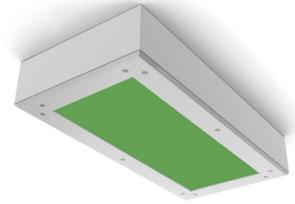


PROJECT: \_\_\_\_\_  
 TYPE: \_\_\_\_\_  
 PRODUCT: \_\_\_\_\_  
 APPROVED BY: \_\_\_\_\_



SSS

## PRODUCT FEATURES

- Intended for Surgical Suites, Operating Rooms, Burn Units, and more
- Surface Mount surgical troffer available in a 1x2, 1x4, 2x2, 2x4 dimensions
- Green 530nm LED lighting for increased visual comfort. Available with green LEDs only or a combination of green and white LEDs
- Available with symmetric or asymmetric acrylic lens with RFI Grid
- Certified IP65 per IEC60598. Meets ISO 3 (Fed Std. 209E/ Class 1) Cleanroom rating. NSF2 Splash/Non-Food Zone
- This product is Made in America and complies with the Buy American Act (BAA)



## ORDERING INFORMATION

Example: SSS24-HC/OC-GN6-1C-A-UN

| SS            | S                              |   |  |   |  |
|---------------|--------------------------------|---|--|---|--|
| <b>Series</b> | <b>Mounting</b><br>S = Surface | <b>Nominal Size</b><br>12 = 1x2<br>14 = 1x4<br>22 = 2x2<br>24 = 2x4<br><br>*Nominal size. Dimensional data on Page 2. | <b>Housing</b><br>HC = 20Ga. CRS Painted<br>HS = 20Ga. SS Brushed<br>HP = 20Ga. SS Painted<br>HA = 16Ga. Alum. Painted | <b>Frame*</b><br>INSET (I)* or OVERLAP (O)<br>OC = 18Ga. CRS Painted<br>OS = 18Ga. SS Brushed<br>OP = 18Ga. SS Painted<br>OA = 16Ga. Alum. Painted<br>IC = 20Ga. CRS Painted*<br>IA = 16Ga. Alum. Painted*<br>IB = 20Ga. SS Brushed*<br>IS = 20Ga. SS Painted*<br><br>*Inset frames (I) suitable for Biosafety Labs (BSL) rated 1-2 only. | <b>Green/White LED*</b><br><b>SSS12-14:</b><br>GN2 = 2 Green LEDs<br>GN3 = 3 Green LEDs<br>G1W2 = 1 Green/2 White<br>G2W1 = 2 Green/1 White<br><b>SSS22-24:</b><br>GN2 = 2 Green LEDs<br>GN4 = 4 Green LEDs<br>GN6 = 6 Green LEDs<br>G2W2 = 2 Green/2 White<br>G2W4 = 2 Green/4 White<br>G2W6 = 2 Green/6 White<br>G4W2 = 4 Green/2 White<br>G6W2 = 6 Green/2 White<br><br>*Subject to change. Data on page 3. |

|   |   |  |  |   |
|---|---|--|--|---|
| <b>White Color Temp.</b><br>0 = No White LEDs<br>35 = 3500K<br>40 = 4000K<br>50 = 5000K | <b>Circuits</b><br>1C = 1 Circuit*<br>2C = 2 Circuits**<br><br>*N/A with Green and White configuration.<br>**If only Green is specified, it allows for inboard / outboard control. Green and White circuits will be independently controlled. | <b>Lens</b><br>A = .125 Prismatic Acrylic<br>E = .125 White Frosted Poly.<br>R = .125 Symmetric Prismatic Acrylic with RFI Grid<br>S = .125 Asymmetric Acrylic with RFI Grid and .080 White Frost Acrylic diffuser | <b>Voltage</b><br>12 = 120V<br>27 = 277V<br>UN = Universal (120V-277V) | <b>Options</b><br>FZ1 = Fuse (120V)<br>FZ2 = Fuse (277V)<br>SD2 = Step Dim. Module (50-100%)<br>SD3 = Step Dim. Module (30-70-100%)<br>EL1 = Emerg. Batt. LED Low (10W)*<br>EL2 = Emerg. Batt. LED High (20W)*<br>RF= (RIF) Radio Interference Filter<br>TH = Torx® Head screws (with center pin)<br>RM = Row Mount (N/A with P442 Option)**<br>90C = 90 CRI<br>TGG = Triple Gasketing (Grid)***<br>TGF = Triple Gasketing (Flange)***<br>IP66 = IP66 Rated (Overlapping frame only)<br><br>*SSS12 Remote Battery. Consult factory for CA Title 24 options.<br>**Joiner bracket supplied. Fixture dimensions subject to change. Consult factory for custom wiring or knockouts.<br>***Must specify A or E Lens. |
|---|---|--|--|---|



**New Star Lighting**

2225 W Pershing Rd, Chicago, IL 60609  
 (773) 847-1400  
 www.newstarlighting.com

Specifications and dimensions are subject to change without notice. For additional options and dimensional details, please consult your New Star Lighting representative.

