

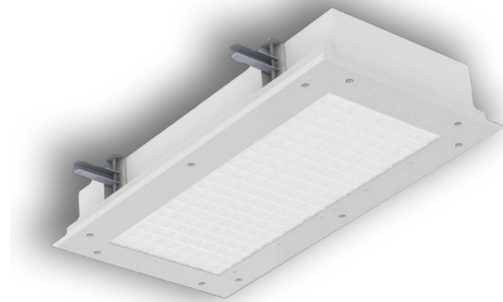
# STARSURGICAL™ RECESSED SERIES



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

## PRODUCT FEATURES

- Intended for Surgical Suites, Operating Rooms, Examination Rooms, and more
- Recessed grid or flange surgical troffer available in a 1x2, 1x4, 2x2, 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. Suitable for Biosafety Labs rated BSL 1 to 4. BSL Levels 3 & 4 require specifying optional NSF Protocol P442 rating
- This product is Made in America and complies with the Buy American Act (BAA) and the Build America, Buy America Act (BABAA)



SSR

## ORDERING INFORMATION

Example: SSR14-HC/OC-L440-90C-1C-A-UN-DM1



SS	R						
Series	Mounting R = Recessed (Grid/Flange)	Nominal Size* 12 = 1x2 14 = 1x4 22 = 2x2 24 = 2x4  *Nominal size. Dimensional data on Page 2.	Housing HC = 20Ga. CRS Painted HS = 20Ga. SS Brushed HP = 20Ga. SS Painted HA = 16Ga. Alum. Painted	Frame* INSET (I)* or OVERLAP (O) OC = 18Ga. CRS Painted OS = 18Ga. SS Brushed OP = 18Ga. SS Painted OA = 16Ga. Alum. Painted IC = 20Ga. CRS Painted* IA = 16Ga. Alum. Painted* IB = 20Ga. SS Brushed* IS = 20Ga. SS Painted*  *Inset frames (I) suitable for Biosafety Labs (BSL) rated 1-2 only.	Lumen Output* SSS12-14: L2 = Low L3 = Standard L4 = High CL = Custom Lumen Output** SSS22-24: L2 = Low L4 = Standard L6 = Medium L8 = High CL = Custom Lumen Output**  *Subject to change. Performance Data on page 3. ** Must be specified at time of quote. Must not exceed fixture maximum output.	Color Temp. 35 = 3500K 40 = 4000K 50 = 5000K	CRI 80C = 80 CRI 90C = 90 CRI

Circuits	Lens	Voltage	Driver	Options
1C = 1 Circuit 2C = 2 Circuits*  *Allows for Inboard/ Outboard control. N/A with L2. 2C not available with L2 Lumen Output options.	A = .125 Prismatic Acrylic E = .125 White Frosted Poly. H = .125 White Frosted Acrylic S = .125 Asymmetric Acrylic with .080 White Frost Acrylic diffuser	12 = 120V 27 = 277V 34 = 347V UN = Universal (120V-277V)	DM1 = 0-10V Dimming with 1-100% range SD2 = Step Dim. Driver (50-100%) SD3 = Step Dim. Driver (30-70-100%)	FZ1 = Fuse (120V) FZ2 = Fuse (277V) EL1 = Emerg. Batt. LED Low (10W)* EL2 = Emerg. Batt. LED High (20W)* RF1 = (RIF) Radio Interference Filter (120V) RF2 = (RIF) Radio Interference Filter (277V) TH = Torx® Head screws (with center pin) RM = Row Mount** IP66 = IP66 Rated (Overlapping frame only) MS = MIL-STD-461G*** P442 = NSF P442 Certified (Required for BSL 1-4)****  *SSR12 Remote Battery. Consult factory for CEC Compliance. If stored, batteries should be fully recharged every six months and kept between 0°C-25°C to maintain optimal battery capacity. **Joiner bracket supplied. Fixture dimensions subject to change. Consult factory for custom wiring or knockouts. ***N/A with UN voltage, must specify voltage. ****Requires additional backbox, see dimensional data for details.



