

# STARSURGICAL 12-14 LED

SSS12/SSS14/SSR12/SSR14

## SPECIFICATION FEATURES

- HOUSING:** 20 gauge formed cold rolled steel housing with continuous seam welds. Aluminum and stainless steel options available.
- FRAME:** Inset extruded door available in anodized aluminum or white painted aluminum. Overlapping doorframe available in aluminum, cold rolled steel, and stainless steel. Frame held to housing via aircraft cable.
- LENS:** Acrylic lens with optional RFI and symmetric/asymmetric pattern, smooth side out. Inset (cold rolled steel, stainless steel and .050 alum) and Overlapping frame uses a rail hold down system.
- LED:** Available in three color temperatures 3500°K, 4000°K and 5000°K. Other color temperatures available, consult factory. 0-10V dimming available with 10-100% range and 1-100% range. Must specify dimming under options.
- FASTENERS:** Stainless steel Philips flat head SSrews with captive cage nuts. Finish to match housing.
- FINISH:** White antimicrobial powder coat finish following multistage iron phosphate pre-treatment.
- GASKET:** Closed cell EPDM or extruded silicone gaskets prevent air contaminations from entering the fixture.



**APPLICATION:** Surgical Suites, Operating Rooms, Examination Rooms, Isolation Suites, Laboratories, and more.

**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.

**LABEL:** Fixture is certified to UL standards. Certified IP65, ISO4, and NSF.



## ORDERING INFORMATION

Ex: SSR14-HC/IE-L2351C-A-UN

PRODUCT FAMILY	MOUNTING	NOMINAL SIZE (Dimensional Data Pg. 2)	HOUSING	FRAME Inset (I) or Overlap (O)	LUMEN OUTPUT** (Performance Data Pg. 3)
SS	S = Surface R = Recessed Housing (Grid/Flange installation)	12 = 1x2 14 = 1x4	HC = 20Ga. CRS (standard) HS = 20Ga. SS (Brushed) HP = 20Ga. SS (painted) HA = .050Ga. Alum. (painted)	IE=Extruded Alum. ✓ IP=Extruded Alum. ✓ (Painted) IP65: IC=20Ga.CRS IA= .050 Alum. (Painted) IB=20Ga.S.S. (Brushed) IS=20Ga.S.S. (Painted) OC=18Ga.CRS (Standard) OS=18Ga.S.S (Brushed) OP=18Ga.S.S. (Painted) OA= .050 Alum. (Painted)	L2 = Standard L3 = Medium L4 = High
LAMP TYPE	CIRCUITS	LENS	VOLTAGE	OPTIONS	
35 = 3500°K 40 = 4000°K 50 = 5000°K	1C = 1 Circuit 2C = 2 Circuits	A=.125 Prismatic Acrylic E=.125 White Frost. Poly. R=.125 Symmetric Pris. Acrylic with RFI Grid S=.150 Symm. Asymmetric Pris. Acrylic with RFI Grid	12 = 120V 27 = 277V 34 = 347V UN = Universal (120V-277V)	FZ* DM DM1 SD2 SD3 IP66 MS	FY EL1 EL2 RF* TH TM+ 90C

## KEY

FZ = Fuse\*  
DM = 0-10V dimming with 10-100% range  
DM1 = 0-10V dimming with 1-100% range  
SD2 = Step Dim. Module (50-100%)  
SD3 = Step Dim. Module (25-50-100%)  
IP66 = IP66 rating (only with Overlapping Frame)  
MS = MIL-STD-461F

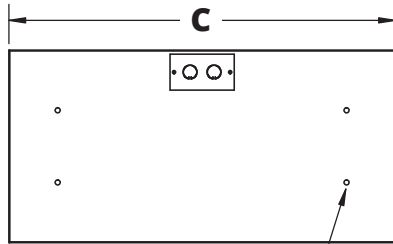
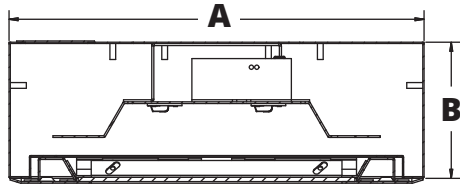
FY = Yoke Bracket for Recessed mount (Replaces swing arm system)  
EL1 = Emerg. Bat. LED Low (1100-1250 lm)  
EL2 = Emerg. Bat. LED High (2200-2500 lm)  
RF = (RIF) Radio Interference Filter\*  
TH = Torx Head SSrews (with center pin)  
TM = Tandem Mount+  
90C = 90 CRI

✓ Not IP65  
-- Subject to change  
\* Cannot use with UN voltage  
+ Requires joiner bracket. Supplied with fixture.

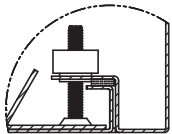
Notes:  
Specifications and Dimensions are subject to change without notice.  
For additional options and dimensional details please consult your New Star Lighting Representative.

