

Benefits

- Very High ambient 85C
 - Energy savings from 50 to 73%.
 - Long Life.
 - Adjustable light beam.
 - Reduced light pollution.
 - Greater resistance to shock and vibrations.
 - Cold start.
 - No audible noise.
 - Low glare.
 - Tool less replacement of LED drive and LED arrays
- Optional:
Remote control of light intensity



High Energy Savings

The **Rayonled** street lights 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 **Rayonled** 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.

Reduced Light Pollution

Thanks to **Rayonled'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 sports lights.

No Lumen Depreciation

The completely sealed casing of the **Rayonled** Sports light 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 sport lighting applications, uniformity is more important than absolute intensity. **Rayonled** applies this principle with its lightsread technology, an innovation in regards to light distribution.

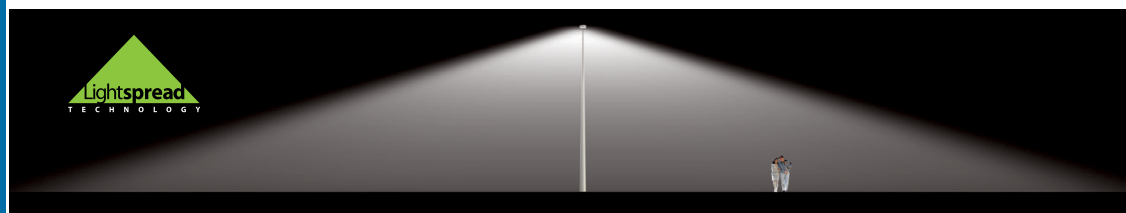
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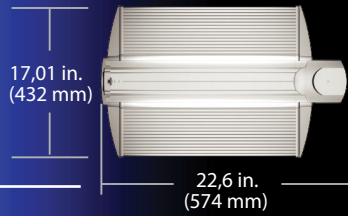
Technical Data

Models

LED SL 100W, 125W, 160W

Weight: 16.5 lbs (7,5 kg)

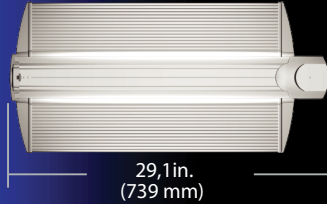
EPA: 1.05 sq. ft.



LED SL 170W, 200W, 250W, 325W

Weight: 19.7 lbs (8,9 kg)

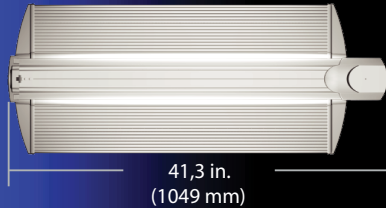
EPA: 1.3 sq. ft.



LED SL 400W, 500W

Weight: 25.3 lbs (11,5 kg)

EPA: 1.6 sq. ft.



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



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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, 3000K - 5000K
Vibrations	ANSI C136.31-2001 for bridges

Electrical

Voltage	100 to 300 Vac, 50 to 60 Hz 347 Vac - 480 Vac 50 to 60 Hz
Power Factor	0.96 to 0.99
Transients	EN 61000-4-5.
EMI/ESD/Immunity	EN 61000-4-2.

Regulatory Agency

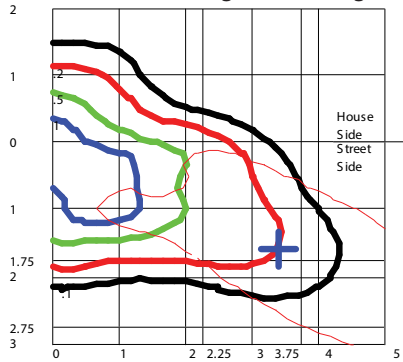
Canada US	CSA C22.2 No. 250.0-08, UL1598 for wet areas
RoHS	Yes

	100W	125W	160W	170W	210W	250W	325W	400W	500W
Delivered Lumens (0 degrees adjustment)	14 200	17 900	21 615	24 600	28 003	31 319	39 750	58 000	72 000
Initial Consumption at 25°C *	105W	130W	165W	170W	213W	238W	310W	400W	500W

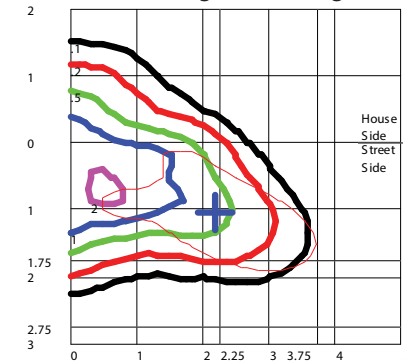
* Consumption reduces 2% for every 10°C of temperature decrease.

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

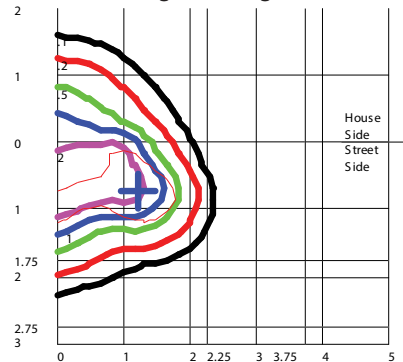
Widest Beam - Wings at 22.5 deg.



Middle Beam - Wings at 13.5 deg.



Narrow Beam - Wings at 0 deg.



Ordering

Luminaire	Serie	Color	Power	Color LED	Distribution	Mounting	Photocell Receptacle	Wing Angle	Led Driver	Option
LED-SL	SE	G	100	C	3	TM	N	1	A	M
	SE=Elumen Sports	G= Grey B= Bronze K= Black	100W=100 125W=125 160W=160 200W=200 250W=250 325W=325 400W=400 500W=500	C - White 5,000 K CRI>70	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	6= 22.5° - 7.5X MH 5= 18.0° - 7 X MH 4= 13.5° - 6 X MH 3= 9.0° - 5 X MH 2= 4.5° - 4.5 X MH 1= 0.0° - 4 X MH	A= 100 - 300 Vac B= 347 - 480 Vac	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