

**Stonco**

**SYTEPRO**  
AREA LIGHTING

## SP Series

**High Performance Optics**  
**Meets IES Cutoff Requirements**  
**Multiple Mounting Systems**

The Next Generation of  
**Architectural Site Lighting**

**ContractorSolutions**



# An Area Lighting System

## Designed for the Needs of Today

**The SytePro** is the solution to today's growing concern over light pollution. Stonco designed the SytePro Series to satisfy the growing need of lighting designers to meet Dark Sky and light trespass issues.

The SytePro has many advantages over traditional area luminaires. It's available in either a vertical lamp configuration for maximum area coverage or horizontal configuration for optimal lighting control. The precision-formed reflectors offer IES Type II, Type III, Type IV and Type V distribution patterns for precise light placement.

Lighting designers are offered complete flexibility for adapting to a variety of lighting conditions with SytePro. Wattages range from 250 to 1,000 watts. The reflector is field rotatable in 90° increments allowing distribution in any direction. The SytePro has multiple mounting options allowing it to adapt quickly in new and retro applications.



# Meets Dark Sky Requirements

## Requirements

Light pollution has increased dramatically in recent years, and new legislation is aimed at eliminating light trespass on adjacent properties, preventing unnecessary pedestrian glare and reducing glow in the evening skies.

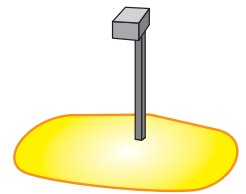
The SytePro is designed to meet Dark Sky requirements. Its computer-optimized optical system controls and distributes light precisely, maximizing surface illumination and minimizing the number of fixtures required. The greater optical efficiency of the SytePro also reduces energy requirements resulting in a lower operating cost.

## IES Beam Pattern Definitions



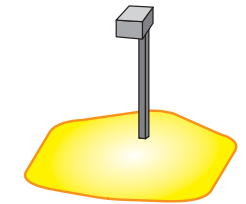
### Type II

An asymmetrical wide lateral pattern best suited for roadways and narrow site lighting areas such as walkways. Type II allows maximum spacing between poles. Type II distribution is only available on 400w MH and below with horizontal lamp configuration.



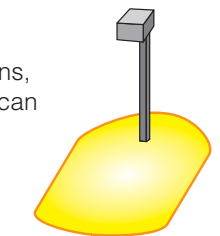
### Type III

An asymmetrical pattern ideal for general site lighting because it produces both lateral and forward light throw. Type III allows lighting along the perimeter with maximum pole spacing.



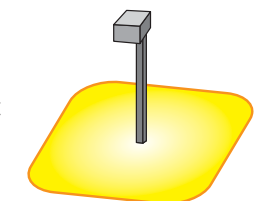
### Type IV

Designed specifically for perimeter applications, Type IV has a forward throw light pattern that can be equipped with house-side shields for maximum lighting control.



### Type V

Designed for lighting from the center out, the Type V produces a square pattern that is best suited for large areas such as parking lots.



# Features & Benefits

## That Make These Fixtures LAST



### Rotatable Optical Module

SytePro reflector assemblies are field rotatable in 90° increments allowing orientation of distributions in any direction. Luminaires and poles maintain consistent alignment while optical systems are aimed in various directions, preserving architectural symmetry.

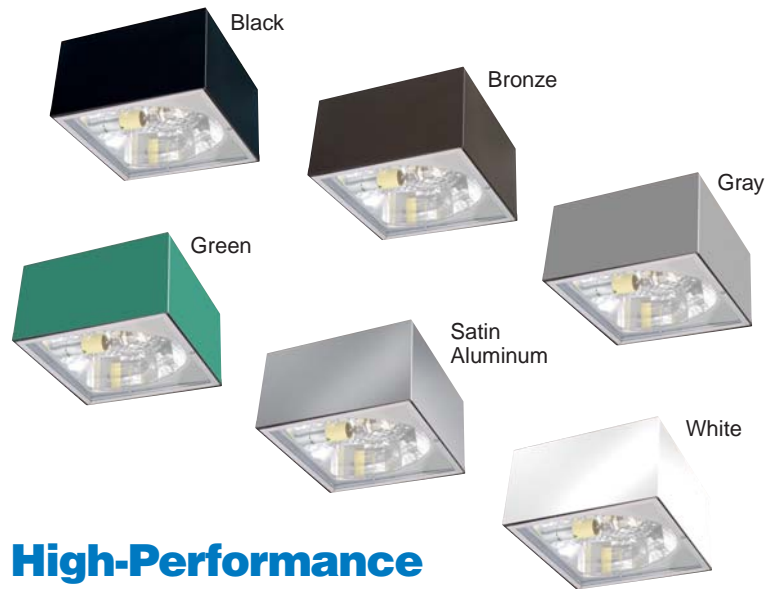


### Heavy-Duty Housing

Formed heavy-gauge aluminum sheet metal housing resists distortion.

