

LED LINEAR VAPOR TIGHT LumSURE

The LumSURE LED Linear Vapor-Tight fixture is designed for harsh industrial and commercial applications where durability and performance matter most. Its fully sealed construction prevents moisture, dust, dirt, and insects from entering the fixture, while rugged polycarbonate housing and optional corrosion-resistant stainless-steel clips ensure long-term reliability in demanding environments.

Engineered for efficiency, LumSURE delivers high lumen output with low energy consumption. The diffused lens provides uniform illumination while minimizing glare and hotspots. Adjustable wattage and selectable color temperatures offer the flexibility to meet a wide range of application requirements—from industrial manufacturing and car washes to cold storage, refrigerators, and freezers.

Built to support both new construction and retrofit projects, LumSURE provides exceptional versatility for exterior building and linear applications. Its field-adjustable wattage and CCT make it a smart, stocking-friendly solution for distributors, ESCOs, and national account programs seeking performance, flexibility, and simplified inventory.



FEATURES

CONSTRUCTION

- Polycarbonate body with acetal plastic latches
- Dual rows of LEDs to provide even light distribution
- Quickly separate driver from LED module for easy maintenance.
- Adjustable wattage and color temp via easy access dip switch
- Standard 2KV Surge Protection
- 0-10v Dimming Driver
- 70+ CRI

LISTING

- UL and cUL Listed
- Wet location rating, IP65
- DLC Listed Premium
- 5-Year Warranty

HOUSING

- High impact resistant polycarbonate
- Easy installation with top snap fit mounting brackets

FINISH

- White Finish standard, molded color

LENS

- High Impact Polycarbonate diffused lens
- Type V optics standard

OPTIONS

- Internal microwave occupancy sensor
- Emergency Driver 8 watts
- Corrosion-resistant stainless-steel latches
- Die-cast conduit plug



SPECIFICATIONS

Lumen Package (LM):	Up to 9042 lumens
Wattage Range (W):	30 to 58 watts
Efficacy Range (LPW):	Up to 166 LPW
Product Weight:	5.4LBS(Single) / 32.4LBS(6 pcs)
Carton LBS:	1.9LBS(Inner) / 4.4LBS(Master)

Specialized expertise and focus on ESCOs, national accounts and distributor partnerships
Call 866-458-6372 for assistance.

ORDERING GUIDE



Series	Wattage	CCT	Voltage
LS LumSURE 4 foot	A 30/45/58 watts	A 3000/4000/5000K	U Universal 120-277V
Mounting	Color	Controls-Options	
TM Top Mount	WH White	EM Emergency Battery Back Up MW Microwave Occupancy Sensor SL Stainless Steel Latches DP Die-Cast Conduit Plugs (Qty. 2)	

