

# SEA SIDE IMPACT BOLLARD

**BOLLARD + LANDSCAPE LIGHTING** 



#### LED WATTAGE CHART

	16L
400 milliamps	21w
530 milliamps	26w
700 milliamps	35w

Introducing NLS Impact Bollard with TG Core-In Protection System (impact rated core with sleeve) which has been ASTM F3016 full scale crash tested at an accredited test center; the 6" version offers a S10 impact rating (rated to stop a 5,000 lb vehicle up to 10 mph), while the 8" version comes with an impressive S20 impact rating (rated to stop a 5,000 lb vehicle up to 20 mph).

The Sea Side Impact Bollard combines security, style, and impact resistance that blends beautifully into any pathway environment while protecting from traffic intrusion.

This luminaire tower can disperse light in a 45° angle with the cast Cut Off Grill (COG45) with diffused lens standard. Paracline Reflector (PR) or Stacked Louver (SL) are optional light distributions with a clear lens standard. Optional unlit versions are available.

LED wattage ranges from 21 to 33 using 16 LEDs. The 6" or 8" round Sea Side Impact Bollard is available with the Dome Top or Flat Top. The 8" square Sea Side Impact Bollard only comes with the Flat Top option. Kelvin temperature offerings of Amber, 2700, 3000K, 3500K, 4000K, and 5000K

#### **BUY AMERICAN**

To ensure the latest BAA/TAA/BABA Standards are being met, please select BAA, TAA, or BABA in the options section. Please contact the factory before placing an order for any NLS products requesting BAA (Buy American Act), TAA (Trade American Act), or BABA (Build America, Buy America).



#### STAR POWER™ OPTICAL SYSTEM

The Star Power™ reflector is an excellent system which provides great value and performance. Star Power Patent number: 10168023

## **SEA SIDE BOLLARD ORDERING GUIDE**

Cat#	Height	Shaft Dim.	Lit / UnLit	Light Dist.	# of LEDs
Sea Side Impact Bollard Flat Top (SSF-IMP) Sea Side Impact Bollard Dome Top (SSD-IMP)	49° ( <b>49</b> )	6" Round Impact Rated Up to 10 MPH (6R-S10) 8" Round Impact Rated Up to 20 MPH (8R-S20) 8" Square Impact Bollard Up to 20 MPH (8S-S20)	Lit (LIT) UnLit (UNL) 2	Cut Off Grill (COG45)  Stacked Louver (SL)  Paracline Reflector (PR)	16 <b>(16L)</b>

Milliamps	Kelvin	Volts	Color	Options
400 <b>(40)</b>	Amber 585-600nM (AMBER) 5, 7, 8	120-277 <b>(UNV)</b>	Bronze Textured ( <b>BRZ</b> )	Button Photocell <b>(PC)</b> <sup>3</sup>
530 <b>(53)</b>	2700K, 70 CRI <b>(27K7)</b>	347-480 <b>(HV)</b>	White Textured (WHT)	Marine Grade Finish (MGF)
700 <b>(7)</b>	2700K, 80 CRI <b>(27K8)</b> <sup>1</sup>		Smooth White Gloss (SWT)	Emergency Battery Back-up 4W
	3000K, 70 CRI <b>(30K7)</b>		Silver Metallic (SVR)	(EM4) <sup>3</sup> Emergency
	3000K, 80 CRI <b>(30K8)</b> 1		Black Textured (BLK)	Battery Back-up 8W <b>(EM8)</b> <sup>3</sup>
	3500K, 80 CRI <b>(35K8)</b> 1		Smooth Black Gloss (SBK)	House Side Shield (HSS)
	4000K, 70 CRI <b>(40K7)</b>		Graphite Textured (GPH)	Buy American Act (BAA) <sup>6</sup>
	4000K, 80 CRI ( <b>40K8</b> ) <sup>1</sup>		Grey Textured (GRY)	Trade Agreement Act <b>(TAA)</b> <sup>6</sup>
	5000K, 70 CRI ( <b>50K7</b> )		Green Textured (GRN)	Build America Buy American (BABA) <sup>6</sup>
	5000K, 80 CRI ( <b>50K8)</b> <sup>1</sup>		Hunter Green Textured (HGN)	Custom Controls Integration (CCI) 4
			Custom	

(CS)

#### NOTES:

- 1. Consult Factory for Lead Time. Consult Factory for 90 CRI Requests.
- 2. If Unlit is selected the following catagories will not be available: Light Distribution, # of LEDs, Milliamps, Kelvin, Volts, Photocell, and House Side Shield
- 3. Universal Voltage 120-277
- 4. Please contact Factory for Custom Control Integration requests (nLight, NX, WaveLinx, Crestron, DMX/RDM, Synapse, Casambi, Dali II, Avi-On, or other control systems)
- 5. Turtle Safe
- 6. Consult factory for all BAA/TAA/BABA requests
- 7. Contact Factory
- 8. Not Available above 700mA

#### **ELECTRICAL**

- · 120-277 Volts (UNV) or 347-480 Volts (HV)
- · 0-10V dimming driver
- Driver power factor at maximum load is ≥ .95, THD maximum load is 15%
- LED Drivers Ambient Temp. Min is -40°C and Ambient Temp. Max ranges from 50°C to 55°C and, in some cases, even higher. Consult the factory for revalidation by providing the fixture catalog string before quoting and specifying it.
- · All internal wiring UL certified for 600 VAC and 105°C
- · CRI 70, 80 or 90
- Color temperatures: Amber, 2700, 3000K, 3500K, 4000K, 5000K
- · Surge Protection: 20kA supplied as standard.

#### CONSTRUCTION

Extruded Aluminum. Cast Aluminum. Spun Aluminum

#### **OPTIONS**

- MARINE GRADE FINISH (MGF) A multi-step process creating protective finishing coat against harsh environments. Chemically washed in a 5 stage cleaning system. Pre-baked, Powder coated 3-5 mils of Zinc Rich Super Durable Polyester Primer. Oven Baked. Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness.
- · EMERGENCY BATTERY BACK-UP (EM)
  - · 100-277 VAC± 10%, 50/60 Hz Input Voltage
  - 43mA Max. Input Current
  - · 2.82W Max. Input Power
  - · 24-48 Hours Recharge Time
  - Battery Type NiCd 9.6VDC or LiFePO4 9.6VDC
  - · 90 Minutes Min. Illumination Time
  - 20W Total Max. LED Powered
  - · Class 2 Output Classification
- · HOUSE SIDE SHIELD (HSS)

#### **CONTROL OPTIONS**

- PHOTOCELL (PC) Button Type
- Controls Agnostic: Please contact factory for your preferred controls option. (nLight, NX, WaveLinx, Crestron, DMX/RDM, Synapse, Casambi, DALI II, Avi-On, or other control systems)

#### LIGHT DISTRIBUTION

Utilizes a linear diffused pattern, softening the light distribution and eliminating any dark shadows or striations.