### Powder Coat Finish

DuraPlex II polyester powder electrostatically applied and oven cured to ensure extreme durability and high quality appearance. Six standard colors are available.



### High-Performance Hydroformed Optics

Stonco reflector designs offer high luminaire efficiencies and more effective light distribution patterns. All SytePro multi-faceted hydroformed reflectors are precision formed using premium grade materials. Each is computer-optimized and balanced for precise light distribution, offering uniform performance for the life of the product.

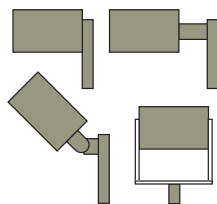


### Meets IESNA Cutoff Classification

The SytePro family of architectural area luminaires meets IESNA lighting cutoff requirements for Semi-Cutoff, Cutoff and Full Cutoff. Stonco designed its optical system to produce the maximum candlepower required, while ensuring light trespass, glare and evening glow are brought under control.

### Multiple Mounting Configurations

Options include surface, pole, arm, tenon, yoke and post top.

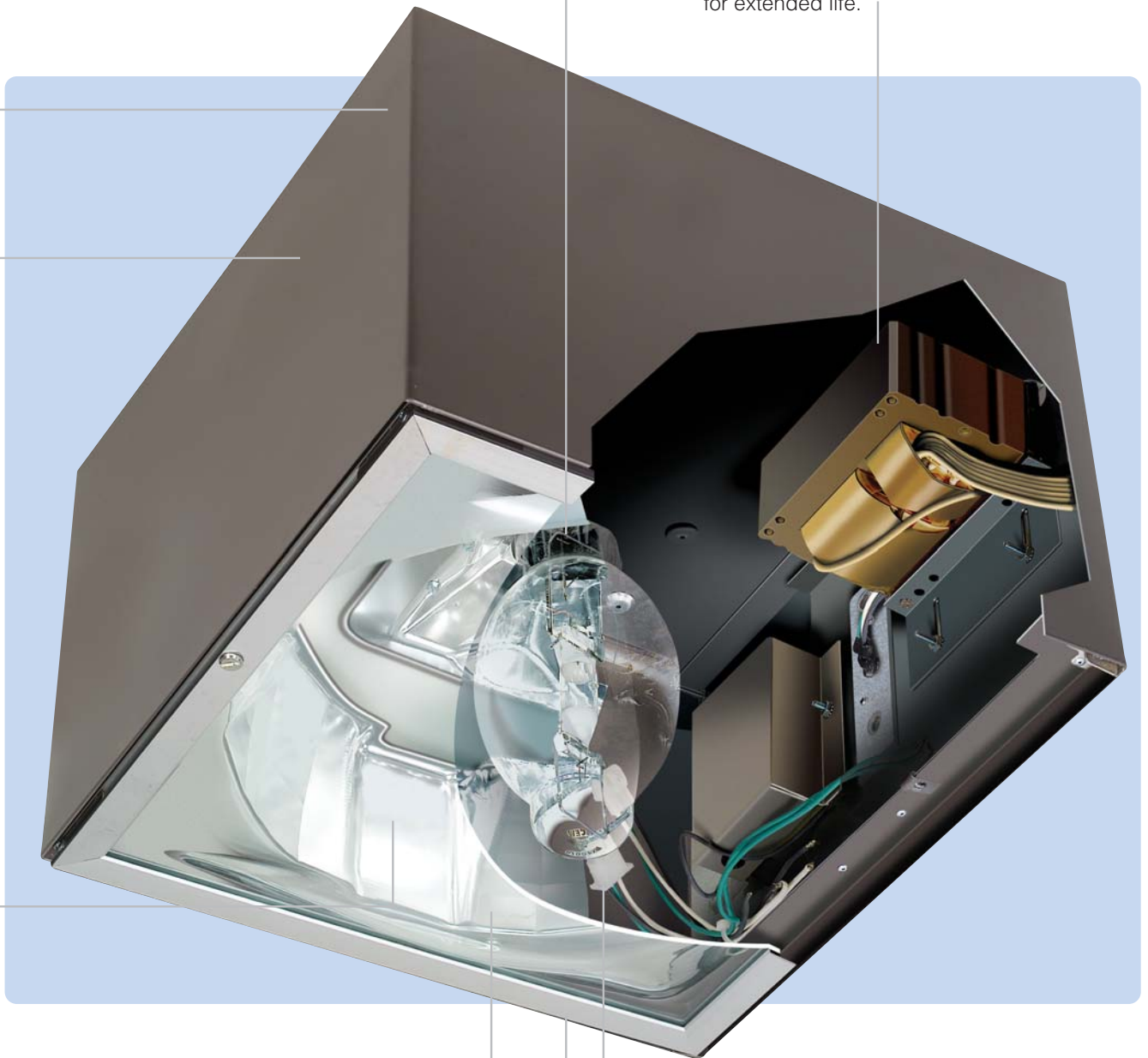


## Durable Socket

Porcelain 4KV pulse rated, grip-type mogul based socket. Horizontal lamp units equipped with position-oriented sockets.

## Ballast with Integral Heat Sink

High power factor ballast delivers reliable operation coupled with effective heat removal for extended life.



## Tempered Glass Lens

Tempered flat or sag glass lens withstands thermal and physical shock.

## Easy Lamp Access

Rigid anodized aluminum door frame extrusion is hinged and gasketed for leak-resistant seal.

## Quick-Release Connectors

Snap connectors assist in fast component replacement.

# Ordering Logic

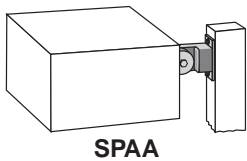
SP	H	4	400	MA	DM	TLR/PC	1
<b>SytePro</b> SP	<b>Lamp Orientation</b> <sup>2</sup> V - Vertical Lamp H - Horizontal Lamp	<b>Distribution</b> 2 - Type II <sup>8</sup> 3 - Type III 4 - Type IV 5 - Type V	<b>Wattage</b> <sup>1</sup> 250 - 250W 320 - 320W <sup>7</sup> 350 - 350W <sup>7</sup> 400 - 400W <sup>7</sup> 450 - 450W <sup>7</sup> 750 - 750W <sup>7</sup> 