponding Profile

WHT01, WHT02



WHX10 - Satin-Finished Lens



Dimensions

1.14" x .29"

Corresponding Profile

WHT01, WHT02



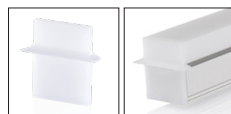
AVAILABLE OPTIONS BY PROFILE SELECTION (SOLD SEPARATELY) Refer to pages 4-6 for details

WXT01 Profile Options	WXT02 Profile Options	WXT03 Profile Options	WHT01 Profile Options	WHT02 Profile Options
End Caps	End Caps	End Caps	End Caps	End Caps
WXT00U-E	WXT00U	WXT003U	WHT001	WHT002
WXT001	WXT002	WXT030		
Mounting	Mounting	Mounting	Mounting	Mounting
WXTC2 - Steel Mount	WXTC4 - Adjustable	WXTC4 - Adjustable	WXTC4 - Adjustable	WXTC4 - Adjustable
WXTC5 - 0.96" Clip	WXTC5 - 0.96" Clip	WXTC5 - 0.96" Clip	WYTV1 - Line Connector	WYTV1 - Line Connector
WXTM1 - Magnet	WXTM1 - Magnet	WXTM1 - Magnet	WYTC5 - 0.76" Clip	WYTC5 - 0.76" Clip
	WYTC8 - Swivel Mount	WYTC8 - Swivel Mount	WYTC8 - Swivel Mount	WYTC8 - Swivel Mount
		WXTA2 - Cable Suspension	WXTA2 - Cable Suspension	WXTA2 - Cable Suspension
Lens	Lens	Lens	Lens	Lens
WSX03-xx*	WSX03-xx*	WSX03-xx*	WHX09-xx*	WHX09-xx*
WSX07-xx*	WSX07-xx*	WSX07-xx*	WHX10-xx*	WHX10-xx*
WSX08-xx*	WSX08-xx*	WSX08-xx*		
WSX09-xx*	WSX09-xx*	WSX09-xx*		
WSX10-xx*	WSX10-xx*	WSX10-xx*		
WSX30-xx*	WSX30-xx*	WSX30-xx*		

* Specify XX in feet

END CAP OPTIONS (Sold Separately) Refer above for more details.

WXT00U-E



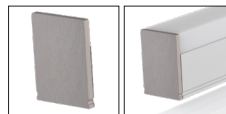
Dimensions

1.18" x 1.18" x .31"

Corresponding Profile

WXT01

WXT003U



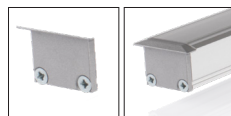
Dimensions

.90" x 1.32" x .28"

Corresponding Profile

WXT03

WXT001



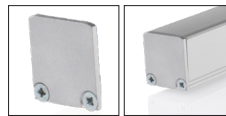
Dimensions

1.18" x .83" x .24"

Corresponding Profile

WXT01

WXT030



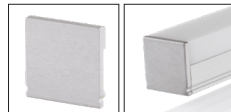
Dimensions

.98" x .90" x .08"

Corresponding Profile

WXT03

WXT00U



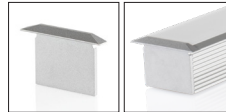
Dimensions

.90" x .93" x .28"

Corresponding Profile

WXT02

WHT001



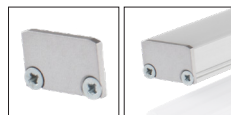
Dimensions

1.14" x .98" x .41"

Corresponding Profile

WHT01

WXT002



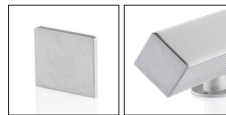
Dimensions

.90" x .55" x .08"

Corresponding Profile

WXT02

WHT002



Dimensions

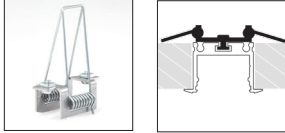
1.14" x .98" x .37"

Corresponding Profile

WHT02

MOUNTING OPTIONS (Sold Separately) Refer to pg. 5 for more details.