## DIMENSIONAL DATA

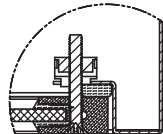
### SURFACE MOUNTING (S)



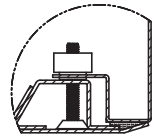
SS12: (4) Ø.31" HOLE  
SS14: (6) Ø.31" HOLE



INSET FRAME



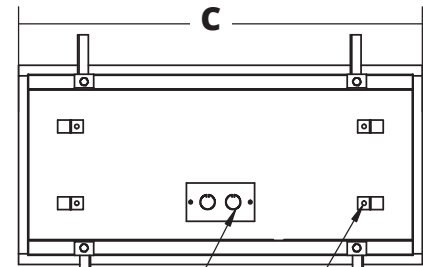
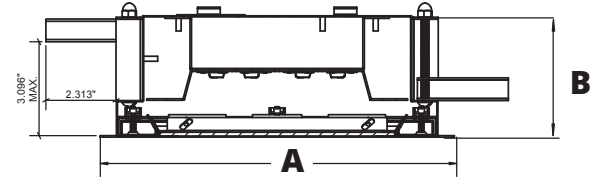
ALUMINUM EXTRUDED  
INSET FRAME



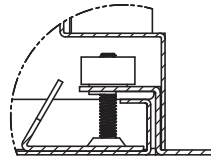
OVERLAPPING FRAME

	A	B	C
SSS12	12.00"	3.94"	24.07"
SSS14	12.00"	3.94"	48.07"
SSR12	11.69"	4.00"	23.69"
SSR14	11.69"	4.00"	47.69"

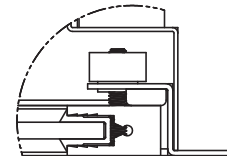
### RECESSED MOUNTING (R): GRID & FLANGE



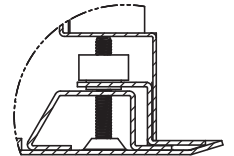
(4) Ø .250" HOLES FOR CEILING WIRE ATTACHMENT



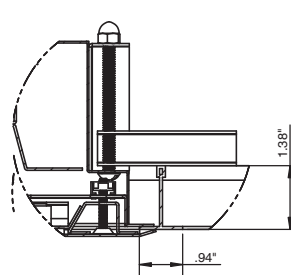
IC FRAME DETAIL



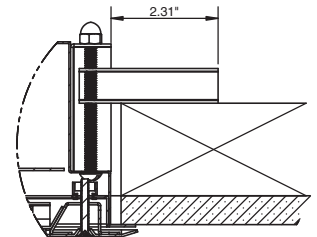
IE FRAME DETAIL



OC FRAME DETAIL



SSR (W/ OC FRAME) RECESSED GRID



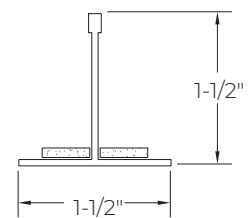
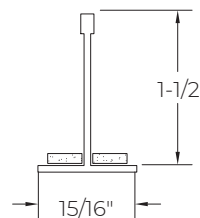
SSR (W/ OC FRAME) RECESSED FLANGE

RECOMMENDED CEILING CUT OUTS:

SSR12: 10.88" X 22.88"  
SSR14: 10.88" X 46.88"

### GRID COMPATIBILITY:

Spaced at 24" x 48" Centers



Notes:  
Specifications and Dimensions are subject to change without notice.  
For additional options and dimensional details please consult your New Star Lighting Representative.

## PERFORMANCE DATA\*\*

MODEL	OUTPUT	LAMP TYPE	LUMENS DELIVERED	EFFICACY (lm/W)	INPUT POWER (W)
SS12	Standard	3500°K	2875	115	25
		4000°K	3000	120	25
		5000°K	3125	125	25
	Medium	3500°K	4180	110	38
		4000°K	4370	115	38
		5000°K	4560	120	38
	High	3500°K	5500	110	50
		4000°K	5750	115	50
		5000°K	6000	120	50
SS14	Standard	3500°K	5750	115	50
		4000°K	6000	120	50
		5000°K	6250	125	50
	Medium	3500°K	8250	110	75
		4000°K	8625	115	75
		5000°K	9000	120	75
	High	3500°K	11000	110	100
		4000°K	11500	115	100
		5000°K	12000	120	100

Displayed information is with a .125 Prismatic Polycarbonate. Subject to change without notice. Visit [www.newstarlighting.com](http://www.newstarlighting.com) for additional information and IES files.

Notes:

\*\*Performance Data subject to change without notice.  
 Specifications and Dimensions are subject to change without notice.  
 For additional options and dimensional details please consult your New Star Lighting Representative.