

LED UTILITY WRAP

LSU SERIES



PRODUCT DESCRIPTION:

A cost effective LED Utility Wrap Fixture, features full length U Wrap Acrylic lens, one piece fabricated steel body. Designed to meet or exceed 7-10Fc at 8' installed heights for parking drive lane compliance. For uses as utility lighting, parking garage and stairwell lighting where meets applicable building and safety codes.

THERMAL/ LUMEN BALANCED LIGHT ENGINES –

MaxLite engineered low drive rates allow cooler operating temperatures. This translates as less thermal heat sinking needed, while allowing more LED's to be used, resulting in more lumen output. Cooler LED's perform correspondingly longer than harder driven hot LED's.

FEATURES:

- Thermal/Lumen balanced light engine
- Steel Construction
- Back and End Knockouts
- Class II driver, with 0-10V dimming
- Low power consumption
- Ceiling or wall mounted
- For covered use only – damp rated¹
- Wire Guard available
- White Finish standard
- CRI > 83
- Optional Occupancy Sensor available
- Assembled in USA available upon request

CONSTRUCTION:

- 20 Ga. Steel body and end caps
- Clear Acrylic Prismatic Lens
- Electrostatic Paint pre-assembly
- Universal voltage 120-277v

BI-LEVEL:

- Omni-directional quad element infrared sensor
- 3 Daylight Harvesting setting
- 0-10V selectable output for low dim control
- Walk test and sensor operation LED indicator
- Direct lead wires for easy wiring connections
- 8 rotary DIP switch selectable control modes
- 7 low dim levels changeable via Accu-Set

ON/OFF:

- PIR on/off control
- 360 degree lens
- selectable sensitivity and time delays
- Non-dimming

MODEL SELECTION (Full list of order codes on pg. 3)

Typical order example: LSU4806SU30DV40

LSU		06	S	U		DV		
FAMILY	LENGTH (IN)	WIDTH (IN)	APPLICATION	VOLTAGE	NOMINAL WATTAGE	DIMMING	CCT	OPTIONS
LSU= Utility Wrap	48= 48"	06= 6.75"	S= Surface Mount	U= Universal 120-277VAC	20= 20W 30= 30W 50= 50W	DV= 0-10V Dimming	40= 4000K 50= 5000K	MS= Bi-Level Motion Sensor MSO= On/Off Motion Sensor ² EM= Battery Back Up

ACCESSORIES		
ORDER CODE	MODEL NUMBER	DESCRIPTION
72460	LSUWG2407	WIRE GUARD - WRAP FIXTURE 2FT X 6.75IN
72463	LSUWG4807	WIRE GUARD - WRAP FIXTURE 4FT X 6.75IN
74626	MLCHKLSULB15	UTILITY WRAP LOWBAY CABLE KIT

NOTES:

1. Wire Guards sold separate, see Accessories chart
2. MSO models are to be used in dry locations only
3. All Battery Back Ups operate for 90min
4. In the event of a power failure, the battery backup unit switches to emergency mode (700 lumen output) and operates the fixture for a minimum of 90 minutes

SPECIFICATIONS:

LSU48

ITEM	SPECIFICATION	DETAILS		
GENERAL PERFORMANCE	Spacing Criteria	Available Upon Request		
	Color Temperature (CCT)	4000K, 5000K		
	Wattage	20w	30w	50w
	Deliver Lumens	2193-2170	3583-3233	4625-4923
	Efficacy (lm/W)	>107	>103	>97.3
	Standby Lumens*	0-50% Selectable with Occupancy Sensor		
	Color Consistency	Proprietary binning for uniform color		
	Lumen Maintenance (L70)	See below		
ELECTRICAL	Power Factor	Over 0.90		
	Maximun THD	<20%		
	Input Voltage	120-277v; *347v SDT		
	Input Cosum. (tested)	<20.1	<31.5	<48.8
CONTROL	System	0-10v Dimming		
	Linking to external control	20w = 20 Fixtures 30w = 15 Fixtures 50w = 10 Fixtures		
OCCUPANCY MOTION SENSOR	ON/OFF OCC. SENSOR			
	Sensor Load	Max 800W		
	Dimming Levels	NA – 100% on, 0% off		
	Ambient Light Level	NA – Motion activated only		
	Time Delay	Fixed 15 sec. to 30min.		
		PIR		
	Optics	Fixed width lens, with field adjustable sensitivity to reduce beam size		
	Sensor Rating	120-277V / Dry Listed		
PHYSICAL	Operating Temperature	0°C (32°F) to 40°C (104°F), 50-60Hz		
	Dimensions (L x W x H)	48.75" x 6.75" x 2.5"		
	Dimensions w/ Occ Cntrl	53.25" x 6.75" x 2.5"		
	Weight	7 +/- .5 lbs		
	Housing	Steel painted after fab		
	Lens	Acrylic Prismatic		
	Mounting	Ceiling Surface		
CERTIFICATION	Operating Temperature	-4°F to 104°F		
	Certification	UL, FCC, LM79, LM80, DLC		
	Material Usage	RoHS compliant; no mercury		
	Environment	Indoor / Damp		
	Warranty	5 Year		