## SPECIFICATIONS

**HOUSING:** 20-Gauge formed cold rolled steel housing with continuous seam welds. Aluminum and stainless steel options available.

**DOORFRAME:** Inset or overlapping doorframe available in aluminum, cold rolled steel, and stainless steel. Extruded inset door available in anodized aluminum or white painted aluminum. Frame secured to housing via aircraft cable.

**LENS:** Available with symmetric or asymmetric acrylic with RFI grid. Asymmetric lens serves as inner lens with a .080 white frosted acrylic outer lens for smooth surface. Optional prismatic acrylic or polycarbonate lens installed with smooth side out (does not require additional outer lens). Inset (cold rolled steel, stainless steel and .050 alum). Overlapping frame uses a rail hold down system.

**LED:** Available with 530nm Green LED, or a combination of Green/White LEDs. Green LEDs will be installed every other row, unless otherwise specified. White LEDs available in three color temperatures 3500K, 4000K and 5000K with maximum 3-step MacAdam variation allowance. Other color temperatures available, consult factory. Minimum 50,000 hours with 70% lumen maintenance in a 25°C ambient temperature, compliant with IES LM-80 testing standards.

**ELECTRICAL:** 120-277VAC or 347VAC 50/60HZ electrical input high power factor electronic, constant current driver (<20% THD, >0.95 PF). Each function is independently circuited for individual control. Standard 0-10V dimming with 1-100% range. Step dimming options available.

**FASTENERS:** Stainless steel Philips flat head screws with captive cage nuts. Finish to match housing.

**FINISH:** White antimicrobial powder coat finish following multi-stage iron phosphate pretreatment.

**GASKET:** Closed cell EPDM and closed cell silicone gaskets prevent air contaminations from entering the fixture.

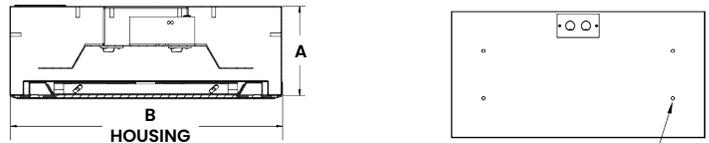
**INSTALLATION:** Surface installation. Mounting for custom ceilings available, consult factory.

**WARRANTY:** 5 Year Warranty.

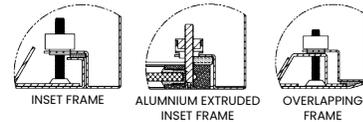
**LABEL:** Certified IP65 per IEC60598. Meets ISO 3 (Fed Std. 209E/ Class 1) cleanroom rating. NSF2 Splash/Non-Food Zone. This product was Made in America and complies with the Buy American Act (BAA) requirements

## DIMENSIONAL DATA

Fixture weight varies and is dependent upon chosen specifications. Consult factory for additional information. Average weight of the SSS14 is 27lb. Average weight of the SSS24 is 48lb.



SSS12: (4) Ø.31" HOLE  
 SSS14: (6) Ø.31" HOLE  
 SSS22: (4) Ø.31" HOLE  
 SSS24: (6) Ø.31" HOLE



|              | A     | B               |
|--------------|-------|-----------------|
| <b>SSS12</b> | 3.94" | 12.00" x 24.07" |
| <b>SSS14</b> | 3.94" | 12.00" x 48.07" |
| <b>SSS22</b> | 3.94" | 24.00" x 24.07" |
| <b>SSS24</b> | 3.94" | 24.00" x 48.07" |

## PERFORMANCE DATA\*

\*Data is with 80 CRI chip. LEDs are frequently updated therefore values may change without notice.

