

Benefits

- Very High ambient 85 °C
 - Energy savings from 50 to 73%.
 - Long Life.
 - 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.
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- Optional:
Remote control of light intensity



High Energy Savings

The **Rayonled** 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 **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 streetlights.

No Lumen Depreciation

The completely sealed casing of the **Rayonled** 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 .

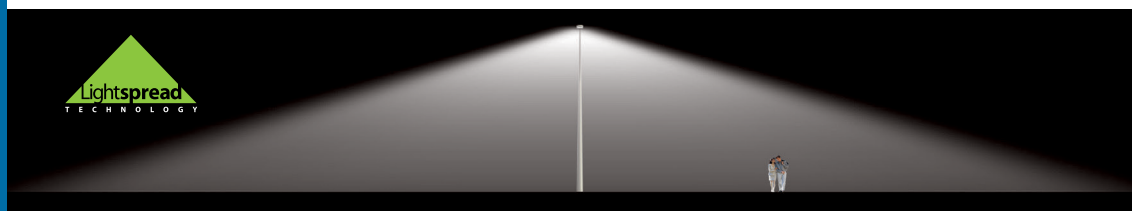
In street lighting applications, uniformity is more important than absolute intensity. **Rayonled** applies this principle with its lightspread technology, an innovation in regards to light distribution.

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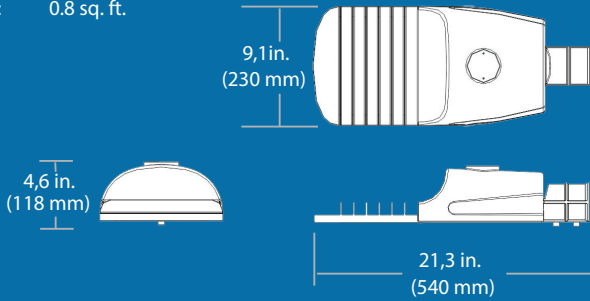
www.rayonled.com



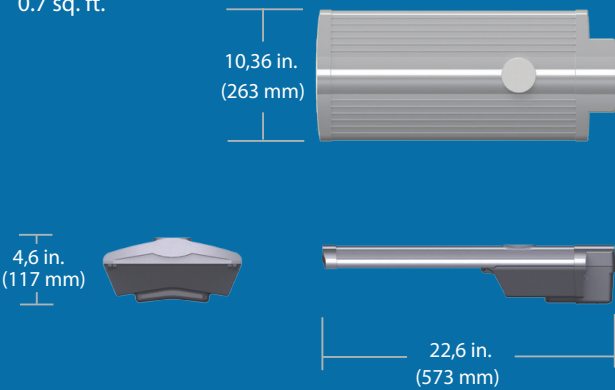
Technical Data

Models

LED SL 33W, 50W, 66W, 75W, 80W
 Weight: 10.6 lbs (4,8 kg)
 EPA: 0.8 sq. ft.



LED SL 100W, 125W, 160W
 Weight: 14.7 lbs (6.7 kg)
 EPA: 0.7 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

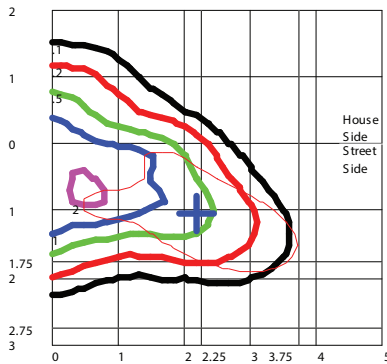
Electrical	
Voltage	85 to 300 Vac, 50 to 60 Hz 347 Vac, 480Vac 50 to 60 Hz
Power Factor	0.96 to 0.99
Transients	EN 61000-4-5.
EMI/ESD/Immunity	EN 61000-4-2.

Regulatory Agency	
Canada US	CSA C22.2 No. 250.0-08, UL 1598 for wet areas
RoHS	Yes



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

Middle Beam at 100W



	33W	50W	66W	85W	100W	125W	160W
Delivered Lumens (0 degrees adjustment)	4 400	6 600	8 750	11 161	13 100	16 200	17 776
Initial Consumption at 25°C *	33W	50W	66W	85W	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	SM	G	125	I	5	TM	R	A	N
	SM	G= Grey B= Bronze K= Black	33 = 33W 50 = 50W 66 = 66W 75 = 75W 85 = 85W 100 = 100W 125 = 125W 160 = 160W	C - 5000K D - 4500K E - 4000K F - 3500K G - 3000K H - 2700K I - 2250K A - Amber	2 - Type II 3 - Type III 5 - Type V	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	A = 100 Vac - 300 Vac B = 200 Vac - 380 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