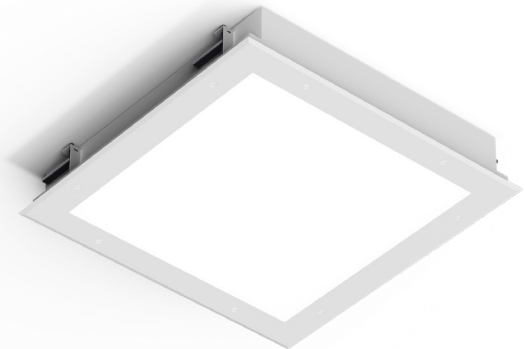


PROJECT: \_\_\_\_\_  
 TYPE: \_\_\_\_\_  
 PRODUCT: \_\_\_\_\_  
 APPROVED BY: \_\_\_\_\_

## PRODUCT FEATURES

- Intended for Surgical Suites, Operating Rooms, Burn Units, and other areas where access to the plenum is required
- Recessed grid or flange surgical troffer available in a 2x2, 2x4 dimensions
- Available with symmetric or asymmetric acrylic lens
- Cetified IP65 per IEC60598. Meets ISO 4 (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) and the Build America, Buy America Act (BABAA)



StarSurgical™ Plenum Access Series

## ORDERING INFORMATION

Example: SPA-R24-HC/OC-L230-90C-1C-A-UN



| SPA    | R                                         |                                                                                               |                                                               | /                                                                                                                                                                                                                                                                       |                                                                                                                   |                                                                                     |                                     |
|--------|-------------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------|
| Series | Mounting<br>R = Recessed<br>(Grid/Flange) | Nominal Size*<br>22 = 2x2<br>24 = 2x4<br><br>*Nominal size.<br>Dimensional<br>data on Page 2. | Housing<br>HC = 20Ga. CRS Painted<br>HA = 16Ga. Alum. Painted | Frame*<br>INSET (I)* or OVERLAP (O)<br>OC = 18Ga. CRS Painted<br>OS = 18Ga. 304 SS Brushed<br>OP = 18Ga. 304 SS Painted<br>OA = 16Ga. Alum. Painted<br>IC = 20Ga. CRS Painted*<br>IA = 16Ga. Alum. Painted*<br>IB = 20Ga. 304 SS Brushed*<br>IS = 20Ga. 304 SS Painted* | Lumen Output*<br>SSS22-24:<br>L2 = Low<br>L4 = Standard<br>L6 = Medium<br>L8 = High<br>CL = Custom Lumen Output** | White Color<br>Temp.<br>0 = No White LEDs<br>35 = 3500K<br>40 = 4000K<br>50 = 5000K | CRI<br>80C = 80 CRI<br>90C = 90 CRI |

\*Subject to change. Performance Data on page 3.  
 \*\*Must be specified at time of quote. Must not exceed fixture maximum output.

| Circuits<br>1C = 1 Circuit<br>2C = 2 Circuits*<br><br>*Allows for Inboard/<br>Outboard control.<br>N/A with L2.<br>2C not available<br>with L2 Lumen<br>Output options. | Lens<br>A = .125 Prismatic Acrylic<br>B = .125 Prismatic Poly.<br>C = .156 Prismatic Poly.<br>D = .187 Prismatic Poly.<br>E = .125 White Frosted Poly.<br>G = .140 Prismatic DR Acrylic<br>S = .125 Asymmetric Acrylic and<br>.080 White Frost Acrylic diffuser | Voltage<br>12 = 120V<br>27 = 277V<br>UN = Universal<br>(120V-277V) | Driver<br>DMI = 0-10V Dimming with 1-100% range<br>SD2 = Step Dim. Driver (50-100%)<br>SD3 = Step Dim. Driver (30-70-100%) | Options<br>FZ1 = Fuse (120V)<br>FZ2 = Fuse (277V)<br>EL1 = Emerg. Batt. LED Low (10W)*<br>EL2 = Emerg. Batt. LED High (20W)*<br>TH = Tamper-resistant Torx* head fasteners<br>RM = Row Mount**<br>TGG = Triple Gasketing (Grid)<br>TGF = Triple Gasketing (Grid)<br>MS = MIL-STD-461G***<br><br>*SSR12 Remote Battery. Consult factory for CA Title 24 options.<br>**Joiner bracket supplied. Fixture dimensions subject to change.<br>Consult factory for custom wiring or knockouts.<br>***N/A with UN voltage, must specify voltage. |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|



