

DATE:	PROJECT:
TYPE:	CATALOG:

# S3



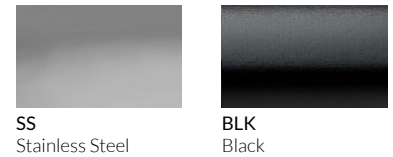
SPECIALTY LIGHTS | Saturn Series | 3.25" Ø × 1.8" H  
2 - 9W (195 - 810lm) | 10.5-16 VAC | Integrated LED

## FEATURES

- U.S.-made light engine and driver.
- CNC-machined, corrosion-resistant 6061 aluminum or 316 stainless steel.
- IP68 enclosure for dust-tight sealing and continuous submersion in ponds, water features, and in-ground wet locations.
- Dimmable configurations available; see Specifications and ordering guide for details. Standard fixtures are non-dimmable.
- Integrated finned body serves as the heat sink, drawing heat away from the LED module and shedding it through a high-surface-area profile for dependable operation.
- Built-in surge protector safeguards internal electronics from voltage fluctuations and power surges.
- High-performance 3-step bin LED with an L70 rating of over 100,000 hours.
- [20-year manufacturer limited warranty.](#)
- *Fixtures installed fully submerged in saltwater carry a 2-year limited warranty due to environmental conditions.*
- ETL listed to the UL 1838 standard, with IES Files Available (See page 4).
- 3000K fixtures available in all finishes, wattages, and optics, in stock and ready to ship. Other color temperatures are non-stock and require a lead time of 5-7 business days.



## AVAILABLE FINISHES:



## POWER CONSUMPTION

*Candela Power & IES charts can be found on page 4*

COLOR TEMPERATURE	WATTAGE	VA	LUMENS	ADDITIONAL COLOR TEMP OPTIONS	
● 3000K*	2W	4VA	195LM	● 2700K	● 5000K
	4W	7VA	405LM	● Amber***	● Blue
	6W	10VA	600LM	● Royal Blue	● Green
	9W	15VA	810LM	● Red**	● Fuchsia
			● Lavender		

\* Indicates stocked items. Non-stocked items require 5-7 business days additional lead time, special order deposit and are non-refundable. \*\* Amber not available in 6W or 9W and Fuchsia and Lavender require additional lead time above the standard 5-7 business days. \*\*\* Amber option does not indicate turtle-friendly certification.

## SPECIFICATIONS

### Materials

CNC-machined from billet 6061-T6 aluminum or 316 stainless steel with 316 stainless hardware.

### Finish

**BLK:** Marine-grade black anodize for lasting performance. UV/corrosion protection.  
**SS:** Precision-machined 304 stainless steel. Resists rust, pitting, and staining.

### Shroud Options

S2/S3 Slotted Shroud — optional accessory. Field-installable, two-point mount; four mounting slots enable near-full rotation; glare and line-of-sight control. (See page 2 for details).

### Wattage

2, 4, 6 or 9W delivering up to 810 lm.

### Voltage

10.5-16VAC. Requires low voltage transformer or step down transformer.

### Light Engine

US Built Led module with Cree Diode and Metal core PCB for better heat dissipation CRI 80 (CRI 90 upon request) CCT 2700K & 3000K McAdam 3 step LED binning to ensure color consistency

### Optics

Interchangeable optics available in 12°, 25°, 40°, and 60° beam angles.

### Lead Wire

5ft SJEOOW 18 AWG tinned copper (BLK) and 20ft SJEOOW 18 AWG tinned copper (SS).

## APPLICATION NOTES

### Stainless Steel Finish

Suitable for fresh water, salt water, chlorinated water, fish ponds, and fish tanks.

*Fixtures installed fully submerged in saltwater carry a 2-year limited warranty due to environmental conditions.*

*\*For saltwater dock installations, Garden Light LED recommends using the S2/S3 Swivel Mount and mounting the fixture beneath the dock, aimed downward into the water. See pages 2-3 for swivel mount details.*

**6 & 9W for installation in submersible applications only.**

### Black Finish

Suitable for fresh water, fish ponds, and fish tanks.

**Not suitable for salt or chlorinated water.**

### Dimming Options

Standard fixtures are non dimmable Dimmable Option valuable with constant current LED power supply connected in series with the fixtures.

Dimming Method: Phase Dimming (TRI-AC/ELV) or 0-10V dimming

### Mounting

Standard two-point mount through integrated holes using (2) #6×2½" 18-8 SS Phillips flat-head SMS; optional swivel adds 90°/45° tilt (See page 2 for details)

### Certifications & Ratings

ETL listed to UL1838, IP68 Standard.















