

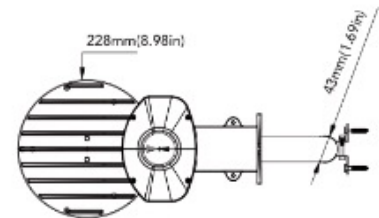
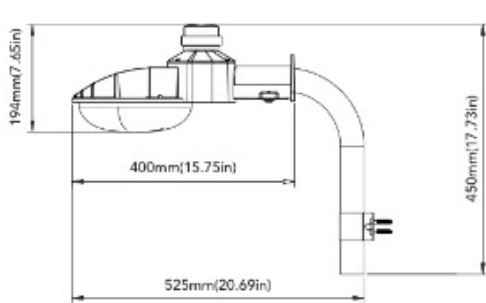
Product Description

- Suitable for wet location or outdoor
- Consumes 45W to replace 100W Metal Halide light
- Outstanding thermal solution allows for usage in commercial application
- Built-in UL class 2 driver, optional for photocell
- UL/cUL listed and DLC qualified
- Limited 3 years warranty (please see our website for more details)
- Ideal use for backyards, service roads and effective for security and perimeter lighting



Optical Parameter

Product Dimension
Unit: mm/inch



Product Details

Ordering Code	Input Voltage(VAC)	Shell Material	Wattage (W)	CCT	Beam Angle	Lumens (lm)	Rated Life(hrs.)	CRI	Power Factor	Equivalency	Certificate
ST45W27V 50KSGP0	120-277V	Aluminum& PC	45W	5000	110°	4500	50,000	70	0.9	100W	UL/cUL, DLC

Energy Efficiency

	Estimated Lighting Costs Using a Standard 100W Metal Halide Light	Estimated Lighting Costs Using a Yigeda 45W Dusk to Dawn Light
Present Wattage	100W	45W
x Annual Operating Hours	3650 hrs	3650 hrs
	= 365,000 Watts per year	= 164,250 Watts per year
÷ 1,000	= 365 kWh per year	= 164.25 kWh per year
x kWh rate (\$0.10)	= \$36.5 per year	= \$16.43 per year
x 100 lamps per space	= \$3,650 annual energy cost per space	= \$1,643 annual energy cost per space
Total Estimated Annual Energy Cost Saving Per Year	= \$2,007	

This energy saving example shows an application of 100 lamps in a space currently using a 100W Metal Halide Light and Yigeda LED 45W Dusk to Dawn Light, operating 3,650 hours per year (10 hours per day) at a cost of \$0.10 per kWh.