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Project: _____
Type: _____
Product: _____

VIVARIUM STARCLEAN 22-24 LED

SCS22/SCS24/SCR22/SCR24

SPECIFICATION FEATURES

HOUSING: 20 gauge formed cold rolled steel housing with continuous seam welds. Aluminum and stainless steel options available.

FRAME: Inset and overlapping doorframe available in aluminum, cold rolled steel, and stainless steel. Inset extruded door available in anodized aluminum or white painted aluminum. Frame held to housing via aircraft cable.

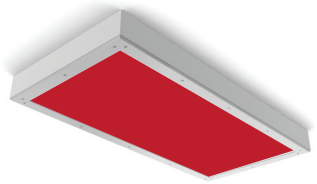
LENS: Acrylic lens with smooth side out. Alternate lens options available including Prismatic Polycarbonate and a White Frosted Polycarbonate. Inset (cold rolled steel, stainless steel and .050 alum) and Overlapping frame uses a rail hold down system.

LED: Available with Red LED's only or Red and White LED's. Red LED's will be installed every other row, unless otherwise specified. White color temperatures available in 3500°K, 4000°K and 5000°K. 0-10V dimming available with 10-100% range and 1-100% range. Must specify dimming under options.

FASTENERS: Stainless steel Philips flat head screws with captive cage nuts. Finish to match housing.

FINISH: White antimicrobial powder coat finish following multistage iron phosphate pre-treatment.

GASKET: Closed cell EPDM and closed cell silicone gaskets prevent air contaminations from entering the fixture.



APPLICATION:
Cleanroom, Laboratory, Vivarium settings, 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: SCR24-HC/IE-RD61-C-UN-EL1

PRODUCT FAMILY	MOUNTING	NOMINAL SIZE (Dimensional Data Pg. 2)	HOUSING	FRAME Inset (I) or Overlap (O)	RED/WHITE LED *Additional Configurations available, consult factory.
SC				/	
	S = Surface R = Recessed Housing (Grid/Flange installation)	22 = 2x2 24 = 2x4	HC = 20Ga. CRS (standard) HS = 20Ga. SS 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)	R2W2 = 2 Red/2 White R2W4 = 2 Red/4 White R2W6 = 2 Red/6 White R4W2 = 4 Red/2 White R6W2 = 6 Red/ 2 White RD2 = 2 Red LED Rows RD4 = 4 Red LED Rows RD6 = 6 Red LED Rows

WHITE LED LAMP TYPE	CIRCUITS	LENS	VOLTAGE	OPTIONS
0 = No White LED's 35 = 3500°K 40 = 4000°K 50 = 5000°K	1C = 1 Circuit 2C = 2 Circuits	A = .125 Prismatic Acrylic B = .125 Prismatic Poly. C = .156 Prismatic Poly. D = .187 Prismatic Poly. Φ E = .125 White Frosted Poly. G = .140 DR Acrylic	12 = 120V 27 = 277V 34 = 347V UN = Universal (120V-277V)	FZ* FY DM EL1 DM1 EL2 SD2 RF* SD3 TH TM+

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%)

FY = Yoke Bracket for Recessed mount (Replaces swing arm system)
EL1 = Emerg. Bat. LED Low (10W)
EL2 = Emerg. Bat. LED High (20W)
RF = (RIF) Radio Interference Filter*
TH = Torx Head screws (with center pin)
TM = Tandem Mount+

✔ Not IP65
⬍ Cannot be used with .187 Prismatic Poly
⁃⁃ Subject to change
Φ Cannot be used with IE or IP
* Cannot use with UN voltage
+ Requires U-Channel bracket for Flange install. Consult factory.

Notes:
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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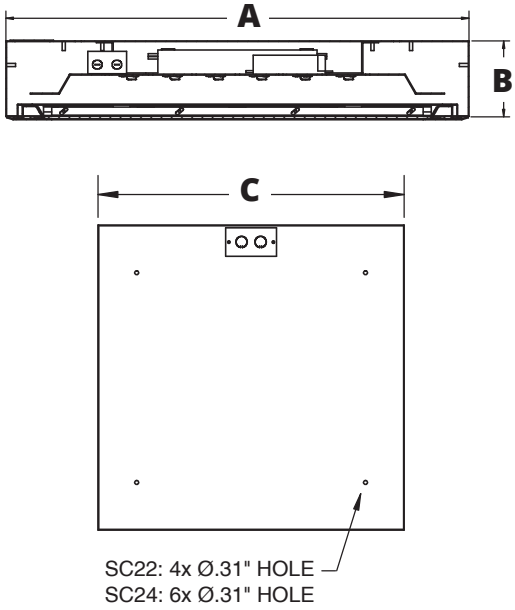
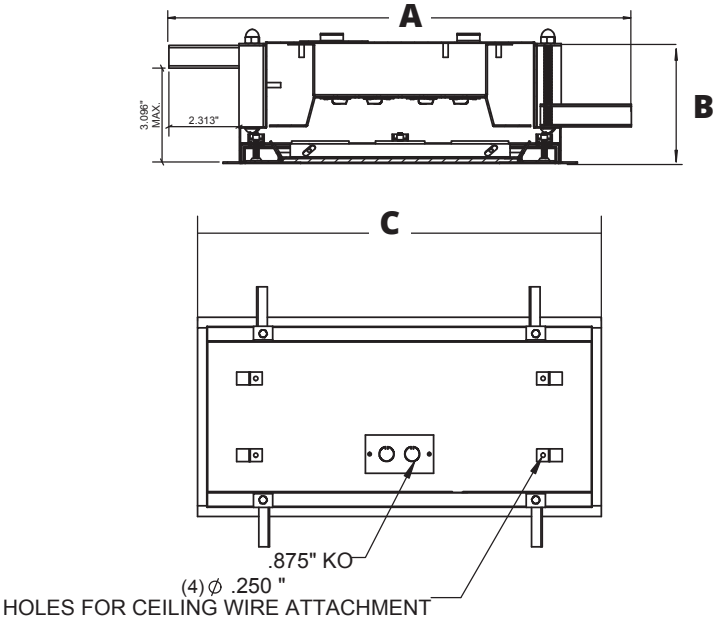
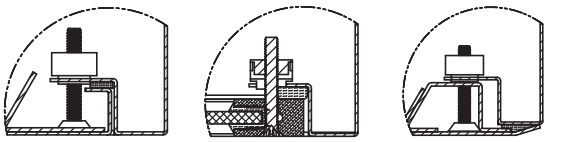
DIMENSIONAL DATA