NOTES:

1. ***Designed for sustainability, Contact MaxLite for any repair or replacement components needed
2. ** Must order with "MSO" suffix to receive occupancy control, factory assembled only, not sold separate
3. * Contact MaxLite for Final LM-79 reports
4. Contact MaxLite for 347v SDT electrical ratings

ORDERING CODE:

ORDER CODE	MODEL NUMBER	DESCRIPTION
73701	LSU4806SU20DV50	LED UTILITY WRAP 4FT X 6.75IN 120-277V 20W 0-10V 5000K
73250	LSU4806SU30DV50	LED UTILITY WRAP 4FT X 6.75IN 120-277V 30W 0-10V 5000K
73258	LSU4806SU30DV50MS	LED UTILITY WRAP 4FT X 6.75IN 120-277V 30W 0-10V 5000K W/ MOTION SENSOR (BI-LEVEL)
73345	LSU4806SU50DV40	LED UTILITY WRAP 4FT X 6.75IN 120-277V 50W 0-10V 4000K
76431	LSU4806SU50DV40EMMS	LED UTILITY WRAP 4FT X 6.75IN 120-277V 50W 0-10V 4000K W/ BBU BI-LVL OCC

Please contact your MaxLite representative to order products that don't have order codes listed here.

DLC QUALIFICATION		
MODEL NUMBER	DIRECT LINEAR AMBIENT LUMINAIRES	STAIRWELL AND PASSAGE LUMINAIRES
LSU4806SU20DV50	X	X
LSU4806SU30DV50	-	-
LSU4806SU30DV50MS	-	X
LSU4806SU50DV40	-	-
LSU4806SU50DV40EMMS	-	-

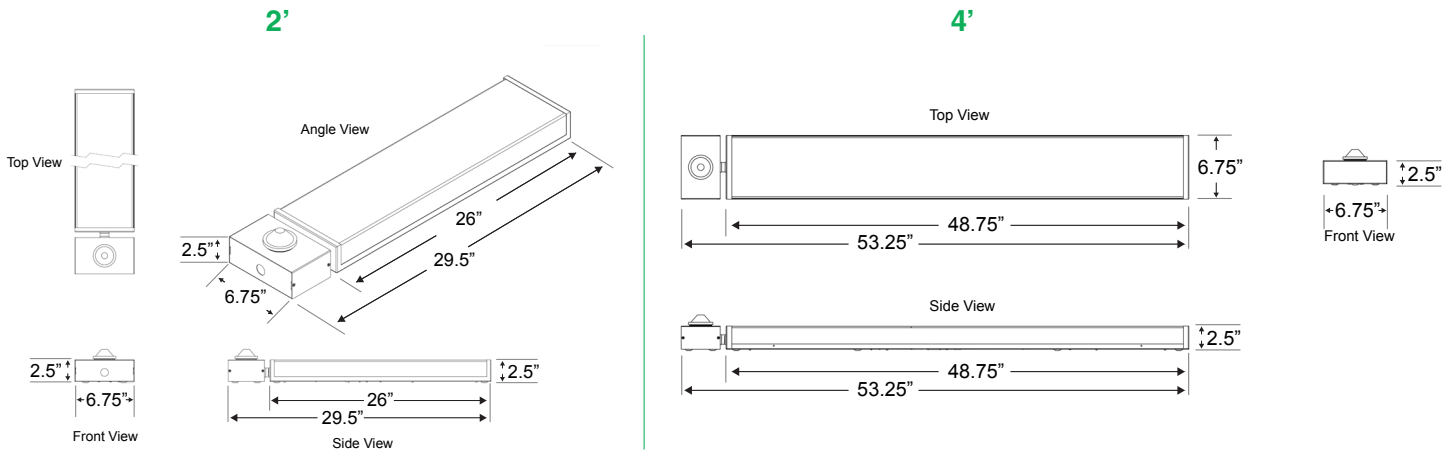
L70 LUMEN MAINTENANCE AT 25°C PER IESNA TM-21-2008	
MODELS	IESNA CALCULATED LIFE
LSU2406SU30XXXX	54,000 Hrs
LSU4806SU20XXXX	76,000 Hrs
LSU4806SU30XXXX	76,000 Hrs
LSU4806SU50XXXX	59,000 Hrs

*Above does not include 347v series calculated life.

