

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

## PRODUCT FEATURES

- Intended for Hybrid Surgical Suites, Operating Rooms, Examination Rooms, and more
- Recessed or surface mount non-ferrous surgical troffer available 2x2 and 2x4 dimensions
- Available with asymmetric acrylic lens
- 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) and the Build America, Buy America Act (BABAA)



SSS

## ORDERING INFORMATION

Example: SSS24-MRI-HA/OA-L440-90C-1C-A-UN-DMI



| SS                                         |                                                |                                                                                               | MRI                                                                                                                                                                    | HA /                                      |                                                                                                                                                   |                                                                                                                                                                                                                                                          |                                                                                    |
|--------------------------------------------|------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>Series</b>                              | <b>Mounting</b><br>S = Surface<br>R = Recessed | <b>Nominal Size</b><br>22 = 2x2<br>24 = 2x4<br><br>*Nominal size. Dimensional data on Page 2. | <b>MRI</b> = Remote Driver. Remote Power Supply, ordered separately. Requires proper filter components supplied by others. Consult factory for additional information. | <b>Housing</b><br>HA = 16Ga. Alum Painted | <b>Frame</b><br>INSET (I) or OVERLAP (O)<br>OA = 16Ga. Alum. Painted<br>IA = 16Ga. Alum. Painted                                                  | <b>Lumen Output*</b><br>L2 = Low<br>L4 = Standard<br>L6 = Medium<br>L8 = High<br>CL = Custom Lumen Output**<br><br>*Subject to change. Performance Data on page 3 & 4.<br>** Must be specified at time of quote. Must not exceed fixture maximum output. | <b>Color Temp.</b><br>35 = 3500K<br>40 = 4000K<br>50 = 5000K                       |
| <b>CRI</b><br>80C = 80 CRI<br>90C = 90 CRI |                                                |                                                                                               | <b>Circuits</b><br>1C = 1 Circuit<br>2C = 2 Circuits*<br><br>*Allows for Inboard/Outboard control. 2C not available with L2 Lumen Output options.                      |                                           | <b>Lens</b><br>A = .125 Prismatic Acrylic<br>E = .125 White Frosted Poly.<br>S = .125 Asymmetric Acrylic and .080 White Frosted Acrylic diffuser* |                                                                                                                                                                                                                                                          | <b>Voltage</b><br>12 = 120V<br>27 = 277V<br>34 = 347V<br>UN = Universal (120-277V) |

## POWER ENCLOSURE ORDERING INFORMATION

EXAMPLE: SSR24-PS-2-2C-DM

| SS            |                                                |                                     | PS                                                                                                                                                                                                                       |                                                                                                                                                       |                                                                                                                                                    |                                                                                                  |
|---------------|------------------------------------------------|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| <b>Series</b> | <b>Mounting</b><br>S = Surface<br>R = Recessed | <b>Size</b><br>22 = 2x2<br>24 = 2x4 | <b>PS</b> =Power Enclosure*<br><br>*Up to 8 drivers can be in a Power Enclosure depending on quantity of fixtures ordered. Consult factory for custom configurations. Configuration must be determined at time of order. | <b>Drivers per Fixture*</b><br><br>*Please refer to chart on page 5. Requires proper filtration components, by others. Each driver requires a filter. | <b>Circuits</b><br>1C = 1 Circuit<br>2C = 2 Circuits*<br><br>*Allows for Inboard/ Outboard control. 2C not available with L2 Lumen Output options. | <b>Options</b><br>DM = 0-10V dimming with 10-100% range<br>DMI = 0-10V dimming with 1-100% range |



**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.

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## SPECIFICATIONS

**HOUSING:** 16-gauge aluminum housing standard.

**FRAME:** Inset or overlapping doorframe available in aluminum. Frame held to housing via aircraft cable.

**LENS:** See lens options below. Inset and Overlapping frame uses a rail hold down system.

**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, compliant with IES LM-80 testing standards.

**ELECTRICAL:** 120-277VAC 50/60HZ electrical input high power factor electronic, constant current driver (<20% THD, >0.90 PF). 0-10V dimming with 1-100% or 10-100% 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 contaminants from entering the fixture. Gasketing seals lens to doorframe and doorframe to housing.

**POWER ENCLOSURE:** LED driver included – must be remote mount. Must order Power Enclosure separately. Consult factory for more information. MRI room EMI filter required, supplied by others.

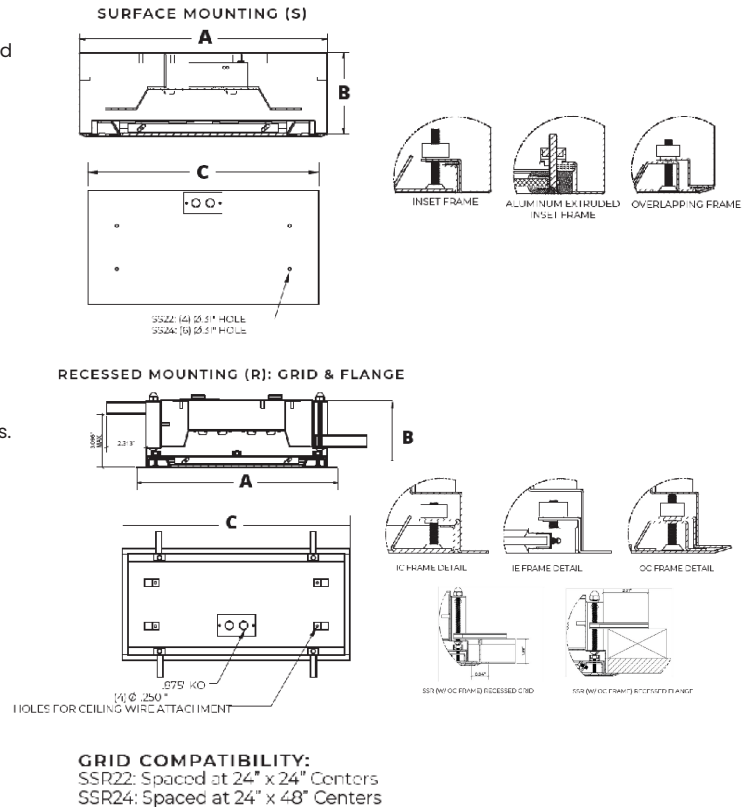
**MOUNTING:** Surface (S) or Recessed (R) installation. Recessed mounting accommodates Grid and Flange installations. Recessed fixtures will be supplied with adjustable swing arms that can be used for Flange applications or taped to the side for Grid applications. Recessed install compatible with 1-1/2" 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. 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 SSS24 is 48lb.



