

LED Streetlights



Benefits

- Energy savings from 50 to 73%.
- Long Life.
- Adjustable light beam.
- No light pollution, Dark Sky friendly
- 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.
- Tool less replacement of LED drive and LED arrays



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 **OptiAC™** LED drive. Additional savings are generated with the use of our optional automatic mid-night dimming feature.

No Light Pollution

Thanks to Elumen's Lightspread technology, nearly all of the generated light is uniformly distributed over the target area without any loss. Light intensity is uniform throughout the field of illumination to a distance of 2.25 time the height of the lamp, eliminating the bright spot typically found under traditional streetlights.

Longevity

The completely sealed casing of the Elumen Streetlight minimizes light depreciation from dust and pollution. Moreover, the aging compensation algorithm of the **OptiAC™** 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.

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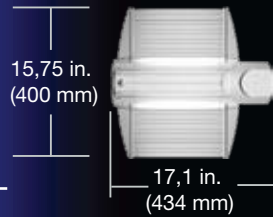


Technical Data

Models

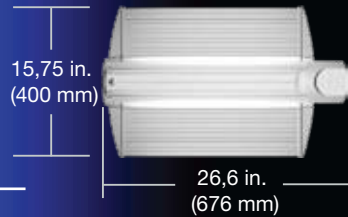
LED SL 33W

Weight: 13.3 lbs (6,0 kg)
EPA: 0.8 sq. ft.



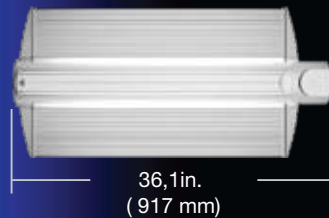
LED SL 66W

Weight: 18.5 lbs (8,4 kg)
EPA: 1.25 sq. ft.



LED SL 100W

Weight: 23.7 lbs (10,8 kg)
EPA: 1.7 sq. ft.



Mechanical

Tenon	1.5" to 2 3/8" dia. (38mm to 59mm) ± 5 degrees adjustment
Lens	Acrylic
Cut-Off	RP8-2000
Casing	Aluminium powder coated
Seal	IP 66
Operating Temperature	-45 °C to 45 °C
Audible noise	0 db
CRI, CCT	75, 5000K
Vibrations	ANSI C136.31-2001 for bridges

Electrical

Voltage	85 to 300 Vac, 50 to 60 Hz, auto-ranging
Power Factor	100W > 0,98, 66W > 0,97, 33W > 0,96
Initial Consumption	101W, 69W, 36W at 15°C
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

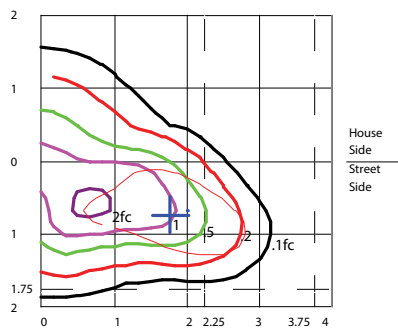


The Elumen SL Streetlights are adjustable.
Six beam widths are used to precisely adjust light distribution.

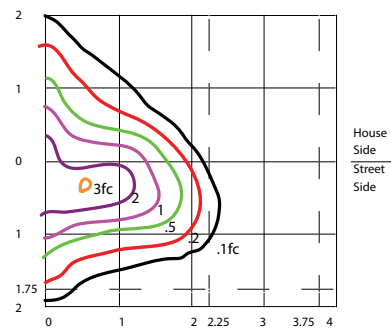


Light Distribution LED SL-100W -Mounting Height 25' (7,62m) - Footcandles

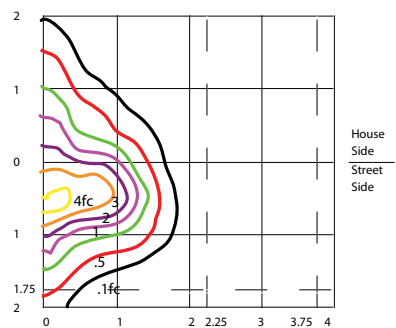
Widest Beam - Wings at 22.5 deg.



Middle Beam - Wings at 13.5 deg.



Narrow Beam - Wings at 4.5 deg.



Ordering

Streetlight	Serie	Type	AC	Color	Distribution	Option	Beam Width (opt.)
LED	SL	100W	A	W	2	MD	22.5
		33W 66W 100W	A = 85 to 300 Vac	W - White 5000K	2 - Type II	MD - Midnight dimming to 50% from 11h30pm -5h30am RP - Receptacle for Photocell	22.5 deg - Widest 3 X MH 18.0 deg - 2.5 X MH 13.5 deg - 2.25 X MH 9.0 deg - 2 X MH 4.5 deg - 1.75 X MH 0.0 deg - 1.5 X MH