OPTIONS



Internal Microwave
Occupancy Sensor



8-Watt Emergency
Battery Backup



Corrosion-resistant stainless-steel latches
Can be field installed

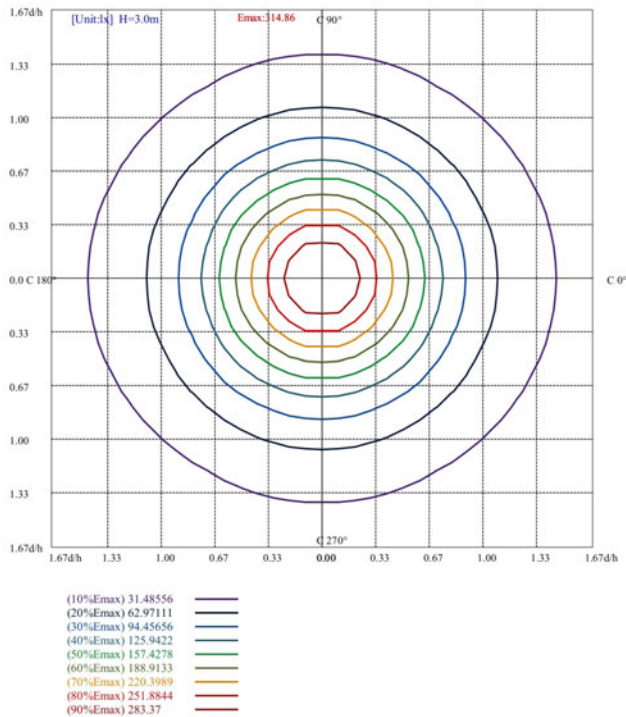


Die-Cast Conduit Plug
2 per fixture, installed

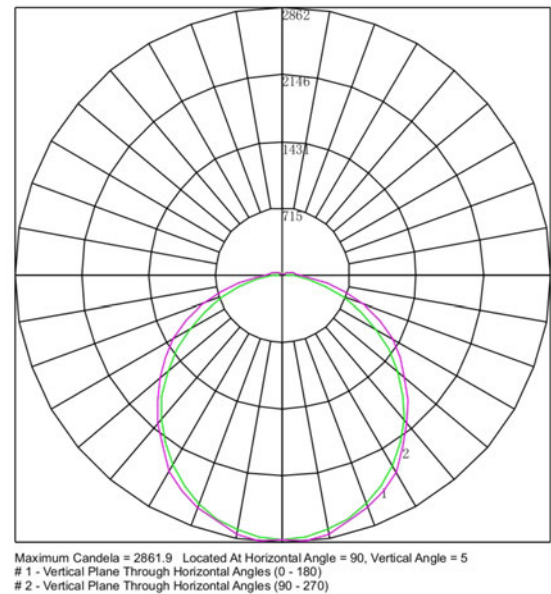
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DISTRIBUTION

ISO illuminance diagram(Lux) of 3000K



Polar Curves of 3000K



PERFORMANCE DATA

Performance Data			3000K					4000K					5000K				
Lumen Package	Distribution	CRI	Delivered Lumens	Efficacy (LPW)	BUG Rating			Delivered Lumens	Efficacy (LPW)	BUG Rating			Delivered Lumens	Efficacy (LPW)	BUG Rating		
					B	U	G			B	U	G			B	U	G
30 watts	Type V	70	4599	153	3	3	2	4988	166	3	3	2	4741	158	3	3	2
45 watts	Type V	70	6898	153	3	3	2	7482	166	3	3	2	7112	158	3	3	2
58 watts	Type V	70	8554	153	3	3	2	9042	166	3	3	2	8902	158	3	3	2

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LUMEN MAINTENANCE TESTING DATA

LUMINAIRE AMBIENT TEMPERATURE FACTOR(LATF)		
Ambient Temp		Lumen Multiplier
(°C)	(°F)	
0°C	32°F	/
10°C	50°F	/
20°C	68°F	/
30°C	77°F	100%
40°C	86°F	98%
50°C	104°F	96%

ELECTRICAL DATA

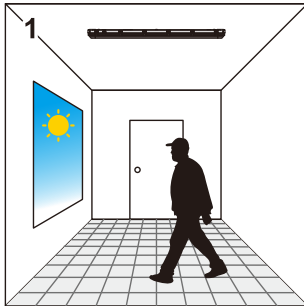
Nominal Wattage	Input Voltage	Current Amps
30 watts	120	0.25
	208	0.14
	240	0.13
	277	0.11
	347	0.09
	480	0.06
45 watts	120	0.38
	208	0.22
	240	0.19
	277	0.16
	347	0.13
	480	0.09
58 watts	120	0.48
	208	0.28
	240	0.24
	277	0.21
	347	0.17
	480	0.12

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MOTION SENSOR INSTRUCTIONS

1. Automatically ON/OFF function

Light on when detect movement and off after people leave at night.



With sufficient daylight, even when motion detected, light remains OFF.



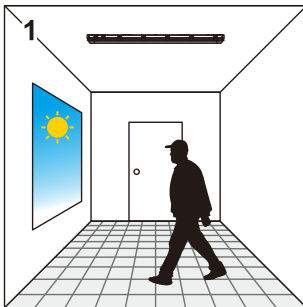
With insufficient daylight, when motion detected, light ON.



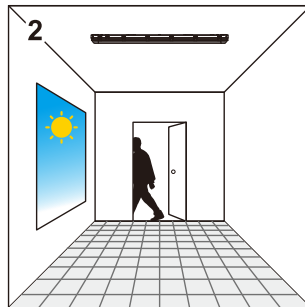
After the last detection and the present hold time elapsed, light OFF.

2. No daylight function

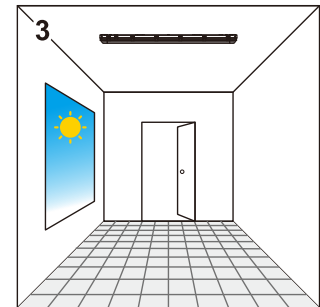
The daylight threshold is set to "Disable". Light on when detect movement, After people leave, Light off after stand-by period.



When motion is detected, the sensor will switch on the light to 100% brightness.



After people leave the detection area, light remains 100% brightness within hold time.