WXTC2 - Steel Mount



Dimensions

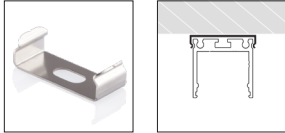
.85" x .59" x 1.57"

Corresponding Profile

WXT01



WXTC5 - .96" Clip



Dimensions

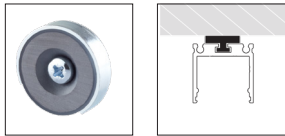
.96" x .29" x .39"

Corresponding Profile

WXT01, WXT02, WXT03



WXTM1 - Magnet



Dimensions

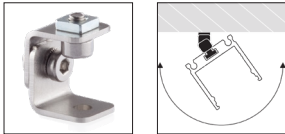
.79" x .24" x .79"

Corresponding Profile

WXT01, WXT02, WXT03



WXTC4 - Adjustable Mount



Dimensions

.39" x .55" x .57"

Corresponding Profile

WXT02, WXT03, WHT01, WHT02



WYTC8 - Swivel Mount



Dimensions

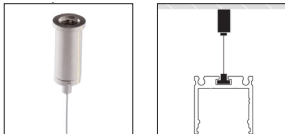
1.18" x 1.10" x 1.18"

Corresponding Profile

WXT02, WXT03, WHT01, WHT02



WXTA2 - Cable Sus-



Dimensions

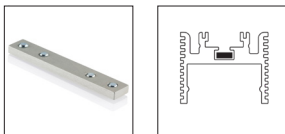
.08"

Corresponding Profile

WXT03, WHT01, WHT02



WYTV1 - Line Connec-



Dimensions

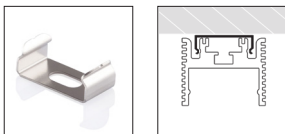
.24" x .14" x .197"

Corresponding Profile

WHT01, WHT02



WYTC5 - .76" Clip



Dimensions

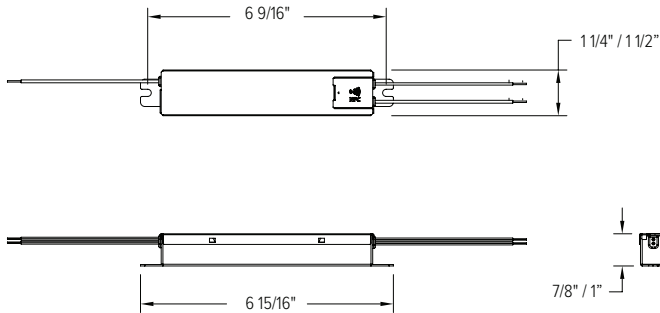
.76" x .30" x .39"

Corresponding Profile

WHT01, WHT02



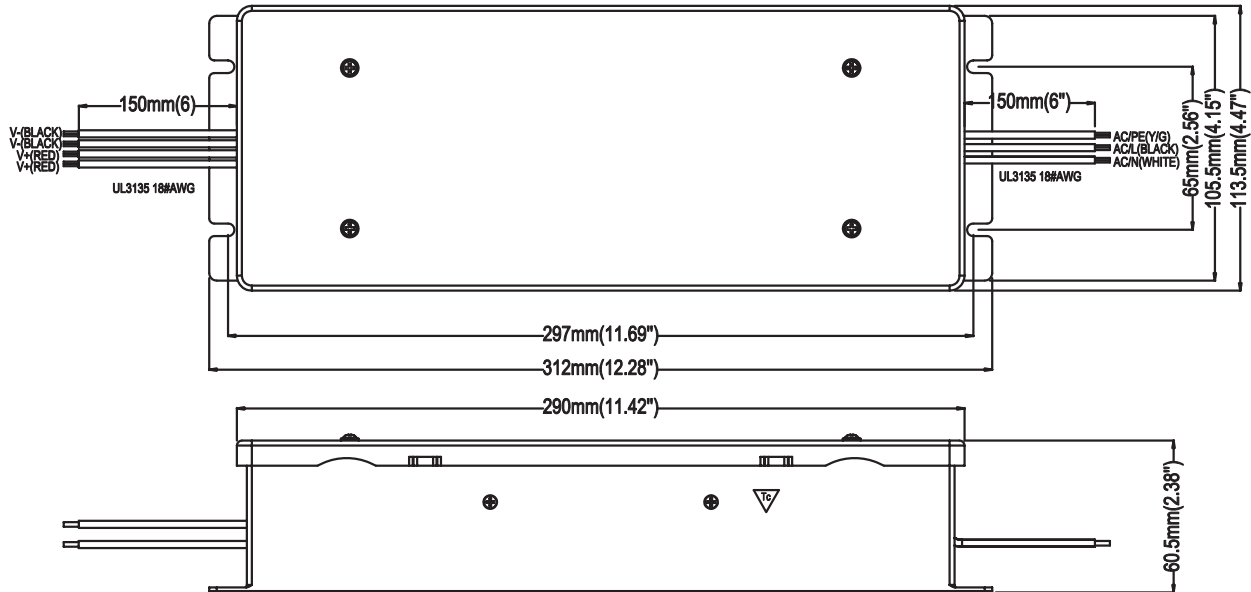
DRIVER VZM060W-24 / VZM100W - 24 DIMENSIONS



