STARSURGICAL™ SURFACE GREEN SERIES

New Star Lighting

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 wth green LEDs only or a combination of green and white LEDs
- Available with symmetric or 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)

SSS

cULus | IP65 | NSF® | ISO3 | BSL 1-4 | OPTIONAL P442 | BAA | MADE IN AMERICA
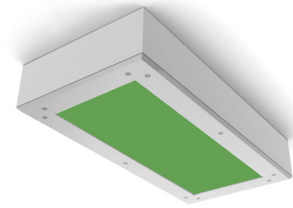
ORDERING INFORMATION

Example: SSS24-HC/OC-GN6-40-90C-1C-A-UN-DM1

SS	S			/				
Series	Mounting	Nominal Size*	Housing	Frame*	Green/White LED*		White Color Temp.	CRI
	S = Surface	**12** = 1x2 **14** = 1x4 **22** = 2x2 **24** = 2x4 *Nominal size. Dimensional data on Page 2.	**HC** = 20Ga. CRS Painted **HS** = 20Ga. SS Brushed **HP** = 20Ga. SS Painted **HA** = 16Ga. Alum. Painted	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.	**SSS12-14:** **GN2** = 2 Green LEDs **GN3** = 3 Green LEDs **G1W2** = 1 Green/2 White **G2W1** = 2 Green/1 White **SSS22-24:** **GN2** = 2 Green LEDs **GN4** = 4 Green LEDs **GN6** = 6 Green LEDs **G2W2** = 2 Green/2 White **G2W4** = 2 Green/4 White **G2W6** = 2 Green/6 White **G4W2** = 4 Green/2 White **G6W2** = 6 Green/2 White *Subject to change. Data on page 3. If only Green is specified, it allows for inboard /outboard control. Green and White circuits will be independently controlled.		**0** = No White LEDs **35** = 3500K **40** = 4000K **50** = 5000K	**80C** = 80 CRI **90C** = 90 CRI

Circuits	Lens	Voltage	Driver	Options
1C = 1 Circuit* **2C** = 2 Circuits** *N/A with Green and White configuration.	**A** = .125 Prismatic Acrylic **E** = .125 White Frosted Poly. **S** = .125 Asymmetric Acrylic and .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)* **RF**= (RIF) Radio Interference Filter **TH** = Torx® Head screws (with center pin) **TGG** = Triple Gasketing (Grid)** **TGF** = Triple Gasketing (Flange)** **IP66** = IP66 Rated (Overlapping frame only) **MS** = MIL-STD-461FG **P442** = NSF P442 Certified (Required for BSL 1-4) *SSS12 Remote Battery. Consult factory for CA Title 24 options. **N/A with UN voltage, must specify voltage.

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 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 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 25ºC 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 housing.

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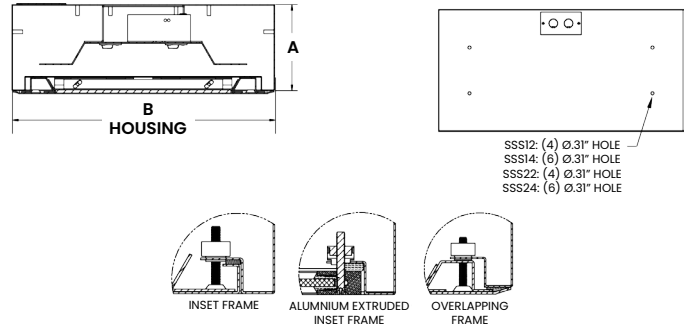
INSTALLATION: Surface installation. Mounting for custom ceilings available, consult factory.

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 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 SSS14 is 27lb. Average weight of the SSS24 is 48lb.

A

B
HOUSING

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

INSET FRAME | ALUMNIUM EXTRUDED INSET FRAME | OVERLAPPING FRAME

	A	B
SSS12	3.94"	12.00" x 24.07"
SSS14	3.94"	12.00" x 48.07"
SSS22	3.94"	24.00" x 24.07"
SSS24	3.94"	24.00" x 48.07"

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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)
SSS12	G1W2 1 Green/2 White	3500K	2875	115	25
		4000K	3000	120	25
		5000K	3125	125	25
		Green	725	52	14
	G2W1 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 1 Green/2 White	3500K	5750	115	50
		4000K	6000	120	50
		5000K	6250	125	50
		Green	1450	52	28
	G2W1 2 Green/1 White	3500K	2875	115	25
		4000K	3000	120	25
		5000K	3125	125	25
		Green	2900	52	56
SSS22	G2W2 2 Green/2 White	3500K	3000	120	25
		4000K	3125	125	25
		5000K	3250	130	25
		Green	1375	49	28
	G2W4 2 Green/4 White	3500K	6000	120	50
		4000K	6250	125	50
		5000K	6500	130	50
		Green	1375	49	28
	G2W6 2 Green/6 White	3500K	8625	115	75
		4000K	9000	120	75
		5000K	9375	125	75
		Green	1375	49	28
	G4W2 4 Green/2 White	3500K	3000	120	25
		4000K	3125	125	25
		5000K	3250	130	25
		Green	2750	49	28
	G6W2 6 Green/2 White	3500K	3000	120	25
		4000K	3125	125	25
		5000K	3250	130	25
		Green	4100	49	84

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

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PERFORMANCE DATA CONT*

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