COMPATIBLE DIMMERS:

MAKE	DIMMER MODEL
Lutron	NFTV0-10
Leviton	IP710 DL

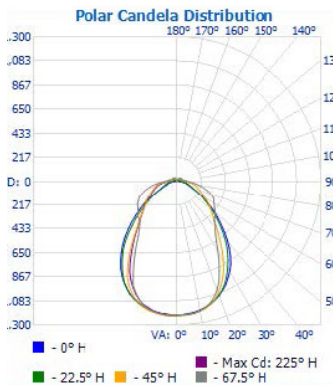
LINE DRAWING:



“MS” version shown for reference

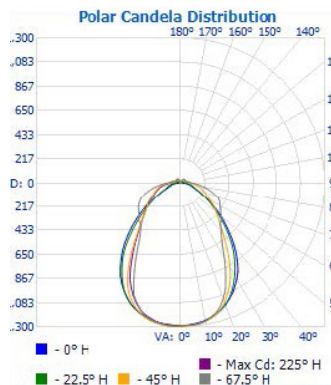
PHOTOMETRICS:

LSU2406SU30DV40



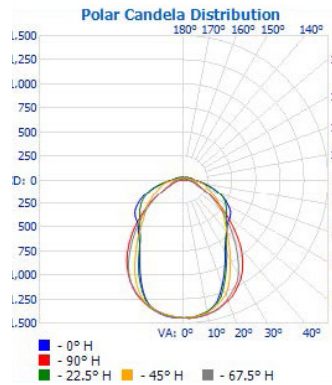
Polar Candela

LSU2406SU30DV50



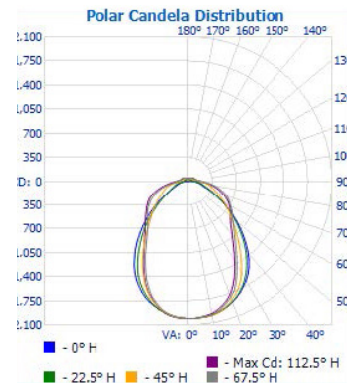
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LSU4806SU30DV50

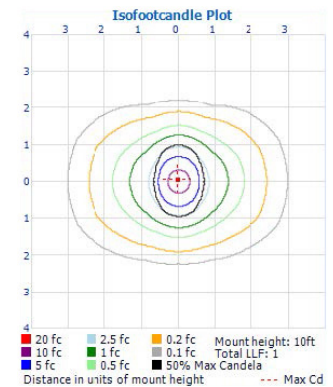


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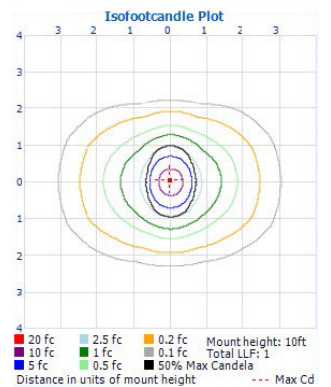
LSU4806SU50DV40



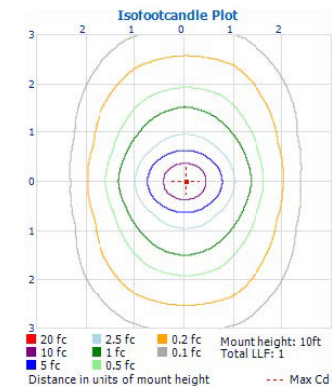
Polar Candela



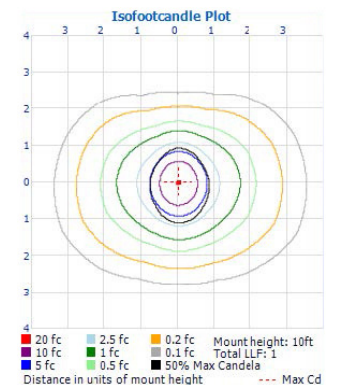
Isofootcandle Plot



Isofootcandle Plot



Isofootcandle Plot



Isofootcandle Plot