After the last detection and the present hold time elapsed, light OFF.

3. Function Demo - Dimmable control/Corridor function

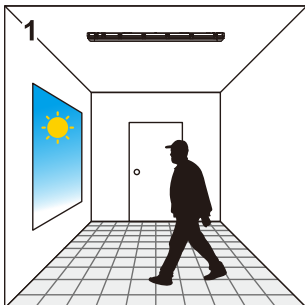


Fig.1: With sufficient daylight, even when motion detected, light remains OFF.



Fig.2: With insufficient daylight, when motion detected, light ON.



Fig.3: After last detection, the light will be dimmed down to the stand-by dimming level (10%,20%,30% or 50%) after holdtime.

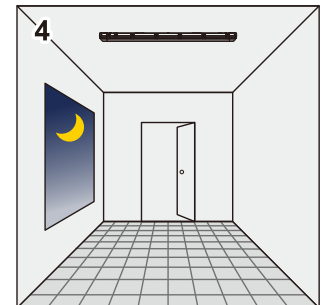
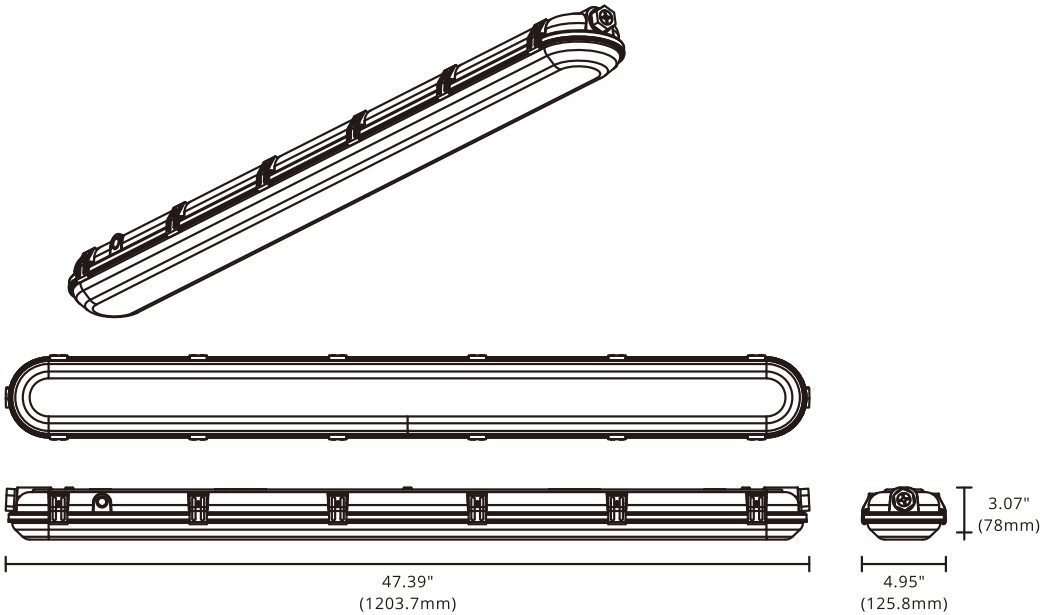


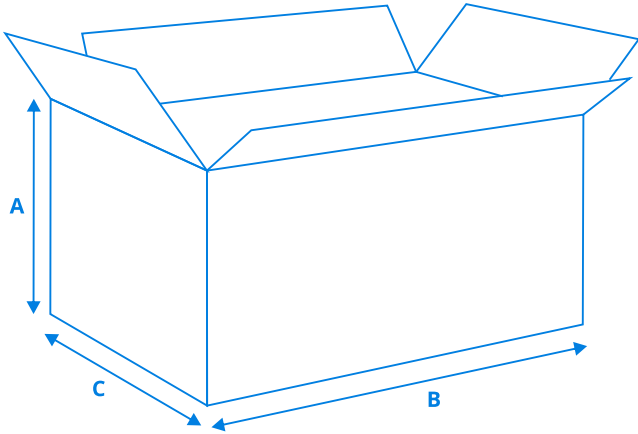
Fig.4: After the stand-by period, light OFF.

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DIMENSIONS



CARTON DIMENSIONS



Weights	Inner Carton				Master Carton				
	Inner Carton Weight LBS	Height A	Width B	Depth C	Carton Pack	Master Carton Weight LBS	Height A	Width B	Depth C
Fixture Size									
58 watts	7.3	5 1/4"	50 1/8"	6 3/4"	6pcs/ctn	36.8	14 3/4"	51"	17"

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