# S3 | Saturn Series Specialty Light

SPECIALTY | SATURN

## ORDERING GUIDE

EXAMPLE: S3 204 SS 2700K-S2/S3 SLOTTED SHROUD BLACK-SWIVEL S2

### MODEL

<b>S3</b> S3 Specialty Light Saturn Series Submersible Fully Integrated	<b>WATTAGE</b>	<b>OPTICS</b>	<b>FINISH</b>	<b>COLOR TEMPERATURE</b>
	DIM   (Dimmable)	1   (12°)	 <b>BLK</b>   (Black)  <b>SS</b>   (Stainless Steel)	 <b>3000K</b>   (Default/Blank)  <b>2700K</b>  <b>5000K</b>  <b>AMB</b>   (Amber)  <b>BLU</b>   (Blue)  <b>RBL</b>   (Royal Blue)  <b>GRN</b>   (Green)  <b>RED</b>   (Red)  <b>FSA</b>   (Fuchsia)  <b>LVR</b>   (Lavender)
	20   (2W)	2   (25°)		
	35   (4W)	4   (40°)		
	50   (6W)	6   (60°)		
	75   (9W)			

### OPTIONAL ACCESSORIES

Accessory images & dimensions can be found on page 3

<b>SHROUD</b> <b>S2/S3 SLOTTED SHROUD BLACK</b>   (Slotted Shroud)	<b>LOUVER</b> <b>HCL</b>   (Hex Cell Louver)	<b>Mounting</b> <b>SURFACE MOUNT</b> <b>SWIVEL S2</b>   (S2/S3 Swivel)
<b>IN-GRADE MOUNT</b> <b>WL1048 BR</b>   (Well Light Housing)		

## TRANSFORMERS

### BUILD THE SKU LEFT → RIGHT

Pattern: [WATTAGE (VA)]-[MODEL]-[CONNECTION TYPE]

Items tagged "(Default/Blank)" are not included in the SKU.

EXAMPLE: 602-WLED SS-DW

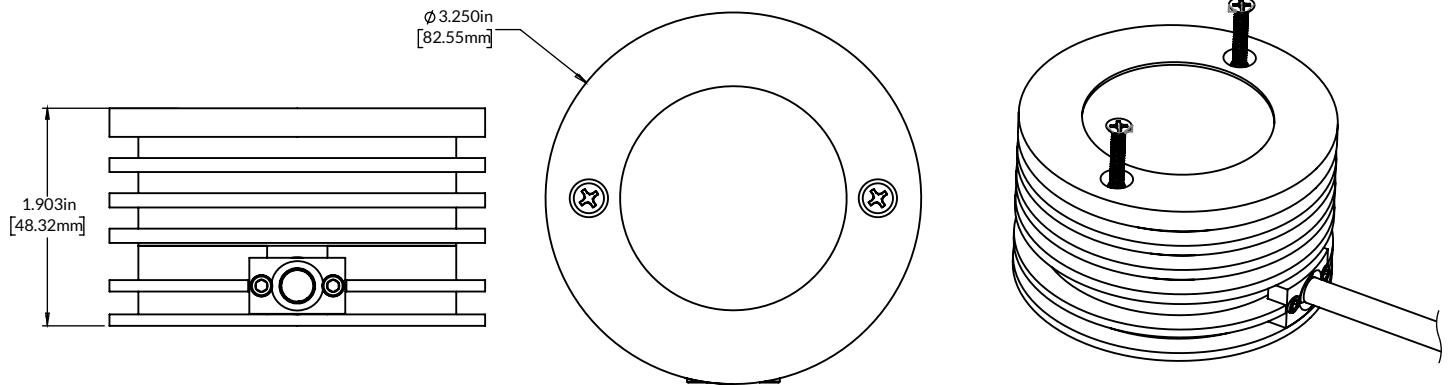
<b>WATTAGE (VA)</b> 62   102   152   302   602   902   1202 <b>60WNL</b> <b>60</b>	<b>MODEL</b> <b>WLED SS</b>   (Low Voltage Magnetic Transformer 15V Tap W/ LED & Surge Protection) <b>INLINE</b>   (60W No-Load Inline Electronic Transformer 120VAC Input, 12VAC Output) <b>MD</b>   (Mammoth Dynamics phase-dimmable constant current driver (DC))	<b>CONNECTION TYPE</b> <b>Pluggable 120VAC Plug-In</b>   (Default/Blank)   <b>DW</b>   (Direct Wire 120VAC) <b>Direct Wire 120VAC</b>   (Default/Blank) <b>Direct Wire 120VAC</b>   (Default/Blank)
---	---	--



# S3 | Saturn Series Specialty Light

SPECIALTY | SATURN

## FIXTURE DRAWINGS



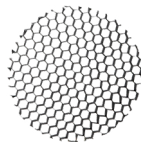
## OPTIONS & ACCESSORIES

Shroud Options:



[SLOTTED SHROUD](#)

Louver Options:



HONEY COMB LOUVER

## MOUNTING OPTIONS

Surface Mount:



[S2/S3 SWIVEL](#)



[WELL LIGHT HOUSING](#)



# S3 | Saturn Series Specialty Light

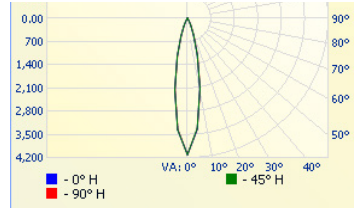
SPECIALTY | SATURN

## PHOTOMETRICS

### S3 12°

Input Power	9 W
Color Temperature (CCT)	3000 K
Color Rendering Index (CRI)	80+
Beam Spread	12°
Max Candela Power	4110cd
Delivered Lumens	799
Efficacy	57 lm/W