IES Types



#### **FINISH**

- · 3-5 mils electrostatic powder coat.
- NLS Lighting standard high-quality finishes prevent corrosion and protects against extreme environmental conditions

#### WARRANTY

Five-year limited warranty for drivers and LEDs.

#### **BUY AMERICAN OPTION**

While all of the NLS Lighting products listed in this document qualify for the Buy America(n) Act of 1933, we reserve the right to change our listings without notice.

The information provided above is for general informational purposes only. We encourage you to consult legal professionals for advice particular to your projects concerning BAA, TAA, BABA or Buy America.

Additional NLS Products that meet BAA, TAA standards can be found at the following link:

#### https://nlslighting.com/buy-american/

#### INSTALLATION

#### https://www.youtube.com/watch?v=g1lvmW\_K8yo

Proper installation of the NLS Impact Bollard is mandatory and required to ensure it can achieve the desired performance as the integrated TG Core-In Protection System comprising of impact rated core with sleeve was evaluated to per ASTM 53016.

If the NLS Impact Bollard is modified in any way or form or fit or function during the installation, it may not perform as the integrated TG Core-In Protection System (impact rated core with sleeve) was tested per ASTM F3016. It is important to follow installation instructions, and make sure trained installers, proper equipment and procedures are used to install the NLS Impact Bollard.

NLS Lighting bares no responsibility or liability for improper installation of NLS Impact Bollard. NLS Lighting is not liable for any failures due to soil conditions, incorrect installation, improper product use, and/ or modifications to the NLS Impact Bollard. NLS specification sheet, installation instructions and video should be considered as guidelines therefore the soil condition, structural integrity and foundation and any other critical parameter related to installation of the NLS Impact Bollard are to be reviewed and approved by the customer and end user's structural engineer prior to installation.

To comply with the ASTM F3016 crash rating the impact portion must be installed exactly as TG Core-In Protection System was tested at an accredited test center and the full-scale crash test summary can be provided upon request.















The information and specifications on this document are subject to change without any notification. All values are design, nominal, or typical or prorated values when measured under internal and external laboratory conditions.



