

Seevision Technologies Inc.

Making America Greener One Light At A Time

LED FLOOD LIGHT PRODUCTS

28 WATT E40 LED LAMP



SVT-90SP-28W

APPLICATIONS

Direct replacement of standard E40 screw-in type metal halide, sodium and mercury flood lamps up to 150 Watts. Requires no ballast.

Interior & Exterior Large Area Flood Lighting

Street / Sidewalk / Pathway / Parking Lot & Garage Lighting

Warehouse / Airport / Marina / School & Gas Station Lighting

Residential & Commercial Building Exterior Security & Common Area Lighting

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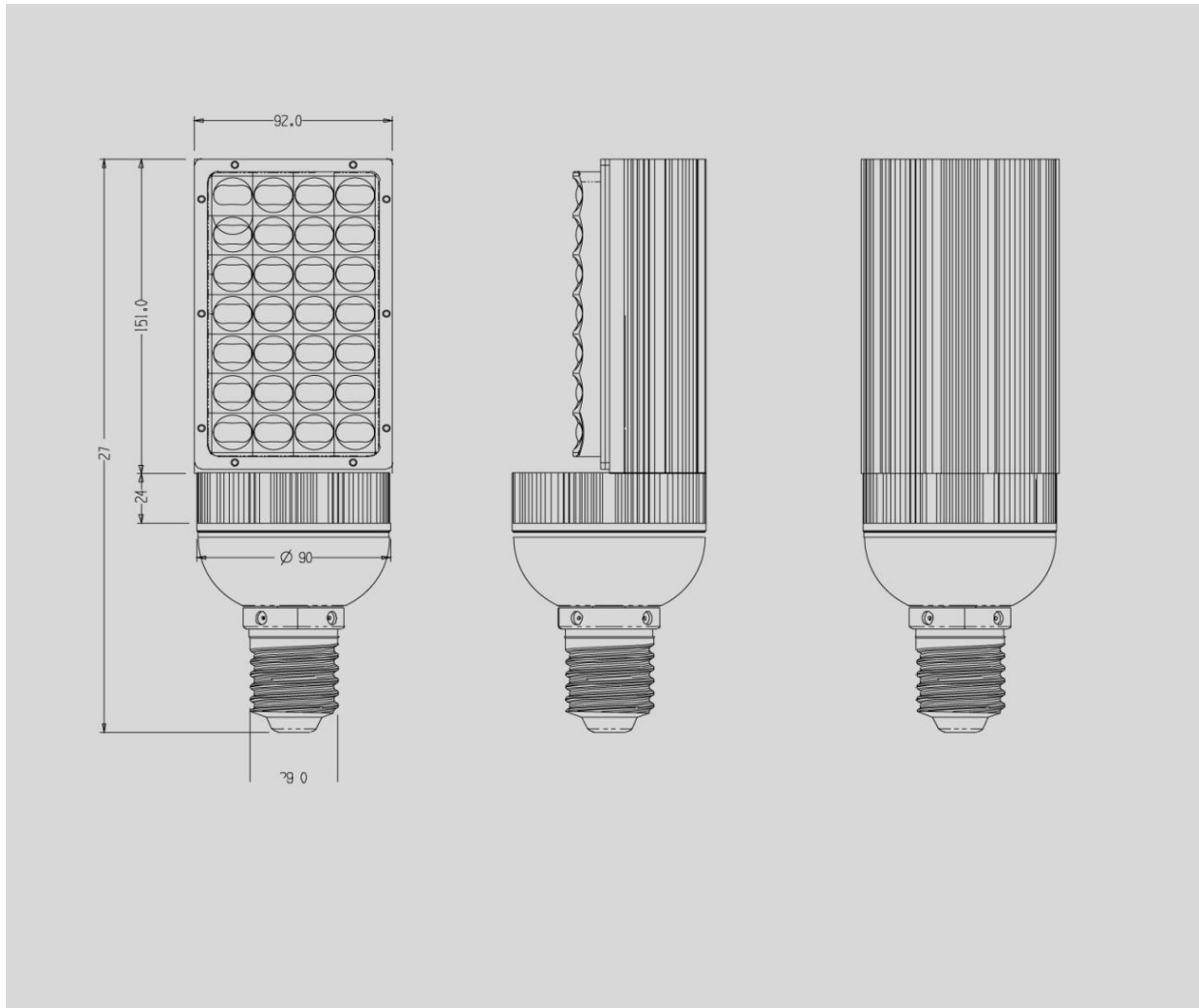
FEATURES & BENEFITS