#### Polar Graph - Intensity



#### Cone of Light - Illuminance

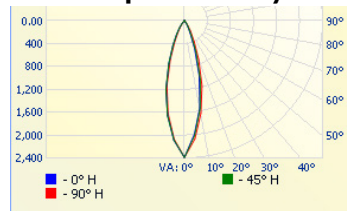
	Center Beam fc	Beam Width	
8.3R	59.7 fc	3.1 ft	3.1 ft
16.7R	14.7 fc	6.2 ft	6.2 ft
25.0R	6.58 fc	9.3 ft	9.3 ft
33.3R	3.71 fc	12.4 ft	12.4 ft
41.7R	2.36 fc	15.5 ft	15.5 ft
50.0R	1.64 fc	18.6 ft	18.6 ft

■ Vert. Spread: 21.1°  
■ Horiz. Spread: 21.1°

### S3 25°

Input Power	9 W
Color Temperature (CCT)	3000 K
Color Rendering Index (CRI)	80+
Beam Spread	25°
Max Candela Power	2388cd
Delivered Lumens	785
Efficacy	56 lm/W

#### Polar Graph - Intensity



#### Cone of Light - Illuminance

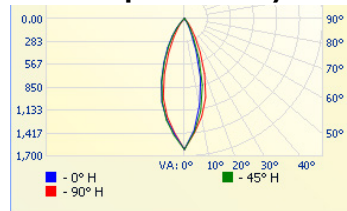
	Center Beam fc	Beam Width	
8.3R	34.7 fc	4.2 ft	4.4 ft
16.7R	8.56 fc	8.5 ft	8.8 ft
25.0R	3.82 fc	12.8 ft	13.2 ft
33.3R	2.15 fc	17.0 ft	17.6 ft
41.7R	1.37 fc	21.3 ft	22.1 ft
50.0R	0.96 fc	25.5 ft	26.4 ft

■ Vert. Spread: 28.6°  
■ Horiz. Spread: 29.6°

### S3 40°

Input Power	9 W
Color Temperature (CCT)	3000 K
Color Rendering Index (CRI)	80+
Beam Spread	40°
Max Candela Power	1618cd
Delivered Lumens	739
Efficacy	52 lm/W

#### Polar Graph - Intensity



#### Cone of Light - Illuminance

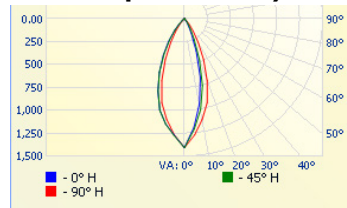
	Center Beam fc	Beam Width	
8.3R	23.5 fc	5.2 ft	5.5 ft
16.7R	5.8 fc	10.5 ft	11.1 ft
25.0R	2.59 fc	15.7 ft	16.7 ft
33.3R	1.46 fc	20.9 ft	22.2 ft
41.7R	0.93 fc	26.1 ft	27.8 ft
50.0R	0.65 fc	31.3 ft	33.4 ft

■ Vert. Spread: 34.8°  
■ Horiz. Spread: 36.9°

### S3 60°

Input Power	9 W
Color Temperature (CCT)	3000 K
Color Rendering Index (CRI)	80+
Beam Spread	60°
Max Candela Power	1408cd
Delivered Lumens	732
Efficacy	52 lm/W

#### Polar Graph - Intensity



#### Cone of Light - Illuminance

	Center Beam fc	Beam Width	
8.3R	20.4 fc	5.7 ft	6.2 ft
16.7R	5.05 fc	11.4 ft	12.4 ft
25.0R	2.25 fc	17.1 ft	18.6 ft
33.3R	1.27 fc	22.8 ft	24.7 ft
41.7R	0.81 fc	28.5 ft	31.0 ft
50.0R	0.56 fc	34.2 ft	37.2 ft

■ Vert. Spread: 37.8°  
■ Horiz. Spread: 40.8°

#### Wattage Multiplier

Wattage	Multiplier
2 Watt	.24
4 Watt	.50
6 Watt	.74
9 Watt	1.00

#### CCT Multiplier

Color Temperature	Multiplier
2700 K	.97
3000 K	1.00
4000 K	1.05

#### Resources

[S3 Saturn Series Specialty Light – IES Version \(ZIP\)](#)

[S3 Saturn Series Specialty Light – PDF Version \(ZIP\)](#)

[Submit IES File Request](#)

Standard IES files typically represent the highest wattage, 3000K CCT, and available optics. For other configurations, submit one fixture variation per request.

[S3 Saturn Series Specialty Light – Install Guide](#)

Product Page / IES Files / Online Ordering:  
[gardenlightled.com/product/submersible-super-saturn-3/](http://gardenlightled.com/product/submersible-super-saturn-3/)

Warranty Information:  
[gardenlightled.com/warranty/](http://gardenlightled.com/warranty/)