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SEA SIDE IMPACTCOG45-16L-S3-40K  1502  58  26  SEA SIDE IMPACTCOG45-16L-S3-50K  1502  58  26  SEA SIDE IMPACTCOG45-16L-S3-50K  1502  58  26  36  SEA SIDE IMPACTCOG45-16L-7-30K  2003  56  36  SEA SIDE IMPACTCOG45-16L-7-50K  2003  56  36  SEA SIDE IMPACTCOG45-16L-7-50K  2003  56  36  36  SEA SIDE IMPACT-COG45-16L-7-50K  2003  56  36  36  SEA SIDE IMPACT-SL-16L-40-27K  1081  51  21  SEA SIDE IMPACT-SL-16L-40-20K  1085  51  21  SEA SIDE IMPACT-SL-16L-40-30K  1085  52  21  SEA SIDE IMPACT-SL-16L-40-30K  1169  56  21  SEA SIDE IMPACT-SL-16L-40-40K  1169  56  21  SEA SIDE IMPACT-SL-16L-40-40K  1169  56  21  SEA SIDE IMPACT-SL-16L-40-50K  1169  56  21  SEA SIDE IMPACT-SL-16L-30-50K  1169  56  21  SEA SIDE IMPACT-SL-16L-30-50K  1169  56  21  SEA SIDE IMPACT-SL-16L-30-50K  1169  56  SEA SIDE IMPACT-SL-16L-40-50K  1169  56  SEA SIDE IMPACT-SL-16L-40-50K  1169  56  SEA SIDE IMPACT-SL-16L-40-50K  1169  56  SEA SIDE IMPACT-SL-16L-30-50K  1600  21  SEA SIDE IMPACT-SL-16L-30-50K  1610  58  SEA SIDE IMPACT-SL-16L-40-50K  1612  62  SEA SIDE IMPACT-SL-16L-30-50K  1690  65  SEA SIDE IMPACT-SL-16L-30-50K  1690  66  SEA SIDE IMPACT-SL-16L-30-50K  1690  67  21  SEA SIDE IMPACT-SL-16L-30-50K  1090  67  21  SEA SIDE IMPACT-SL-16L-30-50K  1000	SEA SIDE IMPACT-COG45-16L-40-50K7	1153	55	21
SEA SIDE IMPACTCOG45-16L-S3-50K 1502 58 26 SIDE IMPACTCOG45-16L-730K 1906 53 36 36 36 36 36 36 36 36 36 36 36 36 36	SEA SIDE IMPACT-COG45-16L-53-30K	1429	55	26
SEA SIDE IMPACT-COG45-16L-7-30K  1906  53 3 36  SEA SIDE IMPACT-COG45-16L-7-40K  2003  56 36  SEA SIDE IMPACT-COG45-16L-7-50K  2003  56 36  SEA SIDE IMPACT-COG45-16L-7-50K  2003  56 36  SEA SIDE IMPACT-COG45-16L-7-50K  2003  56 36  SEA SIDE IMPACT-SL-16L-40/27K7  1081  51 21  SEA SIDE IMPACT-SL-16L-40/27K8  1012  48 221  SEA SIDE IMPACT-SL-16L-40/30K8  1085  52 21  SEA SIDE IMPACT-SL-16L-40/30K7  1169  56 21  SEA SIDE IMPACT-SL-16L-40/30K8  1085  52 21  SEA SIDE IMPACT-SL-16L-40/30K8  1169  56 21  SEA SIDE IMPACT-SL-16L-40/50K8  1169  56 21  SEA SIDE IMPACT-SL-16L-40/50K8  1169  56 21  SEA SIDE IMPACT-SL-16L-40/50K8  1169  56 21  SEA SIDE IMPACT-SL-16L-53/30K  1508  58 58  26 SEA SIDE IMPACT-SL-16L-53/30K  1508  58 SEA SIDE IMPACT-SL-16L-53/30K  1508  58 SEA SIDE IMPACT-SL-16L-53/30K  1690  65 26  SEA SIDE IMPACT-SL-16L-73/30K  2030  58 335  SEA SIDE IMPACT-SL-16L-73/50K  2030  58 335  SEA SIDE IMPACT-SL-16L-73/50K  210  SEA SIDE IMPACT-SL-16L-73/50K  211  SEA SIDE IMPACT-SL-16L-73/50K  2275  56 SEA SIDE IMPACT-SL-16L-40/30K7  1308  62 21  SEA SIDE IMPACT-SL-16L-40/30K7  1309  57 SEA SIDE IMPACT-SL-16L-40/30K8  1402  67 21  SEA SIDE IMPACT-PR-16L-40/30K7  1510  72 21  SEA SIDE IMPACT-PR-16L-40/30K7  1632  78 21  SEA SIDE IMPACT-PR-16L-40-50K7  1632  58 SIDE IMPACT-PR-16L-40-50K7  1632  58 SIDE IMPACT-PR-16L-40-50K7  1632  58 SIDE IMPACT-PR-16L-40-50K7  1632  58 SIDE IMPACT-PR-16L-5-30K  201  SEA SIDE IMPACT-PR-16L-5-30K  202  77 26  SEA SIDE IMPACT-PR-16L-5-30K  203  SEA SIDE IMPAC	SEA SIDE IMPACT-COG45-16L-53-40K	1502	58	26
SEA SIDE IMPACT-COG45-16L-7-40K  2003  56  36  SEA SIDE IMPACT-COG45-16L-7-50K  2003  56  36  SEA SIDE IMPACT-SL-16L-027K7  1081  51  21  SEA SIDE IMPACT-SL-16L-027K8  1012  48  21  SEA SIDE IMPACT-SL-16L-40-27K8  1012  48  21  SEA SIDE IMPACT-SL-16L-40-30K8  1085  52  21  SEA SIDE IMPACT-SL-16L-40-30K7  1169  56  21  SEA SIDE IMPACT-SL-16L-40-30K7  1169  56  21  SEA SIDE IMPACT-SL-16L-40-30K8  1085  52  21  SEA SIDE IMPACT-SL-16L-40-30K7  1169  56  21  SEA SIDE IMPACT-SL-16L-40-40K8  1169  56  21  SEA SIDE IMPACT-SL-16L-40-40K7  1263  60  21  SEA SIDE IMPACT-SL-16L-40-50K7  1263  60  21  SEA SIDE IMPACT-SL-16L-40-50K7  1263  60  21  SEA SIDE IMPACT-SL-16L-40-50K7  1263  60  21  SEA SIDE IMPACT-SL-16L-33-30K  1508  58  26  SEA SIDE IMPACT-SL-16L-33-40K  1512  52  SEA SIDE IMPACT-SL-16L-33-40K  1512  53  SEA SIDE IMPACT-SL-16L-33-40K  1512  54  SEA SIDE IMPACT-SL-16L-33-50K  1690  65  SEA SIDE IMPACT-SL-16L-73-0K  2030  58  SEA SIDE IMPACT-SL-16L-7-50K  2275  56  SEA SIDE IMPACT-SL-16L-7-50K  2275  56  SEA SIDE IMPACT-SL-16L-40-30K8  1308  62  21  SEA SIDE IMPACT-SL-16L-40-30K8  1402  67  21  SEA SIDE IMPACT-PR-16L-40-27K7  1397  67  21  SEA SIDE IMPACT-PR-16L-40-30K8  1402  67  21  SEA SIDE IMPACT-PR-16L-40-30K8  1510  72  21  SEA SIDE IMPACT-PR-16L-40-30K8  1510  72  21  SEA SIDE IMPACT-PR-16L-40-30K8  1510  72  21  SEA SIDE IMPACT-PR-16L-40-40K7  1632  78  21  SEA SIDE IMPACT-PR-16L-40-40K7  1632  78  21  SEA SIDE IMPACT-PR-16L-40-40K7  1632  78  21  SEA SIDE IMPACT-PR-16L-40-50K8  1510  72  22  23  SEA SIDE IMPACT-PR-16L-40-50K8  1510  73  SEA SIDE IMPACT-PR-16L-40-50K8  1510  74  SEA SIDE IMPACT-PR-16L-40-50K8  1510  75  SEA SIDE IMPACT-PR-16L-40-50K8  1510  76  SEA SIDE IMPACT-PR-16L-40-50K8  1510  77  26  SEA SIDE IMPACT-PR-16L-5-50K  28  SEA SIDE IMPACT-PR-16L-5-50K  28  SEA SIDE IMPACT-PR-16L-5-50K  28  SEA SIDE IMPACT-PR-	SEA SIDE IMPACT-COG45-16L-53-50K	1502	58	26
SEA SIDE IMPACT-COG45-16L-7-50K         2003         56         36           SEA SIDE IMPACTSL-16L-40-27K7         1081         51         21           SEA SIDE IMPACTSL-16L-40-27K8         1012         48         21           SEA SIDE IMPACTSL-16L-40-30K8         1085         52         21           SEA SIDE IMPACTSL-16L-40-30K7         1169         56         21           SEA SIDE IMPACTSL-16L-40-30K8         1085         52         21           SEA SIDE IMPACTSL-16L-40-30K8         1085         52         21           SEA SIDE IMPACTSL-16L-40-60K8         1169         56         21           SEA SIDE IMPACTSL-16L-40-60K8         1169         56         21           SEA SIDE IMPACTSL-16L-40-50K8         1169         56         21           SEA SIDE IMPACTSL-16L-40-50K7         1263         60         21           SEA SIDE IMPACTSL-16L-33-30K         1508         58         26           SEA SIDE IMPACTSL-16L-33-30K         1612         62         26           SEA SIDE IMPACTSL-16L-33-30K         1690         65         26           SEA SIDE IMPACTSL-16L-3-30K         2030         58         35           SEA SIDE IMPACTSL-16L-3-30K         2030         58         35	SEA SIDE IMPACT-COG45-16L-7-30K	1906	53	36
