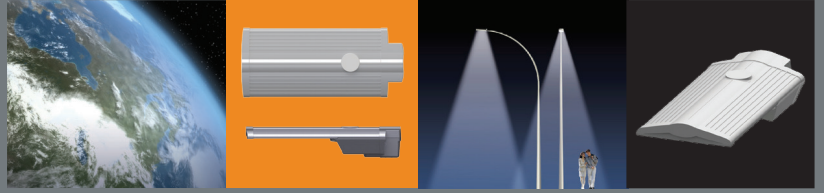




LIGHTING NETWORKS

# Solar LED Street and Area Lights



## Benefits

- Very High ambient 85 °C
- Energy savings from 50 to 73%.
- Long Life.
- Adjustable light beam.
- No Lumen Depreciation
- Reduced light pollution.
- Option to run at half intensity during low traffic hours.
- Greater resistance to shock and vibrations.
- Cold start.
- No audible noise.
- Constant light intensity throughout temperature range and life.
- Low glare.



### High Energy Savings

The Elumen streetlights consume from 50 to 73% less electricity than traditional lamps. This energy conservation is directly related to Light Emitting Diodes technology advancement combined to the innovative way Elumen uses its patent pending LightSpread technology and its high efficiency **OptiDC™** LED drive. Additional savings are generated with the use of our optional automatic mid-night dimming feature.

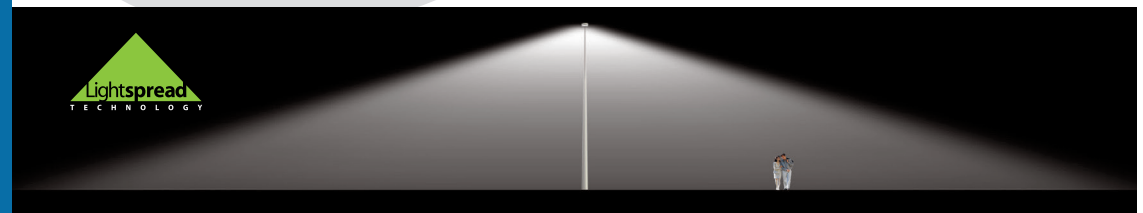
### Reduced Light Pollution

Thanks to Elumen's Lightspread technology, nearly all of the generated light is uniformly distributed over the target area. Light intensity is uniform throughout the field of illumination to a distance of 3 times the height of the lamp, reducing the bright spot typically found under traditional streetlights.

### No Lumen Depreciation

The completely sealed casing of the Elumen Streetlight minimizes light depreciation from dust and pollution. Moreover, the aging compensation algorithm of the **OptiDC™** LED drive ensures a uniform photometric output during the life of the product. (LLF=0.95) No need for overlighting at installation to reach the minimal illumination required in the lifespan of the light .

In street lighting applications, uniformity is more important than absolute intensity. Elumen applies this principle with its lightspread technology, an innovation in regards to light distribution.



## Elumen Lighting Networks

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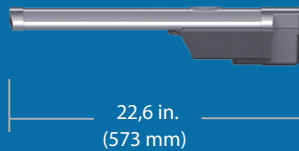
# Technical Data

## Models

LED SL 33W, 50W, 66W, 80W, 100W, 125W, 160W

Weight: 14.7 lbs (6,7 kg)

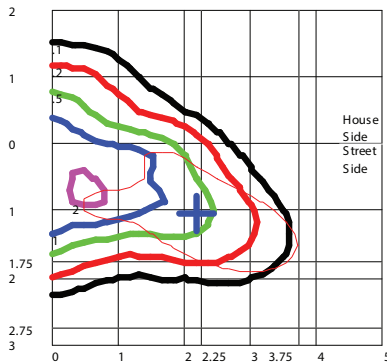
EPA: 0.8 sq. ft.



Mechanical	
Tenon	1.5" to 2 3/8" dia. (38mm to 59mm) ± 5 degrees adjustment
Lens	Acrylic
Casing	Aluminium powder coated
Seal	IP 66
Operating Temperature	-45 °C to 85 °C
Audible noise	0 db
CRI, CCT	70, 5000°K
Vibrations	ANSI C136.31-2001 for bridges
Electrical	
Voltage	12Vdc, 24Vdc
Transients	EN 61000-4-5.
EMI/ESD/Immunity	EN 61000-4-2.
Regulatory Agency	
Canada US	CSA C22.2 No. 250.0-08, UL1598 for wet areas
RoHS	Yes

Light Distribution LED SL-100W Mounting Height 25' (7,62m) - Footcandles

Middle Beam at 100W



	33W	50W	66W	80W	100W	125W	160W
Delivered Lumens (0 degrees adjustment)	4 400	6 600	8 600	10 400	13 100	16 200	20 800
Initial Consumption at 25°C *	33W	50W	66W	80W	100W	125W	160W
Life - Zero Lumen Depreciation	180 000 hours						

\* Consumption reduces 2% for every 10°C of temperature decrease. Power will gradually increase up to 10% to compensate for LED aging.

## Ordering

Luminaire	Serie	Color	Power	Color LED	Distribution	Mounting	Photocell Receptacle	Led Driver	Option
LED-SL	SS	G	100	C	3	TM	N	A	M
	SS=Elumen Solar Streetlight	G= Grey B= Bronze K= Black	33 = 33W 50 = 50W 66 = 66W 80 = 80W 100 = 100W 125 = 125W 160 = 160W	C - White 5,000 K	3 - Type II or III	TM - Horizontal Tenon DM - Direct Mount Square pole DR - Direct Mount Round Pole WM - WallMount KM - Knuckle Mount LB - Low Bay PM - Pendant Mount CM - Cable Mount	N = None R = Yes	C = 10 - 30 Vdc	M = With Midnight Dimming 50% from 11h30pm to 5h30am S = With Motion Sensor Input (50% Dimming when no motion) L = With Linear Dimming Input (30% to 100% intensity) N = No option I = Wireless Remote Control

