



CSS-LED, Inc.



LED comes in a WHITER SHADE of PALE CSS-LED STREET LIGHT 60w ~ HUGE ENERGY SAVINGS.!



Color Temperature (CCT)

Color	Kelvin
♦ Warm White	2700 ~ 3500 ~ WW
♦ Pure White	3500 ~ 4500 ~ PW
♦ Cool white	4500 ~ 7000 ~ CW

REPLACE METAL HALIDE BULBS

NO MAINTENANCE ~ NO HASSLES

♦ Now available ~ in stock

Product CSS-SPL60 ~ Exterior Framework Dimensions:



SEE

LED SOLAR STREET LIGHT

215 GENESEE ST. BUFFALO, NY

♦ SEE ENERGY AUDIT & PAYBACK ♦

Product Features:

1. Bulb Type: High Power SPL30 x 2 EMBEDDED MOGUL BASE LED BULB ~ LIGHT SOURCE: 60 watts
2. FACE Type: SHOEBOX ~ RIBBED ALUMINUM HOUSE ~ **INSTANT START, SHOCK/VIBRATION RESISTANT**
3. **Input voltage: 85v ~ 300v AC also available in 12v DC & 24v DC (works WORLDWIDE)**
4. Light Output (LUMENS: 120LM ~ High Power 60w **(SOLAR POWERED MODELS also available)**
5. Overall Dimensions: Length approx 24" in x 18" in including base ~ NET WEIGHT: 6.85kg (approx 15 lbs)
6. Beam Angle: 140° Degrees ~ CRI: 80 ~ SAFETY GRADE: IP54 ~ AMBIENT TEMP.: 20 ~ 45° C
7. Replaces 275w METAL HALIDE or 320w PULSE START SHOEBOX ~ **LED Life: 70,000 hrs ~ min 5 YRS**
8. **Suitable for use: Indoor/Outdoor, PARKING LOTS, STREETS, MALLS, OFFICE/Hotels, SHOWROOMS.**
Will replace HALOGEN Light Bulb specifications: 275W or 320W PULSE START SHOEBOX
9. COLORS: PW, CW & W White (2700~7000k), AUTOMATIC TEMP CONTROL ~ UNIQUE HEAT SINK DESIGN
10. **NO Ultra-violet or IR RADIATION ~ NO MERCURY~ NO NOISE ~ ENVIROMENTALLY SAFE**
11. SAFETY ASSURANCE: WORLDWIDE FCC, CE & ROHS ~ UL listing pending



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◆ EXISTING METAL HALIDE & HIGH PRESSURE SODIUM LAMPS ◆

BULB TYPE	WATTAGE	QUANTITY	HOURS ON	DAYS OPEN	KWH COST
METALHALIDE/HP SODIUM	275w/320w	1000 SHOEBOXES	Min 16 hrs	min 365 days	0.13c
Annual ENERGY COST		for 275w =	\$ 208,780.00	for 320w =	\$ 242,944.00
STANDARD LAMP TEMP	4100k	LAMP LIFE	KWH	5000 hrs	
Maintenance Fixture per year		\$503.78		Annual Op COSTS	\$ 208,210.00
Total Operating COSTS 5yrs		\$ 2,518,900.00		LAMPS REPLACE	4.7 TIMES

Estimated actual cost for replacement for a SHOEBOX fixture @ \$299.75 and \$1.50 hrs labor @ 42.00/hr including benefits

◆ PROPOSED CSS-LED STREET LIGHT (to TRADITIONAL SHOEBOXES) ◆

BULB TYPE	WATTAGE	QUANTITY	HOURS ON	DAYS OPEN	KWH COST
CSS-LED STREET LIGHT	60w	1000 FIXTURES	Min 16 hrs	min 365 days	0.13c
CSS-LED LAMP COST	app. \$750.00		For 120w	Approx. \$1440.00	
Annual ENERGY COST		for 60w =	\$ 45,552.00 ☺	for 120w =	\$ 91104.00 ☺
LED LAMP TEMP	7000k	LAMP LIFE	KWH	70,000 hrs	
Maintenance Lamp per year		\$ 0.00 ☺		Not Required	5 year Warranty
		AND		± 10 years	Life expectancy
Total Operating COST 5yr		\$ 122,952.50 ☺	@ 50%	LAMP LIFE	
Initial PAYBACK PERIOD		19 MONTHS			
5 Yr PROJECTED SAVINGS		\$ 1,958,794.10 ☺			
5 YEAR LABOR SAVINGS		\$ 391,950.00 ☺	① assuming	No KWH cost	INCREASES
LED PAR38 LAMP is	RATED at	70,000 hours, but	ONLY 50k	Hours were used	to calculate COSTS
TOTAL LIFETIME SAVINGS	1000 LAMP	\$ 3,063,124.10 ☺			
② assuming No KWH cost	INCREASES			All costing/pricing	Is subject to change

The DOE & NYSERTA are being pressured to offer rebates to all individuals/Corporations that migrate to the LED arena in 2009/2010

◆ SEE ENERGY AUDIT & PAYBACK ABOVE ◆



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NO BALLAST ~ HI-POWER LEDs



www.CSS-LED.com



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LED SOLAR STREET LIGHT

ITEM/DESCRIPTION NO.	CSS-SPL-60
LIGHT SOURCE	1W HIGH POWER LED
LED TOTAL POWER	60 watt
LAMP TOTAL POWER	REPLACES EITHER 275 watt METAL HALIDE OR 320 watt PULSE START SHOEBOX
POWER EFFICIENCY	85%
LED LUMINOUS EFFICIENCY	≥ 80 lm/watt
LED INITIAL FLUX	4800 lm (Tj=25°C)
LAMP'S EFFICIENCY	>90%
AVERAGE ILLUMINATION.....6m HEIGHT	20m x 8m ≥ 26 LUX
AND EFFECTIVE.....8m HEIGHT	26m x 10m ≥ 15 LUX
ILLUMINATED AREA.....10m HEIGHT	33m x 13m ≥ 9 LUX
.....12m HEIGHT	40m x 16m ≥ 6 LUX
COLOR INDEX (CRI)	Ra>75
COLOR TEMPERATURE (CCT)	WARM WHITE 2700 ~ 3500K
COLOR TEMPERATURE (CCT)	PURE WHITE 3500 ~ 4500K
COLOR TEMPERATURE (CCT)	COOL WHITE 4500 ~ 7000K
BEAM ANGLE	THE HORIZONTAL AXIS: 120° & THE VERTICAL AXIS: 60° DEGREES
LIGHT DISTRIBUTION CURVE (BEAM PATTERN)	ASYMETRIC (BAT WING)/RECTANGULAR BEAM
INPUT VOLTAGE	85-300 VAC / 12V DC / 24V DC (ALL MODELS AVAILABLE AT TIME OF ORDER)
FREQUENCY RANGE	47—63 Hz
POWER FACTOR (PF)	>0.9
TOTAL HARMONIC DISTORTION (THD)	<20%
STORAGE TEMPERATURE	-40°C - 80°C
WORKING ENVIRONMENT	-40°C - 50°C; 10% - 90% RH
JUNCTION TEMPERATURE (Tj)	60°C ± 10% (ta = 25°C)
LIGHT BODY AND LAMPSHADE MATERIAL	ALUMINUM ALLOY & RECYCLED POLYCARB
WORKING LIFETIME	> 70,000 HOURS
IP RATING	IP65
NET WEIGHT	6.9 kg (approx 15 lbs)