SEA SIDE IMPACTSL-16L-40-27K7         1081         51         21           SEA SIDE IMPACTSL-16L-40-27K8         1012         48         21           SEA SIDE IMPACTSL-16L-40-30K8         1085         52         21           SEA SIDE IMPACTSL-16L-40-30K7         1169         56         21           SEA SIDE IMPACTSL-16L-40-35K8         1085         52         21           SEA SIDE IMPACTSL-16L-40-40K8         1169         56         21           SEA SIDE IMPACTSL-16L-40-40K7         1263         60         21           SEA SIDE IMPACTSL-16L-40-50K7         1263         60         21           SEA SIDE IMPACTSL-16L-40-50K7         1263         60         21           SEA SIDE IMPACTSL-16L-50-50K         1169         56         21           SEA SIDE IMPACTSL-16L-53-30K         1508         58         26           SEA SIDE IMPACTSL-16L-53-50K         1612         62         26           SEA SIDE IMPACTSL-16L-73-0K         2030         58         35           SEA SIDE IMPACTSL-16L-73-0K         2170         62         35           SEA SIDE IMPACTSL-16L-73-0K         2170         62         35           SEA SIDE IMPACTSL-16L-73-0K         21         35           SEA SIDE	SEA SIDE IMPACT-COG45-16L-7-40K	2003	56	36
SEA SIDE IMPACTSL-16L-40-27K8         1012         48         21           SEA SIDE IMPACTSL-16L-40-30K8         1085         52         21           SEA SIDE IMPACTSL-16L-40-30K7         1169         56         21           SEA SIDE IMPACTSL-16L-40-35K8         1085         52         21           SEA SIDE IMPACTSL-16L-40-40K8         1169         56         21           SEA SIDE IMPACTSL-16L-40-40K8         1169         56         21           SEA SIDE IMPACTSL-16L-40-40K7         1263         60         21           SEA SIDE IMPACTSL-16L-40-50K8         1169         56         21           SEA SIDE IMPACTSL-16L-40-50K8         1169         56         21           SEA SIDE IMPACTSL-16L-40-50K8         1169         56         21           SEA SIDE IMPACTSL-16L-30K         1508         58         26           SEA SIDE IMPACTSL-16L-53-50K         1612         62         26           SEA SIDE IMPACTSL-16L-53-50K         1690         65         26           SEA SIDE IMPACTSL-16L-730K         2030         58         35           SEA SIDE IMPACTSL-16L-740K         2170         62         35           SEA SIDE IMPACTSL-16L-40-27K7         1397         67         21	SEA SIDE IMPACT-COG45-16L-7-50K	2003	56	36
SEA SIDE IMPACTSL-16L-40-30K7         1085         52         21           SEA SIDE IMPACTSL-16L-40-30K7         1169         56         21           SEA SIDE IMPACTSL-16L-40-30K8         1085         52         21           SEA SIDE IMPACTSL-16L-40-40K8         1169         56         21           SEA SIDE IMPACTSL-16L-40-40K7         1263         60         21           SEA SIDE IMPACTSL-16L-40-50K8         1169         56         21           SEA SIDE IMPACTSL-16L-3-50K         1508         58         26           SEA SIDE IMPACTSL-16L-53-40K         1612         62         26           SEA SIDE IMPACTSL-16L-73-50K         2030         58         35           SEA SIDE IMPACTSL-16L-73-6K         2030         58         35           SEA SIDE IMPACTSL-16L-750K         2170         62         35           SEA SIDE IMPACTSL-16L-40-40K         2170         62         35           SEA SIDE IMPACTSL-16L-40-30K         210         67         21	SEA SIDE IMPACT-SL-16L-40-27K7	1081	51	21
SEA SIDE IMPACT-SL-16L-40-30K7         1169         56         21           SEA SIDE IMPACT-SL-16L-40-35K8         1085         52         21           SEA SIDE IMPACT-SL-16L-40-40K8         1169         56         21           SEA SIDE IMPACT-SL-16L-40-40K7         1263         60         21           SEA SIDE IMPACT-SL-16L-40-50K8         1169         56         21           SEA SIDE IMPACT-SL-16L-40-50K7         1263         60         21           SEA SIDE IMPACT-SL-16L-53-30K         1508         58         26           SEA SIDE IMPACT-SL-16L-53-30K         1612         62         26           SEA SIDE IMPACT-SL-16L-53-40K         1612         62         26           SEA SIDE IMPACT-SL-16L-53-50K         1690         65         26           SEA SIDE IMPACT-SL-16L-7-30K         2030         58         35           SEA SIDE IMPACT-SL-16L-7-30K         2030         58         35           SEA SIDE IMPACT-PR-16L-40-27K7         1397         67         21           SEA SIDE IMPACT-PR-16L-40-27K8         1308         62         21           SEA SIDE IMPACT-PR-16L-40-30K8         1402         67         21           SEA SIDE IMPACT-PR-16L-40-30K8         1402         67         21 <td>SEA SIDE IMPACT-SL-16L-40-27K8</td> <td>1012</td> <td>48</td> <td>21</td>	SEA SIDE IMPACT-SL-16L-40-27K8	1012	48	21
SEA SIDE IMPACT-SL-16L-40-40/88         1085         52         21           SEA SIDE IMPACT-SL-16L-40-40/88         1169         56         21           SEA SIDE IMPACT-SL-16L-40-50/88         1169         56         21           SEA SIDE IMPACT-SL-16L-40-50/88         1169         56         21           SEA SIDE IMPACT-SL-16L-40-50/7         1263         60         21           SEA SIDE IMPACT-SL-16L-53-30/K         1508         58         26           SEA SIDE IMPACT-SL-16L-53-30/K         1508         58         26           SEA SIDE IMPACT-SL-16L-53-30/K         1612         62         26           SEA SIDE IMPACT-SL-16L-53-50/K         1690         65         26           SEA SIDE IMPACT-SL-16L-7-50/K         2030         58         35           SEA SIDE IMPACT-SL-16L-7-50/K         2170         62         35           SEA SIDE IMPACT-SL-16L-7-50/K         2275         65         35           SEA SIDE IMPACT-SL-16L-7-50/K         2275         65         35           SEA SIDE IMPACT-PR-16L-40-27/K         1397         67         21           SEA SIDE IMPACT-PR-16L-40-30/K         1402         67         21           SEA SIDE IMPACT-PR-16L-40-30/K         1402         67 <t< td=""><td>SEA SIDE IMPACT-SL-16L-40-30K8</td><td>1085</td><td>52</td><td>21</td></t<>	SEA SIDE IMPACT-SL-16L-40-30K8	1085	52	21
SEA SIDE IMPACT-SL-16L-40-40K7         1169         56         21           SEA SIDE IMPACT-SL-16L-40-40K7         1263         60         21           SEA SIDE IMPACT-SL-16L-40-50K8         1169         56         21           SEA SIDE IMPACT-SL-16L-40-50K7         1263         60         21           SEA SIDE IMPACT-SL-16L-53-30K         1508         58         26           SEA SIDE IMPACT-SL-16L-53-40K         1612         62         26           SEA SIDE IMPACT-SL-16L-53-50K         1690         65         26           SEA SIDE IMPACT-SL-16L-7-30K         2030         58         35           SEA SIDE IMPACT-SL-16L-7-40K         2030         58         35           SEA SIDE IMPACT-SL-16L-7-50K         2170         62         35           SEA SIDE IMPACT-PR-16L-40-27K7         1397         67         21           SEA SIDE IMPACT-PR-16L-40-27K7         1397         67         21           SEA SIDE IMPACT-PR-16L-40-27K8         1308         62         21           SEA SIDE IMPACT-PR-16L-40-30K8         1402         67         21           SEA SIDE IMPACT-PR-16L-40-30K8         1402         67         21           SEA SIDE IMPACT-PR-16L-40-40K8         1510         72         21	SEA SIDE IMPACT-SL-16L-40-30K7	1169	56	21