| MODEL | OUTPUT                  | COLOR TEMP. | LUMENS DELIVERED | EFFICACY (lm/w) | INPUT POWER (W) |
|-------|-------------------------|-------------|------------------|-----------------|-----------------|
| SSS12 | G1W2<br>1 Green/2 White | 3500K       | 2875             | 115             | 25              |
|       |                         | 4000K       | 3000             | 120             | 25              |
|       |                         | 5000K       | 3125             | 125             | 25              |
|       |                         | Green       | 725              | 52              | 14              |
|       | G2W1<br>2 Green/1 White | 3500K       | 1438             | 115             | 12.5            |
|       |                         | 4000K       | 1500             | 120             | 12.5            |
|       |                         | 5000K       | 1563             | 125             | 12.5            |
|       |                         | Green       | 1450             | 36              | 28              |
| SSS14 | G1W2<br>1 Green/2 White | 3500K       | 5750             | 115             | 50              |
|       |                         | 4000K       | 6000             | 120             | 50              |
|       |                         | 5000K       | 6250             | 125             | 50              |
|       |                         | Green       | 1450             | 52              | 28              |
|       | G2W1<br>2 Green/1 White | 3500K       | 2875             | 115             | 25              |
|       |                         | 4000K       | 3000             | 120             | 25              |
|       |                         | 5000K       | 3125             | 125             | 25              |
|       |                         | Green       | 2900             | 52              | 56              |
| SSS22 | G2W2<br>2 Green/2 White | 3500K       | 3000             | 120             | 25              |
|       |                         | 4000K       | 3125             | 125             | 25              |
|       |                         | 5000K       | 3250             | 130             | 25              |
|       |                         | Green       | 1375             | 49              | 28              |
|       | G2W4<br>2 Green/4 White | 3500K       | 6000             | 120             | 50              |
|       |                         | 4000K       | 6250             | 125             | 50              |
|       |                         | 5000K       | 6500             | 130             | 50              |
|       |                         | Green       | 1375             | 49              | 28              |
|       | G2W6<br>2 Green/6 White | 3500K       | 8625             | 115             | 75              |
|       |                         | 4000K       | 9000             | 120             | 75              |
|       |                         | 5000K       | 9375             | 125             | 75              |
|       |                         | Green       | 1375             | 49              | 28              |
|       | G4W2<br>4 Green/2 White | 3500K       | 3000             | 120             | 25              |
|       |                         | 4000K       | 3125             | 125             | 25              |
|       |                         | 5000K       | 3250             | 130             | 25              |
|       |                         | Green       | 2750             | 49              | 28              |
|       | G6W2<br>6 Green/2 White | 3500K       | 3000             | 120             | 25              |
|       |                         | 4000K       | 3125             | 125             | 25              |
|       |                         | 5000K       | 3250             | 130             | 25              |
|       |                         | Green       | 4100             | 49              | 84              |



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## PERFORMANCE DATA CONT\*

\*Data is with 80 CRI chip. LEDs are frequently updated therefore values may change without notice.

| MODEL | OUTPUT                  | COLOR TEMP. | LUMENS DELIVERED | EFFICACY (lm/w) | INPUT POWER (W) |
|-------|-------------------------|-------------|------------------|-----------------|-----------------|
| SSS24 | G2W2<br>2 Green/2 White | 3500K       | 6000             | 120             | 50              |
|       |                         | 4000K       | 6250             | 125             | 50              |
|       |                         | 5000K       | 6500             | 130             | 50              |
|       |                         | Green       | 3250             | 59              | 55              |
|       | G2W4<br>2 Green/4 White | 3500K       | 12000            | 120             | 100             |
|       |                         | 4000K       | 12500            | 125             | 100             |
|       |                         | 5000K       | 13000            | 130             | 100             |
|       |                         | Green       | 3250             | 59              | 55              |
|       | G2W6<br>2 Green/6 White | 3500K       | 17250            | 115             | 150             |
|       |                         | 4000K       | 18000            | 120             | 150             |
|       |                         | 5000K       | 18750            | 125             | 150             |
|       |                         | Green       | 3250             | 59              | 55              |
|       | G4W2<br>4 Green/2 White | 3500K       | 6000             | 120             | 50              |
|       |                         | 4000K       | 6250             | 125             | 50              |
|       |                         | 5000K       | 6500             | 130             | 50              |
|       |                         | Green       | 6450             | 59              | 110             |
|       | G6W2<br>6 Green/2 White | 3500K       | 6000             | 120             | 50              |
|       |                         | 4000K       | 6250             | 125             | 50              |
|       |                         | 5000K       | 6500             | 130             | 50              |
|       |                         | Green       | 9800             | 59              | 165             |

| MODEL | OUTPUT             | LUMENS DELIVERED | EFFICACY (lm/w) | INPUT POWER (W) |
|-------|--------------------|------------------|-----------------|-----------------|
| SS12  | GN2 = 2 Green LEDs | 1450             | 52              | 28              |
|       | GN3 = 3 Green LEDs | 2200             | 52              | 42              |
| SS14  | GN2 = 2 Green LEDs | 2900             | 52              | 56              |
|       | GN3 = 3 Green LEDs | 4400             | 52              | 84              |
| SS22  | GN2 = 2 Green LEDs | 1375             | 49              | 28              |
|       | GN4 = 4 Green LEDs | 2750             | 49              | 56              |
|       | GN6 = 6 Green LEDs | 4100             | 49              | 84              |
| SS24  | GN2 = 2 Green LEDs | 3250             | 59              | 55              |
|       | GN4 = 4 Green LEDs | 6450             | 59              | 110             |
|       | GN6 = 6 Green LEDs | 9800             | 59              | 165             |



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