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

**LENS:** Available with asymmetric acrylic lens. Asymmetric lens serves as inner lens with a .080 white frosted acrylic outer lens for a smooth surface. Optional prismatic acrylic or polycarbonate installed with smooth side out and does not require additional outer lens. Inset and Overlapping frames use 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 environment, 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, >0.90 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.

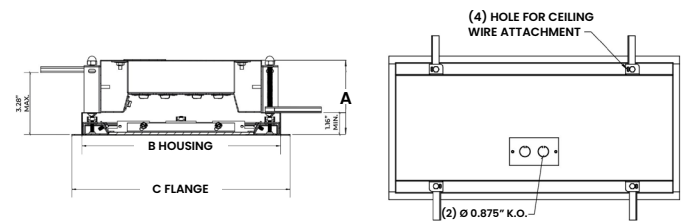
**INSTALLATION:** Universal recessed mounting accommodates Grid and Flange installations. Luminaires will be supplied with adjustable swing arms that can be used for Flange applications or secured to the side of housing for Grid applications. Compatible with 1-1/2" and 15/16" Grid systems. Mounting for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

**WARRANTY:** 5 Year Warranty.

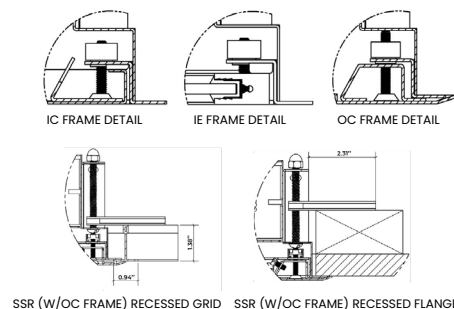
**LABEL:** Certified IP65 per IEC60598. Meets ISO 3 (Fed Std. 209E/ Class 1) cleanroom rating. NSF2 Splash/Non-Food Zone. Suitable for Biosafety Labs rated BSL 1 to 4. BSL Levels 3 & 4 require specifying optional NSF Protocol P442 rating. This product was Made in America and complies with the Buy American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

## DIMENSIONAL DATA

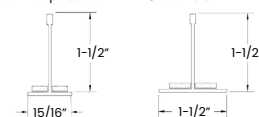
Fixture weight varies and is dependent upon chosen specifications. Consult factory for additional information. Average weight of the SSR14 is 27lb. Average weight of the SSR24 is 48lb.



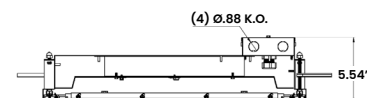
	A	B	C	REC. CEILING CUT-OUT
SSR12	4.00"	10.64" X 22.64"	11.69" X 23.69"	10.88" X 22.88"
SSR14	4.00"	10.64" X 46.64"	11.69" X 47.69"	10.88" X 46.88"
SSR22	4.00"	22.64" X 22.64"	23.69" X 23.69"	22.88" X 22.88"
SSR24	4.00"	22.64" X 46.64"	23.69" X 47.69"	22.88" X 46.88"



**GRID COMPATIBILITY:**  
 SSR12: Spaced at 12" x 24" Centers  
 SSR14: Spaced at 12" x 48" Centers  
 SSR22: Spaced at 24" x 24" Centers  
 SSR24: Spaced at 24" x 48" Centers



SSR with P442 Backbox:



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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)
SSR12	L2 = LOW	3500K	2875	115	25
		4000K	3000	120	25
		5000K	3125	125	25
	L3 = STANDARD	3500K	4180	110	38
		4000K	4370	115	38
		5000K	4560	120	38
	L4 = HIGH	3500K	5500	110	50
		4000K	5750	115	50
		5000K	6000	120	50
SSR14	L2 = LOW	3500K	5750	115	50
		4000K	6000	120	50
		5000K	6250	125	50
	L3 = STANDARD	3500K	8250	110	75
		4000K	8625	115	75
		5000K	9000	120	75
	L4 = HIGH	3500K	11000	110	100
		4000K	11500	115	100
		5000K	12000	120	100
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



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## PERFORMANCE DATA CONTINUED

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MODEL	OUTPUT	COLOR TEMP.	LUMENS DELIVERED	EFFICACY (lm/w)	INPUT POWER (W)
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



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