SEA SIDE IMPACT-SL-16L-40-40K7         1263         60         21           SEA SIDE IMPACT-SL-16L-40-50K8         1169         56         21           SEA SIDE IMPACT-SL-16L-40-50K7         1263         60         21           SEA SIDE IMPACT-SL-16L-3-30K         1508         58         26           SEA SIDE IMPACT-SL-16L-53-30K         1508         58         26           SEA SIDE IMPACT-SL-16L-53-50K         1690         65         26           SEA SIDE IMPACT-SL-16L-7-30K         2030         58         35           SEA SIDE IMPACT-SL-16L-7-40K         2170         62         35           SEA SIDE IMPACT-SL-16L-7-50K         2275         65         35           SEA SIDE IMPACT-PR-16L-40-27K7         1397         67         21           SEA SIDE IMPACT-PR-16L-40-27K8         1308         62         21           SEA SIDE IMPACT-PR-16L-40-30K8         1402         67         21           SEA SIDE IMPACT-PR-16L-40-30K8         1402         67         21           SEA SIDE IMPACT-PR-16L-40-40K8         1510         72         21           SEA SIDE IMPACT-PR-16L-40-40K8         1510         72         21           SEA SIDE IMPACT-PR-16L-40-50K8         1510         72         21	SEA SIDE IMPACT-SL-16L-40-35K8	1085	52	21
SEA SIDE IMPACT-SL-16L-40-50K8         1169         56         21           SEA SIDE IMPACT-SL-16L-40-50K7         1263         60         21           SEA SIDE IMPACT-SL-16L-53-30K         1508         58         26           SEA SIDE IMPACT-SL-16L-53-40K         1612         62         26           SEA SIDE IMPACT-SL-16L-53-50K         1690         65         26           SEA SIDE IMPACT-SL-16L-7-30K         2030         58         35           SEA SIDE IMPACT-SL-16L-7-50K         2170         62         35           SEA SIDE IMPACT-SL-16L-7-50K         2275         65         35           SEA SIDE IMPACT-PR-16L-40-27K7         1397         67         21           SEA SIDE IMPACT-PR-16L-40-27K8         1308         62         21           SEA SIDE IMPACT-PR-16L-40-30K8         1402         67         21           SEA SIDE IMPACT-PR-16L-40-30K8         1402         67         21           SEA SIDE IMPACT-PR-16L-40-30K7         1510         72         21           SEA SIDE IMPACT-PR-16L-40-40K8         1510         72         21           SEA SIDE IMPACT-PR-16L-40-40K7         1632         78         21           SEA SIDE IMPACT-PR-16L-40-50K8         1510         72         21	SEA SIDE IMPACT-SL-16L-40-40K8	1169	56	21
SEA SIDE IMPACT-SL-16L-40-50K7         1263         60         21           SEA SIDE IMPACT-SL-16L-53-30K         1508         58         26           SEA SIDE IMPACT-SL-16L-53-40K         1612         62         26           SEA SIDE IMPACT-SL-16L-53-50K         1690         65         26           SEA SIDE IMPACT-SL-16L-7-30K         2030         58         35           SEA SIDE IMPACT-SL-16L-7-40K         2170         62         35           SEA SIDE IMPACT-SL-16L-7-50K         2275         65         35           SEA SIDE IMPACT-PR-16L-40-27K7         1397         67         21           SEA SIDE IMPACT-PR-16L-40-27K8         1308         62         21           SEA SIDE IMPACT-PR-16L-40-30K8         1402         67         21           SEA SIDE IMPACT-PR-16L-40-30K7         1510         72         21           SEA SIDE IMPACT-PR-16L-40-35K8         1402         67         21           SEA SIDE IMPACT-PR-16L-40-40K7         1632         78         21           SEA SIDE IMPACT-PR-16L-40-40K7         1632         78         21           SEA SIDE IMPACT-PR-16L-40-50K8         1510         72         21           SEA SIDE IMPACT-PR-16L-53-30K         2002         77         26	SEA SIDE IMPACT-SL-16L-40-40K7	1263	60	21
SEA SIDE IMPACT-SL-16L-53-30K         1508         58         26           SEA SIDE IMPACT-SL-16L-53-40K         1612         62         26           SEA SIDE IMPACT-SL-16L-53-50K         1690         65         26           SEA SIDE IMPACT-SL-16L-7-30K         2030         58         35           SEA SIDE IMPACT-SL-16L-7-40K         2170         62         35           SEA SIDE IMPACT-SL-16L-7-50K         2275         65         35           SEA SIDE IMPACT-PR-16L-40-27K7         1397         67         21           SEA SIDE IMPACT-PR-16L-40-27K8         1308         62         21           SEA SIDE IMPACT-PR-16L-40-30K8         1402         67         21           SEA SIDE IMPACT-PR-16L-40-30K8         1402         67         21           SEA SIDE IMPACT-PR-16L-40-30K7         1510         72         21           SEA SIDE IMPACT-PR-16L-40-40K8         1510         72         21           SEA SIDE IMPACT-PR-16L-40-40K7         1632         78         21           SEA SIDE IMPACT-PR-16L-40-50K8         1510         72         21           SEA SIDE IMPACT-PR-16L-50-50K8         1510         72         21           SEA SIDE IMPACT-PR-16L-53-30K         2002         77         26	SEA SIDE IMPACT-SL-16L-40-50K8	1169	56	21
SEA SIDE IMPACT-SL-16L-53-40K         1612         62         26           SEA SIDE IMPACT-SL-16L-53-50K         1690         65         26           SEA SIDE IMPACT-SL-16L-7-30K         2030         58         35           SEA SIDE IMPACT-SL-16L-7-40K         2170         62         35           SEA SIDE IMPACT-SL-16L-7-50K         2275         65         35           SEA SIDE IMPACT-PR-16L-40-27K7         1397         67         21           SEA SIDE IMPACT-PR-16L-40-27K8         1308         62         21           SEA SIDE IMPACT-PR-16L-40-30K8         1402         67         21           SEA SIDE IMPACT-PR-16L-40-30K7         1510         72         21           SEA SIDE IMPACT-PR-16L-40-30K8         1402         67         21           SEA SIDE IMPACT-PR-16L-40-40K8         1510         72         21           SEA SIDE IMPACT-PR-16L-40-40K7         1632         78         21           SEA SIDE IMPACT-PR-16L-40-50K8         1510         72         21           SEA SIDE IMPACT-PR-16L-40-50K7         1632         78         21           SEA SIDE IMPACT-PR-16L-40-50K7         1632         78         21           SEA SIDE IMPACT-PR-16L-53-30K         2002         77         26	SEA SIDE IMPACT-SL-16L-40-50K7	1263	60	21
