

Visual Comparison of LED Street Lamps Vs Standard Street Lamps

24.61ft pole height 250W Metal Halide Lamp

Rear 13.1ft pole height 250W Metal Halide Lamp
(Helped increase ground illumination)

24.61 ft pole height LED Street
Light SVT-SLLU4112W

250W Metal Halide Lamp

Lamp Power is 250Watts, Lamp Ballast is 60watts
Actual Total power used is 310Watts

Observation

- 1) The brightness of the Metal Halide is significantly lower than the 132W LED street light
- 2) The highest intensity of the lamp is 34Lux, the average intensity was 15Lux. If the other 250W Metal Halide lamp became inactive the brightness of the lamp would be much lower.
- 3) At 24.61 ft in height, the beam pattern is approximately 18mX9m in a oval shape and very fuzzy.
- 4) The illumination is not very uniform. The center of the beam is very high and the edges are low, which does not conform to the road lighting extension.

LED Street Lamp SVT-SLLU4112W Actual Total Power 132W

- 1) Notice the brightness is significantly higher than the next Metal Halide lamp.
- 2) The highest light intensity is 40 LUX, the average is 30 LUX.
- 3) When the lamp height is at 26.25 ft, the beam pattern is 26m X 10m rectangular and very clear.
- 4) The brightness shows uniformity between the center and outer edges.
- 5) The LED lamp fully conforms to the road lighting extension.

In conclusion, we believe our 132W LED street lamp can save over 60% energy over the 250W Metal Halide lamp.
The average brightness is more than double.
Under the same brightness level it can save 80% energy over the Metal Halide lamp