Lighting Energy Cost Savings	Energy consumption up to 80% less than standard metal halide, sodium & mercury flood lamps.
	Requires no ballast; significantly reducing total energy consumption used per fixture.
Replacement Lamp & Labor Cost Savings	Life duration is over 50,000 Hours; 5-10X longer than standard metal halide, HPS & mercury flood lamps.
Replacement Ballast & Labor Cost Savings	Requires no ballast; completely eliminating all replacement ballast & labor costs.
Quick & Easy Plug & Power Installation	Installs directly into existing fixtures using the standard E40 Mogul screw in type lamp base.
	Lamp holder rotates 360° providing the ability to position the lamp for ideal beam direction.
Durable & Safe Lamp Design	Impact resistant & shock-proof design; no fragile glass for improved safety & durability.
Integrated Radiator & Lampholder Design	Protects LED life duration by dissapating heat away from the light source components.
Integrated Lens & Lampshade Design	Array lens play a protective and spot light role; avoiding wasteful duplication and loss of light.
Revolutionary Dedicated Optical System	Rectangular beam focusing lens ensures an ideal uniformity of brightness on surface area.
Eliminate Adverse Glare & Light Pollution	Controlled light distribution eliminates the glare and visual fatigue sight interference common with traditional flood lights.
Low Voltage Operation	Eliminates lampshade dust absorbtion and reduced brightness caused by high voltage.
Low Temperature Operation	Eliminates lampshade discoloration and reduced life duration & brightness casued by heat.
Instant Brightness Start Up Without Delay	Reaches normal brightness as soon as power is applied; eliminating long start up delays of traditional high output flood lamps.
Bright & Clean Light Emittance	High color rendering index; up to 10X the brightness per watt of standard flood lamps.
Intelligent Current Control	Each LED module has the ability to monitor and adjust to achieve a precise constant current.
Universal Input Voltage	85-264V AC full voltage range constant with precision constant current PWM technology.
Compatible Integration With Solar Energy Solutions	Achieve best cost savings by combining low voltage LED lamps with solar energy solutions.
Environmentally Safe & Recyclable	Contains no harmful gases, mercury, sodium, lead or UV radiation (100% recyclable).
Green Rebates & Incentives	Qualifies for many Federal, State, Local Government & Utility based rebates & incentives.

TECHNICAL SPECIFICATIONS

LED Power Consumption	28 Watts			
Power Supply Consumption	7 Watts			
Input Voltage	85-265V AC			
Frequency Range	47 ~ 63 Hz			
Power Factor	>0.9			
Total Harmonic Distortion	<20%			
Power Efficiency	83%			
Working Voltage	24V DC			
LED Luminous Efficiency	≥80 lm/w			
LED Initial Flux	2,500 lm (T _j =25°C)			
LED Maintain Flux	2,300 lm (T _j =70°C, T _a =25°C)			
Lamp Output Flux	2,100 lm (T _j =70°C, T _a =25°C)			
Lamp Efficiency (%)	>90%			
Illumination (E) HPS Equivalent Effective Illuminated Area	HEIGHT	LED LUX	HPS LUX	ILLUMINATED AREA
	6m	≥13	33	20m x 8m
	8m	≥7.5	19	26m x 10m
	10m	≥4.5	11	33m x 13m
	12m	≥3	7.5	40m x 16m
Emission Color	Pure White			5000K - 7000K
	Warm White			3000K - 4000K
Color Rendering Index (CRI)	Ra>75			
Light Source	LED Emitter (1 Watt)			
Light Distribution Curve/Pattern	Asymmetric (Bat Wing)			
	Rectangular Beam			
Light Beam Angle	Horizontal Axis			120° Beam
	Vertical Axis			60° Beam
Highest Light Intensity Angle	Horizontal Axis			110° Beam
	Vertical Axis			45° Beam
Junction Temperature (T _j)	70° C ± 10% (T _a = 25° C)			
System Resistance (R _{ja})	1.4° C / W			
Working Temperature	- 30° C ~ 40° C			
Working Humidity	10% ~ 90% RH			
Storage Temperature	10° C ~ 85° C			
Life Duration	50,000 Hours			
Base Type	Standard E40 Mogul Edison Screw-In Type			
Materials: Body & Lampshade	Aluminum Alloy / PC			
IP Rating	IP 60			
Net Weight	1 kg (2.2 lbs)			
Dimensions (W x H)	90mm x 275mm (3.6" x 11")			
Certifications	CE, RoHS, UL			

DIMENSIONS



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