SEA SIDE IMPACT-SL-16L-53-50K         1690         65         26           SEA SIDE IMPACT-SL-16L-7-30K         2030         58         35           SEA SIDE IMPACT-SL-16L-7-40K         2170         62         35           SEA SIDE IMPACT-SL-16L-7-50K         2275         65         35           SEA SIDE IMPACT-PR-16L-40-27K7         1397         67         21           SEA SIDE IMPACT-PR-16L-40-27K8         1308         62         21           SEA SIDE IMPACT-PR-16L-40-30K8         1402         67         21           SEA SIDE IMPACT-PR-16L-40-30K7         1510         72         21           SEA SIDE IMPACT-PR-16L-40-35K8         1402         67         21           SEA SIDE IMPACT-PR-16L-40-40K8         1510         72         21           SEA SIDE IMPACT-PR-16L-40-40K8         1510         72         21           SEA SIDE IMPACT-PR-16L-40-50K8         1510         72         21           SEA SIDE IMPACT-PR-16L-40-50K8         1510         72         21           SEA SIDE IMPACT-PR-16L-40-50K8         1510         72         21           SEA SIDE IMPACT-PR-16L-53-30K         2002         77         26           SEA SIDE IMPACT-PR-16L-53-30K         2106         81         26	SEA SIDE IMPACT-SL-16L-53-30K	1508	58	26
SEA SIDE IMPACT-SL-16L-7-30K         2030         58         35           SEA SIDE IMPACT-SL-16L-7-40K         2170         62         35           SEA SIDE IMPACT-SL-16L-7-50K         2275         65         35           SEA SIDE IMPACT-PR-16L-40-27K7         1397         67         21           SEA SIDE IMPACT-PR-16L-40-27K8         1308         62         21           SEA SIDE IMPACT-PR-16L-40-30K8         1402         67         21           SEA SIDE IMPACT-PR-16L-40-30K7         1510         72         21           SEA SIDE IMPACT-PR-16L-40-30K7         1510         72         21           SEA SIDE IMPACT-PR-16L-40-40K8         1510         72         21           SEA SIDE IMPACT-PR-16L-40-40K7         1632         78         21           SEA SIDE IMPACT-PR-16L-40-50K8         1510         72         21           SEA SIDE IMPACT-PR-16L-40-50K8         1510         72         21           SEA SIDE IMPACT-PR-16L-53-30K         2002         77         26           SEA SIDE IMPACT-PR-16L-53-30K         2002         77         26           SEA SIDE IMPACT-PR-16L-53-50K         2184         84         26           SEA SIDE IMPACT-PR-16L-7-30K         2695         77         35	SEA SIDE IMPACT-SL-16L-53-40K	1612	62	26
SEA SIDE IMPACT-SL-16L-7-40K       2170       62       35         SEA SIDE IMPACT-SL-16L-7-50K       2275       65       35         SEA SIDE IMPACT-PR-16L-40-27K7       1397       67       21         SEA SIDE IMPACT-PR-16L-40-27K8       1308       62       21         SEA SIDE IMPACT-PR-16L-40-30K8       1402       67       21         SEA SIDE IMPACT-PR-16L-40-30K7       1510       72       21         SEA SIDE IMPACT-PR-16L-40-35K8       1402       67       21         SEA SIDE IMPACT-PR-16L-40-40K8       1510       72       21         SEA SIDE IMPACT-PR-16L-40-40K7       1632       78       21         SEA SIDE IMPACT-PR-16L-40-50K8       1510       72       21         SEA SIDE IMPACT-PR-16L-40-50K8       1510       72       21         SEA SIDE IMPACT-PR-16L-53-30K       2002       77       26         SEA SIDE IMPACT-PR-16L-53-30K       2106       81       26         SEA SIDE IMPACT-PR-16L-53-50K       2184       84       26         SEA SIDE IMPACT-PR-16L-7-30K       2695       77       35         SEA SIDE IMPACT-PR-16L-7-40K       2835       81       35	SEA SIDE IMPACT-SL-16L-53-50K	1690	65	26
SEA SIDE IMPACT-SL-16L-7-50K       2275       65       35         SEA SIDE IMPACT-PR-16L-40-27K7       1397       67       21         SEA SIDE IMPACT-PR-16L-40-27K8       1308       62       21         SEA SIDE IMPACT-PR-16L-40-30K8       1402       67       21         SEA SIDE IMPACT-PR-16L-40-30K7       1510       72       21         SEA SIDE IMPACT-PR-16L-40-35K8       1402       67       21         SEA SIDE IMPACT-PR-16L-40-40K8       1510       72       21         SEA SIDE IMPACT-PR-16L-40-40K7       1632       78       21         SEA SIDE IMPACT-PR-16L-40-50K8       1510       72       21         SEA SIDE IMPACT-PR-16L-40-50K8       1510       72       21         SEA SIDE IMPACT-PR-16L-40-50K7       1632       78       21         SEA SIDE IMPACT-PR-16L-53-30K       2002       77       26         SEA SIDE IMPACT-PR-16L-53-40K       2106       81       26         SEA SIDE IMPACT-PR-16L-53-50K       2184       84       26         SEA SIDE IMPACT-PR-16L-7-30K       2695       77       35         SEA SIDE IMPACT-PR-16L-7-40K       2835       81       35	SEA SIDE IMPACT-SL-16L-7-30K	2030	58	35
SEA SIDE IMPACT-PR-16L-40-27K7       1397       67       21         SEA SIDE IMPACT-PR-16L-40-27K8       1308       62       21         SEA SIDE IMPACT-PR-16L-40-30K8       1402       67       21         SEA SIDE IMPACT-PR-16L-40-30K7       1510       72       21         SEA SIDE IMPACT-PR-16L-40-35K8       1402       67       21         SEA SIDE IMPACT-PR-16L-40-40K8       1510       72       21         SEA SIDE IMPACT-PR-16L-40-40K7       1632       78       21         SEA SIDE IMPACT-PR-16L-40-50K8       1510       72       21         SEA SIDE IMPACT-PR-16L-40-50K8       1510       72       21         SEA SIDE IMPACT-PR-16L-40-50K7       1632       78       21         SEA SIDE IMPACT-PR-16L-53-30K       2002       77       26         SEA SIDE IMPACT-PR-16L-53-30K       2106       81       26         SEA SIDE IMPACT-PR-16L-53-50K       2184       84       26         SEA SIDE IMPACT-PR-16L-730K       2695       77       35         SEA SIDE IMPACT-PR-16L-740K       2835       81       35	SEA SIDE IMPACT-SL-16L-7-40K	2170	62	35