1000 - 1000W <sup>6,7</sup>	<b>Lamp Source</b> MA - Metal Halide PMA - Pulse Start LX - High Pressure Sodium	<b>Mounting Options</b> DM - Direct Mount PT4S - Post Top 4" square PT5S - Post Top 5" square PT3R - Post Top 3" round PT4R - Post Top 4" round	<b>Factory Installed Options</b> FS - Fusing, specify 120 or 277V <sup>3</sup> FFS - Fusing, specify 208, 240 or 480V <sup>3</sup> TLR - Twist Lock Receptacle <sup>9</sup> TLR/PC - Twist Lock Receptacle with Photo Control included <sup>9</sup> PCB - Button Photo Control <sup>3,4,9</sup> HSS - House-side Shield <b>Colors*</b> GR - Gray GN - Textured Green TBK - Textured Black SA - Satin Aluminum WHT - White * Dark Bronze is standard	<b>Voltage</b> 1 - 120V 2 - 208V 3 - 240V 4 - 277V 5 - 480V 8 - 120-277V

## Field-Installed Accessories

- VHSS - Internal House Side Shield for Vertical Optics
- HHSS - Internal House Side Shield for Horizontal Optics
- SPGS - External Glare Shield<sup>5</sup>
- IF1 - Inline fusing, specify 120 or 277 volt
- IF2 - Inline fusing, specify 208, 240 or 480 volt

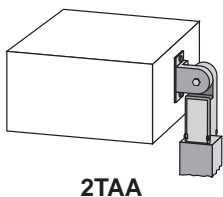
## Notes:

- 250W–400W available in 10" deep housing; 450–1000W available in 12" deep housing.
- All Vertical (lamp) mount fixtures provided with Sag Glass Lens standard. Horizontal mount has Flat Glass Lens standard.
- Not available for 450-1000 watt fixtures; use inline fusing.
- Not available in 480V.
- Not available for 12" deep housings.
- Not available in HPS.
- Requires reduced outer jacketed lamp.
- Type II distribution only available in 400W and below Metal Halide horizontal lamp configuration.
- Must specify voltage: 120, 208, 240 or 277



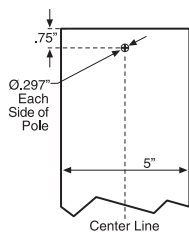
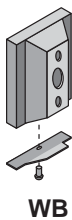
## Mounting Accessories for "DM" Style Fixtures

SytePro fixtures with the "DM" mounting style are designed to direct mount to the side of a 4" or 5" square pole. The following accessories are designed to adapt "DM" style fixtures to other mounting methods. All of the following mounting accessories are shipped in separate cartons for field assembly.