VZM060W-24 / VZM100W-24

Driver	Nominal Input Voltage (VAC)	# of Channels	Pout Max (W)	Vout Max (Vdc)	Iout Min (A)	Iout Max (A)	Open Loop Voltage (No Load Vout Max) (Vdc)	Comments
VZM060W-24	120 & 277	1	60	24	0.25	2.50	25.68	Aluminum case with flying leads
VZM100W-24	120 & 277	1	90	24	0.38	3.75	25.68	Aluminum case with flying leads

XLD DRIVER DIMENSIONS



XLD Driver

Driver	Nominal Input Voltage (VAC)	# of Channels	Pout Max (W)	Vout Max (Vdc)	Iout Min (A)	Iout Max (A)	Open Loop Voltage (No Load Vout Max) (Vdc)	Comments
XLD200-2-24V-FC	90 - 305	2	100	24	0.42	8.75	25.2	Aluminum case with flying leads

PHOTOMETRICS

PHOTOMETRIC FILENAME

LFLEX-UI-90-2700K-555.IES

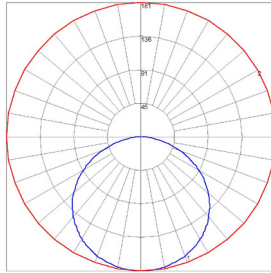
Color Temperature (CCT) = 2700K

Color Rendering (CRI) = 90

Delivered Lumens = 555 lm/ft

Maximum Candela = 181 cd

Beam Angle = 120°



PHOTOMETRIC FILENAME

LFLEX-UI-90-2700K-814.IES

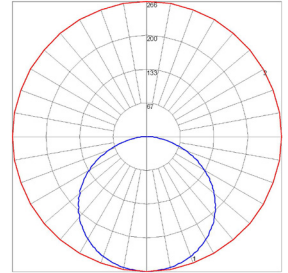
Color Temperature (CCT) = 2700K

Color Rendering (CRI) = 90

Delivered Lumens = 814 lm/ft

Maximum Candela = 266 cd

Beam Angle = 120°



PHOTOMETRIC FILENAME

LFLEX-UI-90-3000K-604.IES

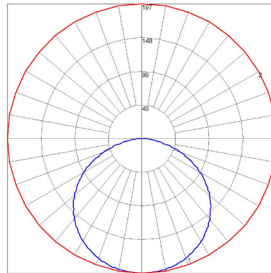
Color Temperature (CCT) = 3000K

Color Rendering (CRI) = 90

Delivered Lumens = 604 lm/ft

Maximum Candela = 197 cd

Beam Angle = 120°



PHOTOMETRIC FILENAME

LFLEX-UI-90-3000K-878.IES

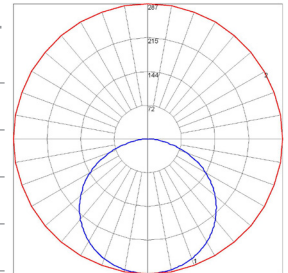
Color Temperature (CCT) = 3000K

Color Rendering (CRI) = 90

Delivered Lumens = 878 lm/ft

Maximum Candela = 287 cd

Beam Angle = 120°



PHOTOMETRIC FILENAME

LFLEX-UI-90-4000K-610.IES

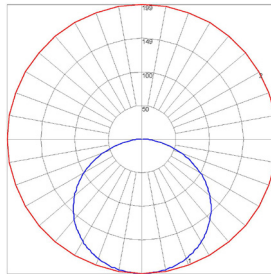
Color Temperature (CCT) = 4000K

Color Rendering (CRI) = 90

Delivered Lumens = 610 lm/ft

Maximum Candela = 199 cd

Beam Angle = 120°



PHOTOMETRIC FILENAME

LFLEX-UI-90-4000K-914.IES

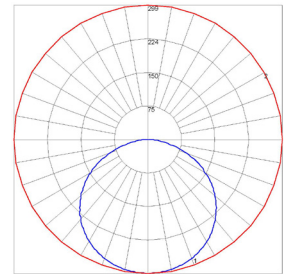
Color Temperature (CCT) = 4000K

Color Rendering (CRI) = 90

Delivered Lumens = 914 lm/ft

Maximum Candela = 299 cd

Beam Angle = 120°



FLEX UNO

Specification Grade Indoor Flexible LED Tape