SEA SIDE IMPACT-PR-16L-40-27K8       1308       62       21         SEA SIDE IMPACT-PR-16L-40-30K8       1402       67       21         SEA SIDE IMPACT-PR-16L-40-30K7       1510       72       21         SEA SIDE IMPACT-PR-16L-40-35K8       1402       67       21         SEA SIDE IMPACT-PR-16L-40-40K8       1510       72       21         SEA SIDE IMPACT-PR-16L-40-40K7       1632       78       21         SEA SIDE IMPACT-PR-16L-40-50K8       1510       72       21         SEA SIDE IMPACT-PR-16L-40-50K7       1632       78       21         SEA SIDE IMPACT-PR-16L-53-30K       2002       77       26         SEA SIDE IMPACT-PR-16L-53-30K       2106       81       26         SEA SIDE IMPACT-PR-16L-53-50K       2184       84       26         SEA SIDE IMPACT-PR-16L-730K       2695       77       35         SEA SIDE IMPACT-PR-16L-740K       2835       81       35	SEA SIDE IMPACT-SL-16L-7-50K	2275	65	35
SEA SIDE IMPACT-PR-16L-40-30K8       1402       67       21         SEA SIDE IMPACT-PR-16L-40-30K7       1510       72       21         SEA SIDE IMPACT-PR-16L-40-35K8       1402       67       21         SEA SIDE IMPACT-PR-16L-40-40K8       1510       72       21         SEA SIDE IMPACT-PR-16L-40-40K7       1632       78       21         SEA SIDE IMPACT-PR-16L-40-50K8       1510       72       21         SEA SIDE IMPACT-PR-16L-40-50K7       1632       78       21         SEA SIDE IMPACT-PR-16L-53-30K       2002       77       26         SEA SIDE IMPACT-PR-16L-53-40K       2106       81       26         SEA SIDE IMPACT-PR-16L-53-50K       2184       84       26         SEA SIDE IMPACT-PR-16L-730K       2695       77       35         SEA SIDE IMPACT-PR-16L-740K       2835       81       35	SEA SIDE IMPACT-PR-16L-40-27K7	1397	67	21
SEA SIDE IMPACT-PR-16L-40-30K7         1510         72         21           SEA SIDE IMPACT-PR-16L-40-35K8         1402         67         21           SEA SIDE IMPACT-PR-16L-40-40K8         1510         72         21           SEA SIDE IMPACT-PR-16L-40-40K7         1632         78         21           SEA SIDE IMPACT-PR-16L-40-50K8         1510         72         21           SEA SIDE IMPACT-PR-16L-40-50K7         1632         78         21           SEA SIDE IMPACT-PR-16L-53-30K         2002         77         26           SEA SIDE IMPACT-PR-16L-53-30K         2106         81         26           SEA SIDE IMPACT-PR-16L-53-50K         2184         84         26           SEA SIDE IMPACT-PR-16L-730K         2695         77         35           SEA SIDE IMPACT-PR-16L-740K         2835         81         35	SEA SIDE IMPACT-PR-16L-40-27K8	1308	62	21
SEA SIDE IMPACT-PR-16L-40-35K8       1402       67       21         SEA SIDE IMPACT-PR-16L-40-40K8       1510       72       21         SEA SIDE IMPACT-PR-16L-40-40K7       1632       78       21         SEA SIDE IMPACT-PR-16L-40-50K8       1510       72       21         SEA SIDE IMPACT-PR-16L-40-50K7       1632       78       21         SEA SIDE IMPACT-PR-16L-53-30K       2002       77       26         SEA SIDE IMPACT-PR-16L-53-40K       2106       81       26         SEA SIDE IMPACT-PR-16L-53-50K       2184       84       26         SEA SIDE IMPACT-PR-16L-7-30K       2695       77       35         SEA SIDE IMPACT-PR-16L-7-40K       2835       81       35	SEA SIDE IMPACT-PR-16L-40-30K8	1402	67	21
SEA SIDE IMPACT-PR-16L-40-40K8         1510         72         21           SEA SIDE IMPACT-PR-16L-40-40K7         1632         78         21           SEA SIDE IMPACT-PR-16L-40-50K8         1510         72         21           SEA SIDE IMPACT-PR-16L-40-50K7         1632         78         21           SEA SIDE IMPACT-PR-16L-53-30K         2002         77         26           SEA SIDE IMPACT-PR-16L-53-40K         2106         81         26           SEA SIDE IMPACT-PR-16L-53-50K         2184         84         26           SEA SIDE IMPACT-PR-16L-7-30K         2695         77         35           SEA SIDE IMPACT-PR-16L-7-40K         2835         81         35	SEA SIDE IMPACT-PR-16L-40-30K7	1510	72	21
SEA SIDE IMPACT-PR-16L-40-40K7     1632     78     21       SEA SIDE IMPACT-PR-16L-40-50K8     1510     72     21       SEA SIDE IMPACT-PR-16L-40-50K7     1632     78     21       SEA SIDE IMPACT-PR-16L-53-30K     2002     77     26       SEA SIDE IMPACT-PR-16L-53-40K     2106     81     26       SEA SIDE IMPACT-PR-16L-53-50K     2184     84     26       SEA SIDE IMPACT-PR-16L-730K     2695     77     35       SEA SIDE IMPACT-PR-16L-740K     2835     81     35	SEA SIDE IMPACT-PR-16L-40-35K8	1402	67	21
SEA SIDE IMPACT-PR-16L-40-50K8     1510     72     21       SEA SIDE IMPACT-PR-16L-40-50K7     1632     78     21       SEA SIDE IMPACT-PR-16L-53-30K     2002     77     26       SEA SIDE IMPACT-PR-16L-53-40K     2106     81     26       SEA SIDE IMPACT-PR-16L-53-50K     2184     84     26       SEA SIDE IMPACT-PR-16L-7-30K     2695     77     35       SEA SIDE IMPACT-PR-16L-7-40K     2835     81     35	SEA SIDE IMPACT-PR-16L-40-40K8	1510	72	21
SEA SIDE IMPACT-PR-16L-40-50K7     1632     78     21       SEA SIDE IMPACT-PR-16L-53-30K     2002     77     26       SEA SIDE IMPACT-PR-16L-53-40K     2106     81     26       SEA SIDE IMPACT-PR-16L-53-50K     2184     84     26       SEA SIDE IMPACT-PR-16L-7-30K     2695     77     35       SEA SIDE IMPACT-PR-16L-7-40K     2835     81     35	SEA SIDE IMPACT-PR-16L-40-40K7	1632	78	21
SEA SIDE IMPACT-PR-16L-53-30K         2002         77         26           SEA SIDE IMPACT-PR-16L-53-40K         2106         81         26           SEA SIDE IMPACT-PR-16L-53-50K         2184         84         26           SEA SIDE IMPACT-PR-16L-7-30K         2695         77         35           SEA SIDE IMPACT-PR-16L-7-40K         2835         81         35	SEA SIDE IMPACT-PR-16L-40-50K8	1510	72	21
SEA SIDE IMPACT-PR-16L-53-40K         2106         81         26           SEA SIDE IMPACT-PR-16L-53-50K         2184         84         26           SEA SIDE IMPACT-PR-16L-7-30K         2695         77         35           SEA SIDE IMPACT-PR-16L-7-40K         2835         81         35	SEA SIDE IMPACT-PR-16L-40-50K7	1632	78	21
SEA SIDE IMPACT-PR-16L-53-50K         2184         84         26           SEA SIDE IMPACT-PR-16L-7-30K         2695         77         35           SEA SIDE IMPACT-PR-16L-7-40K         2835         81         35	SEA SIDE IMPACT-PR-16L-53-30K	2002	77	26
SEA SIDE IMPACT-PR-16L-53-50K         2184         84         26           SEA SIDE IMPACT-PR-16L-7-30K         2695         77         35           SEA SIDE IMPACT-PR-16L-7-40K         2835         81         35	SEA SIDE IMPACT-PR-16L-53-40K	2106	81	26
SEA SIDE IMPACT-PR-16L-7-30K         2695         77         35           SEA SIDE IMPACT-PR-16L-7-40K         2835         81         35	SEA SIDE IMPACT-PR-16L-53-50K	2184	84	26
	SEA SIDE IMPACT-PR-16L-7-30K	2695	77	35
	SEA SIDE IMPACT-PR-16L-7-40K	2835	81	35
	SEA SIDE IMPACT-PR-16L-7-50K	2975	85	35