**New Star Lighting**

2225 W Pershing Rd, Chicago, IL 60609  
 (773) 847-1400  
[www.newstarlighting.com](http://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. Optional 16 gauge aluminum. Gasketed access panel allows access to plenum from room-side.

**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 (Not IP65 rated). Frame secured to housing via aircraft cable.

**LENS:** Available with symmetric or asymmetric acrylic. 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).

**LED:** 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 environment, compliant with IES LM-80 testing standards.

**ELECTRICAL:** 120-277VAC electrical input high power factor electronic, constant current driver (<20% THD, >0.90 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 doorframe.

**FINISH:** White antimicrobial polyester 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. Gasketing seals lens to doorframe and doorframe to housing. Optional triple gasketing seals between the fixture and the ceiling. Must specify Grid or Flange installation.

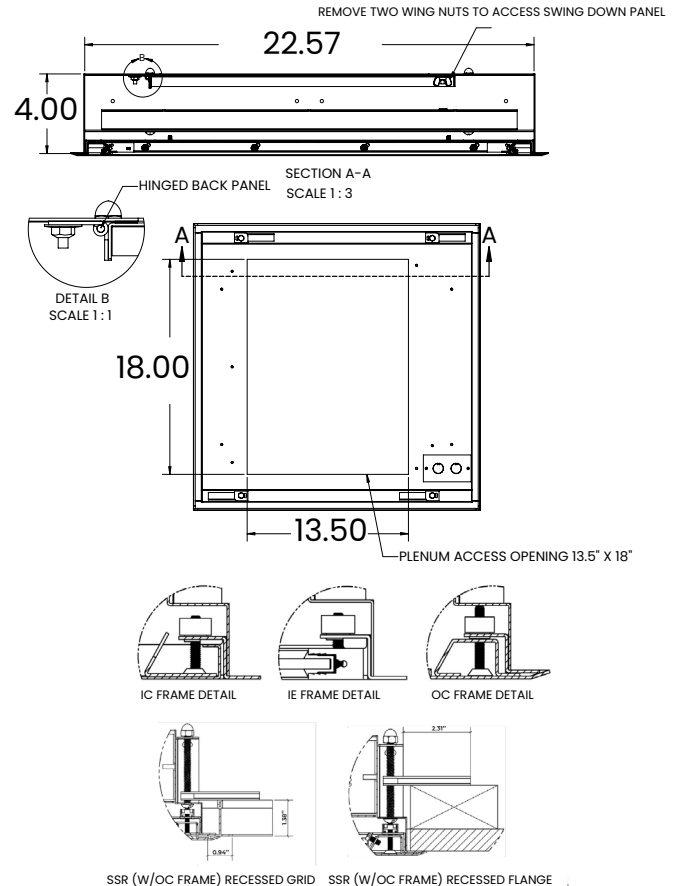
**INSTALLATION:** Universal recessed mounting accommodates Grid and Flange installations. Luminaires will be supplied with adjustable swing arms that can be used for Flange applications or secured to the side of housing for Grid applications. Compatible with 1-1/2" and 15/16" Grid systems. Mounting for custom ceilings available, consult factory.