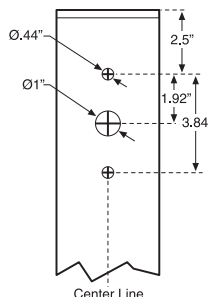


### CATALOG # DESCRIPTION

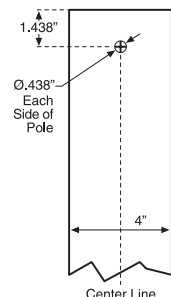
- ARM9S** 9" arm for mounting to a 4" minimum square pole
- ARM9R3** 9" arm for mounting to a 3.5" to 4" OD round pole
- ARM9R5** 9" arm for mounting to a 4" to 5" OD round pole
- SPAA** Adjustable arm adapter for square poles
- 2TAA** 2" tenon adjustable adapter
- RTA490** 4 at 90° 2" round tenon adapter
- RTA3120** 3 at 120° 2" round tenon adapter
- WB** Wall mount bracket
- WBA** Wall mount bracket with 9" arm



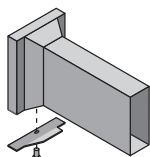
- Post top mount to 5" square poles



- Adjustable arm to square pole
- Direct mount to square pole
- Arm mount to square or round pole



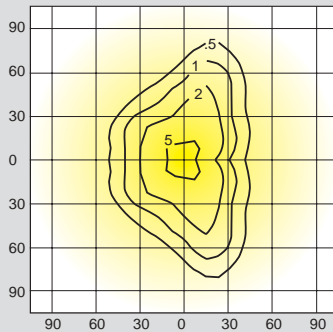
- Post top mount to 4" square poles



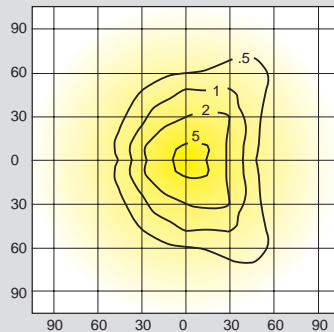
WBA

# Photometric Data

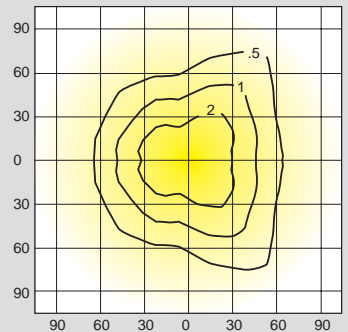
**SPH2400MA**



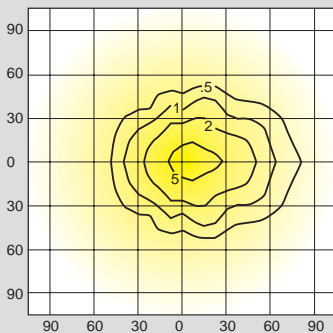
**SPH3400MA**



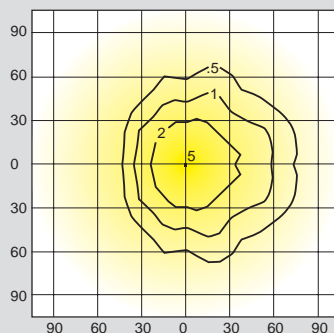
**SPH3400LX**



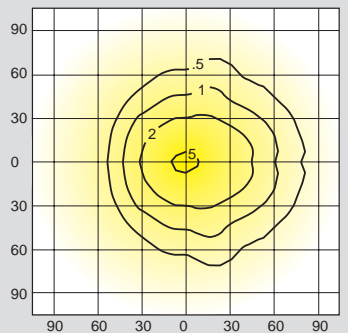
**SPH4400MA**



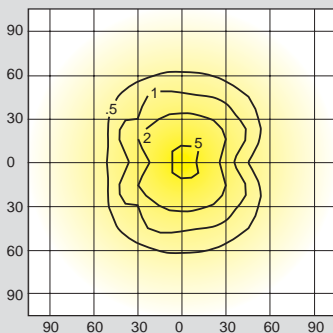
**SPV4400MA**



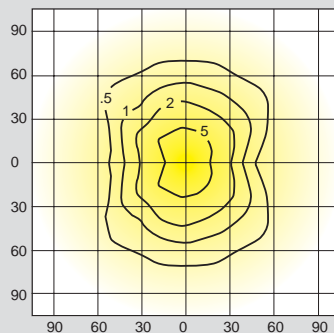