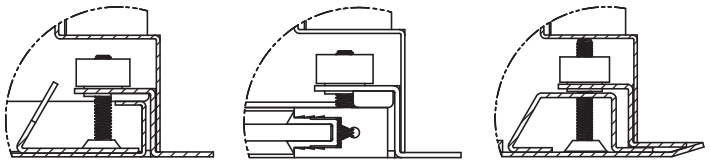
SURFACE MOUNTING (S)



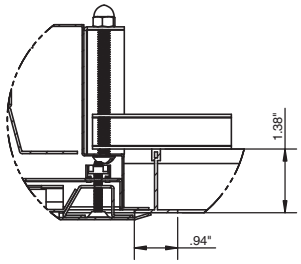
RECESSED MOUNTING (R): GRID & FLANGE



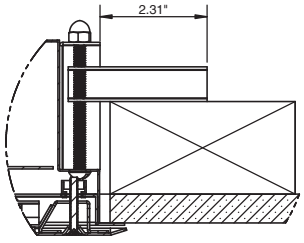




	A	B	C
SCS22	24.00"	3.94"	24.07"
SCS24	24.00"	3.94"	48.07"
SCR22	23.69"	4.00"	23.69"
SCR24	23.69"	4.00"	47.69"



SCR (W/ OC FRAME) RECESSED GRID



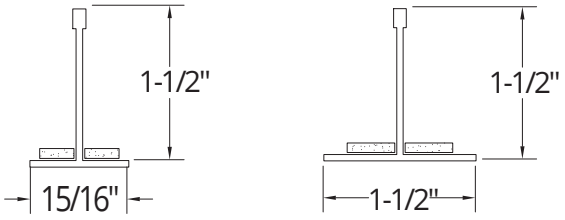
SCR (W/ OC FRAME) RECESSED FLANGE

RECOMMENDED CEILING CUT OUTS:

SCR22: 22.88" X 22.88"
SCR24: 22.88" X 46.88"

GRID COMPATIBILITY:

Spaced at 24" x 48" Centers



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PERFORMANCE DATA¨

RED LEDs	OUTPUT	LUMENS DELIVERED	EFFICACY (lm/W)	INPUT POWER (W)
SC22	RD2	825	43	19
	RD4	1675	43	39
	RD6	2500	43	58
SC24	RD2	1650	42	39
	RD4	3250	42	77
	RD6	4850	42	116

		WHITE LED				RED LED		
RED/WHITE LEDs	OUTPUT	LAMP TYPE	LUMENS DELIVERED	EFFICACY (lm/W)	INPUT POWER (W)	LUMENS DELIVERED	EFFICACY (lm/W)	INPUT POWER (W)
SC22	R2/W2	3500°K	3000	120	25	825	43	19
		4000°K	3125	125	25	825	43	19
		5000°K	3250	130	25	825	43	19
	R2/W4	3500°K	6000	120	50	825	43	19
		4000°K	6250	125	50	825	43	19
		5000°K	6500	130	50	825	43	19
	R2/W6	3500°K	8625	115	75	825	43	19
		4000°K	9000	120	75	825	43	19
		5000°K	9375	125	75	825	43	19
	R4/W2	3500°K	3000	120	25	1675	43	39
		4000°K	3125	125	25	1675	43	39
		5000°K	3250	130	25	1675	43	39
	R6/W2	3500°K	3000	120	25	2500	43	58
		4000°K	3125	125	25	2500	43	58
		5000°K	3250	130	25	2500	43	58
SC24	R2/W2	3500°K	6000	120	50	1650	42	39
		4000°K	6250	125	50	1650	42	39
		5000°K	6500	130	50	1650	42	39
	R2/W4	3500°K	12000	120	100	1650	42	39
		4000°K	12500	125	100	1650	42	39
		5000°K	13000	130	100	1650	42	39
	R2/W6	3500°K	17250	115	150	1650	42	39
		4000°K	18000	120	150	1650	42	39
		5000°K	18750	125	150	1650	42	39
	R4/W2	3500°K	6000	120	50	3250	42	77
		4000°K	6250	125	50	3250	42	77
		5000°K	6500	130	50	3250	42	77
	R6/W2	3500°K	6000	120	50	4850	42	116
		4000°K	6250	125	50	4850	42	116
		5000°K	6500	130	50	4850	42	116

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