**WARRANTY:** 5 Year Warranty.

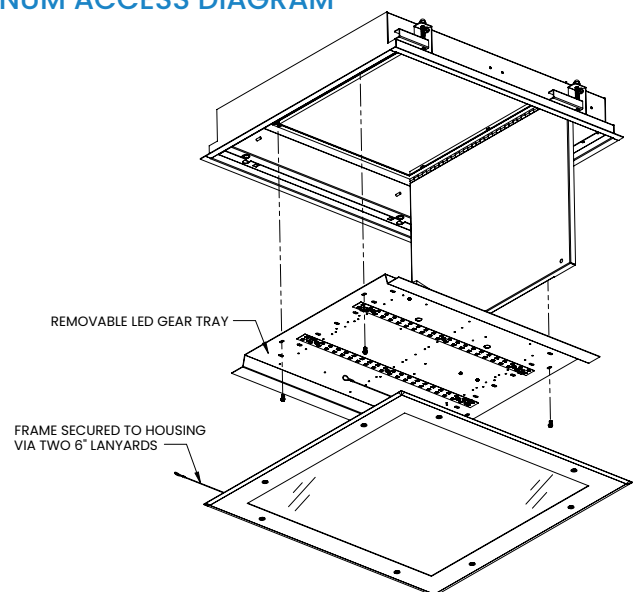
**LABEL:** Certified IP65 per IEC60598. Meets ISO 3 (Fed Std. 209E/ Class 1) cleanroom rating. NSF2 Splash/Non-Food Zone. Suitable for Biosafety Labs rated BSL 1 to 4. BSL Levels 3 & 4 require specifying optional NSF Protocol P442 rating. This product was Made in America and complies with the Buy American Act (BAA) and the Build America, Buy America Act (BABAA).

## DIMENSIONAL DATA

Fixture weight varies and is dependent upon chosen specifications. Consult factory for additional information. Average weight of the SPA-R22 is 27lb. Average weight of the SPA-R24 is 48lb.



## PLENUM ACCESS DIAGRAM



**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.

© 2026, New Star Lighting. All rights reserved. Unauthorized duplication or distribution is prohibited.

## 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) |
|-------|---------------|-------------|------------------|-----------------|-----------------|
| SSR22 | L2 = LOW      | 3500K       | 3000             | 120             | 25              |
|       |               | 4000K       | 3125             | 125             | 25              |
|       |               | 5000K       | 3250             | 130             | 25              |
|       | L4 = STANDARD | 3500K       | 6000             | 120             | 50              |
|       |               | 4000K       | 6250             | 125             | 50              |
|       |               | 5000K       | 6500             | 130             | 50              |
|       | L6 = MEDIUM   | 3500K       | 8625             | 115             | 75              |
|       |               | 4000K       | 9000             | 120             | 75              |
|       |               | 5000K       | 9375             | 125             | 75              |
|       | L8 = HIGH     | 3500K       | 11500            | 115             | 100             |
|       |               | 4000K       | 12000            | 120             | 100             |
|       |               | 5000K       | 12500            | 125             | 100             |
| SSR24 | L2 = LOW      | 3500K       | 6000             | 120             | 50              |
|       |               | 4000K       | 6250             | 125             | 50              |
|       |               | 5000K       | 6500             | 130             | 50              |
|       | L4 = STANDARD | 3500K       | 12000            | 120             | 100             |
|       |               | 4000K       | 12500            | 125             | 100             |
|       |               | 5000K       | 13000            | 130             | 100             |
|       | L6 = MEDIUM   | 3500K       | 17250            | 115             | 150             |
|       |               | 4000K       | 18000            | 120             | 150             |
|       |               | 5000K       | 18750            | 125             | 150             |
|       | L8 = HIGH     | 3500K       | 23000            | 115             | 200             |
|       |               | 4000K       | 24000            | 120             | 200             |
|       |               | 5000K       | 25000            | 125             | 200             |



**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.

© 2026, New Star Lighting. All rights reserved. Unauthorized duplication or distribution is prohibited.