LUMEN MAINTENANCE DATA							
Ambient Temperature	Drive Current	L90 Hours*	L70 Hours**	30,000 Hours*	50,000 Hours*	60,00 Hours*	100,000 Hours**
25°C	Up to 700mA	58,000	173,000	95.7%	91.6%	89.6%	82.1%
*Reported extrapolations per IESNA TM-21 **Projected extrapolation				extrapolations pe	er IESNA TM-21		

### **LED KELVIN RANGE**















AMBER 585-600 nm









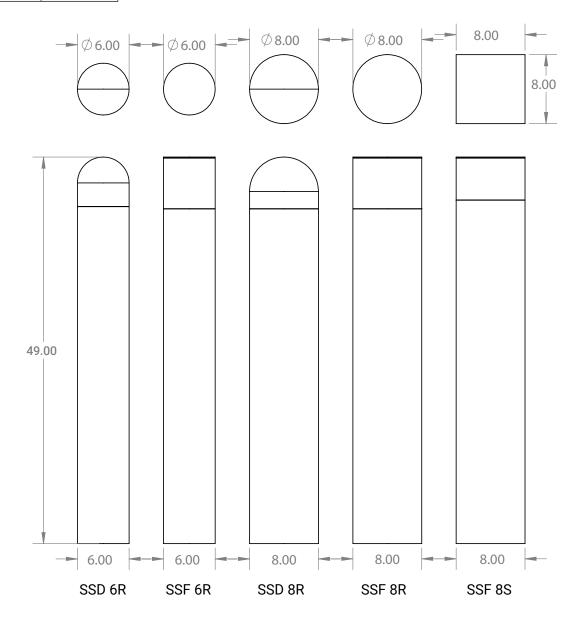


5000K 70 CRI



### **DIMENSIONS**

WEIGHT	
SS-6R-PR	14 LBS
SS-6R-SL	15 LBS
SS-6R-COG45	16 LBS
SS-8R-PR	19 LBS
SS-8R-SL	20 LBS
SS-8R-COG45	21 LBS
SS-8S-PR	33 LBS
SS-8S-SL	35 LBS
SS-8S-COG45	35 LBS



**SEA SIDE-SSD-6R** 



**SEA SIDE-SSF-6R** 



### **SEA SIDE-SSD-8R**



**SEA SIDE-SSF-8R** 





### **SEA SIDE-SSF-8S**



### **MOUNTING**

In-ground cement with rebar support cage (refer to insatallation instructions)