|              | A      | B     | C      |
|--------------|--------|-------|--------|
| <b>SSS22</b> | 24.00" | 3.94" | 24.07" |
| <b>SSS24</b> | 24.00" | 3.94" | 48.07" |
| <b>SSR22</b> | 23.69" | 4.00" | 23.69" |
| <b>SSR24</b> | 23.69" | 4.00" | 47.69" |



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## 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) |
|-------|---------------|-------------|------------------|-----------------|-----------------|
| SS22  | 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             |
| SS24  | L2 = LOW      | 3500K       | 6000             | 120             | 25              |
|       |               | 4000K       | 6250             | 125             | 25              |
|       |               | 5000K       | 6500             | 130             | 25              |
|       | L4 = STANDARD | 3500K       | 12000            | 120             | 50              |
|       |               | 4000K       | 12500            | 125             | 50              |
|       |               | 5000K       | 13000            | 130             | 50              |
|       | L6 = MEDIUM   | 3500K       | 17250            | 115             | 75              |
|       |               | 4000K       | 18000            | 120             | 75              |
|       |               | 5000K       | 18750            | 125             | 75              |
|       | L8 = HIGH     | 3500K       | 23000            | 115             | 100             |
|       |               | 4000K       | 24000            | 120             | 100             |
|       |               | 5000K       | 25000            | 125             | 100             |



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POWER ENCLOSURE: NUMBER OF DRIVERS PER FIXTURE

| SERIES | SIZE     | LUMEN OUTPUT  | NUMBER OF DRIVERS PER FIXTURE |
|--------|----------|---------------|-------------------------------|
| SS     | 22 = 2x2 | L2 = LOW      | 1                             |
|        |          | L4 = STANDARD | 1                             |
|        |          | L6 = MEDIUM   | 2                             |
|        |          | L8 = HIGH     | 2                             |
|        | 24 = 2x4 | L2 = LOW      | 1                             |
|        |          | L4 = STANDARD | 2                             |
|        |          | L6 = MEDIUM   | 3                             |
|        |          | L8 = HIGH     | 4                             |

## IMPORTANT SAFETY MEASURES

Power must be supplied by grounded New Star Remote Power Supply to ensure adequate EMI filtering. Remote Power Supply system must be ordered separately, and installed according to provided instructions.

- This must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved in a MRI environment
- Disconnect power to all circuits before wiring fixture
- Install in accordance with all national, state, and local codes
- Remote Power Supply MUST be grounded
- Failure to install unit on a mechanically sound surface may result in personal injury, physical damage, or potential fire hazard
- Use installation procedures appropriate to a MRI environment and sensitive electronic equipment
- Read all fixture marketing and labels to ensure correct installation of the luminaire
- Supplemental instructions may be located on the luminaire, in addition to the instruction sheet provided by New Star, regarding orientation or mounting restrictions



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SPECIFIER ACKNOWLEDGMENT

Contractor acknowledges and understands the requirements of installing New Star Lighting products prior to the installation.

**Please sign below before New Star Lighting releases your order.**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

Project Name: \_\_\_\_\_

----- See next page for MRI installation registration checklist -----



## MRI INSTALLATION REGISTRATION CHECKLIST

Customer acknowledges that attached Installation Registration Checklist will be provided to the installer to sign and return to New Star Lighting after the installation is complete. **Please fill out this form and return to your New Star Lighting Representative.**

*The warranty for your MRI installation will not go into effect until receipt of this signed registration checklist.*

I certify that the lighting installation for the listed MRI suite is completed per the provided installation instructions and to the best of my abilities.

Please check off to denote status:

Installation instruction sheet for Remote Power Supply is read and followed.

Remote Power supply is located outside the shielded MRI exam room and grounded.

All dimming signals wiring is located outside the shielded MRI room.

Lighting system fully tested (including dimming operation if applicable) while MRI machine is in idle mode.

Lighting system fully tested (including dimming operation, if applicable) while MRI machine is in scan operation mode with the magnets fully activated.

If any of those steps cannot be completed or you need technical assistance, please contact your New Star Lighting Representative.

Electrical Contractor

Installation site

Name: \_\_\_\_\_

Project Name: \_\_\_\_\_

Phone: \_\_\_\_\_

City / State (Province): \_\_\_\_\_

Installation date: \_\_\_\_\_

Send the form to your New Star Lighting Representative.

New Star Lighting Representative: \_\_\_\_\_

Date: \_\_\_\_\_



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