**SPV4400LX**



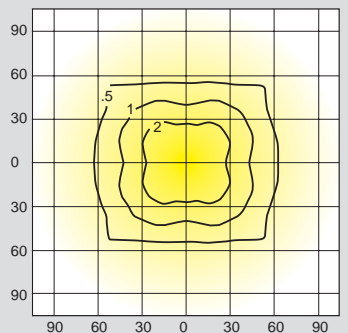
**SPH5400MA**



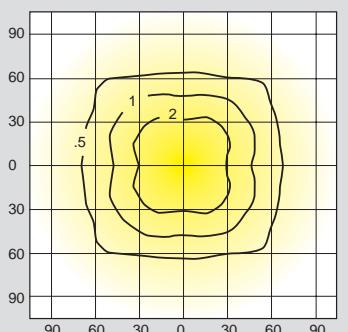
**SPH5400LX**



**SPV5400MA**



**SPV5400LX**



## Mounting Height Conversions

Mounting Height in Feet

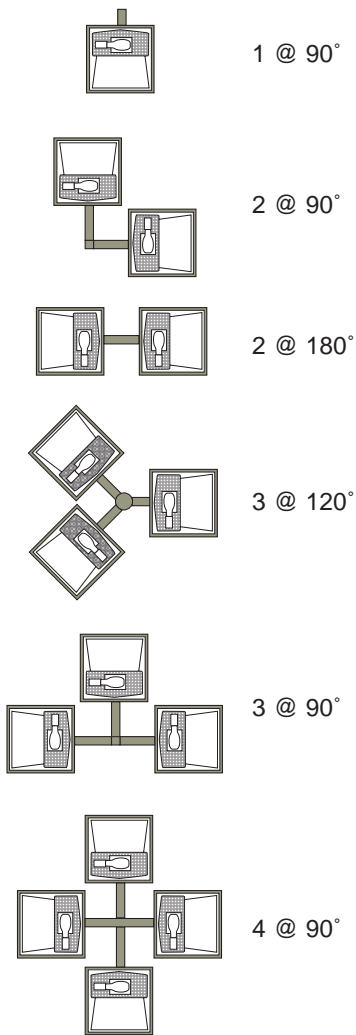
20'	25'	30'	35'	40'
2.3	1.4	1.0	.74	.56

## Lamp and Watt Conversions

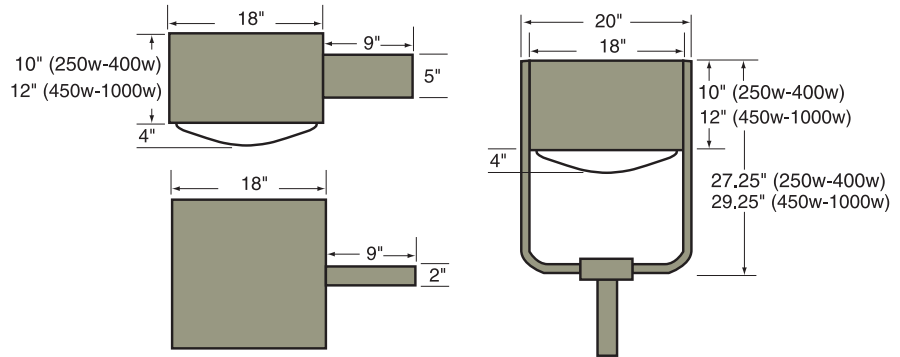
Lamp	250W MA	320W PMA	350W PMA	400W MA	400W PMA	450W PMA	1000W MA	250W HPS	400W HPS	750W HPS
Multiplier	.57	.88	1.02	1.0	1.22	1.32	3.05	.71	1.39	2.75

MA = Metal Halide, PMA = Pulse Start Metal Halide, HPS = High Pressure Sodium

# Configurations



# Dimensional Data



# Effective Projected Area

## Square/Round Surface Mount

Number of Fixtures	1	2	3	4
<b>10" Deep Housing</b>				
Flat Lens	1.9	3.8	4.8	5.0
Sag Lens	2.1	4.2	5.6	5.9
<b>12" Deep Housing</b>				
Flat Lens	2.2	4.3	5.6	5.9
Sag Lens	2.3	4.7	6.1	6.4

## Post Top Mount (PT)

<b>10" Deep Housing</b>				
Flat Lens	2.2	-	-	-
Sag Lens	2.4	-	-	-
<b>12" Deep Housing</b>				
Flat Lens	2.5	-	-	-
Sag Lens	2.6	-	-	-



Inquire About Our Other Contractor-Friendly Lighting Solutions from Stonco.

