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

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

GASKET: Closed cell EPDM and closed cell silicone gaskets prevent air contaminations from entering the fixture.
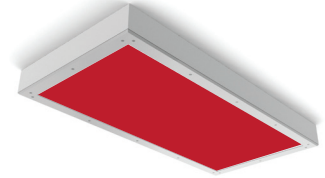
APPLICATION:
Cleanroom, Laboratory, Vivarium settings, and more.

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.

LABEL:
Fixture is certified to UL standards for Damp Location. Certified IP65, ISO4, and NSF.

ISO 4   IP65   NSF   c UL us   DAMP LOCATION

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					

MOUNTING
S = Surface
R = Recessed Housing (Grid/Flange installation)

NOMINAL SIZE
22 = 2x2
24 = 2x4

HOUSING
HC = 20Ga. CRS (standard)
HS = 20Ga. SS
HP = 20Ga. SS (painted)
HA = .050Ga. Alum. (painted)

FRAME Inset (I) or Overlap (O)
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)

RED/WHITE LED
R1W1 = 1 Red/1 White
R1W3 = 1 Red/3 White
R2W2 = 2 Red/2 White
R3W1 = 3 Red/1 White
R2W4 = 2 Red/4 White
R3W3 = 3 Red/3 White
R4W2 = 4 Red/2 White
RD2 = 2 Red LED's
RD4 = 4 Red LED's
RD6 = 6 Red LED's

WHITE LED LAMP TYPE	CIRCUITS	LENS	VOLTAGE	OPTIONS

WHITE LED LAMP TYPE
0 = No White LED's
35 = 3500°K
40 = 4000°K
50 = 5000°K

CIRCUITS
1 = 1 Circuit
2 = 2 Circuits

LENS
A = .125 Prismatic Acrylic
B = .125 Prismatic Poly.
C = .156 Prismatic Poly.
D = .187 Prismatic Poly. Φ
E = .125 White Frosted Poly.

VOLTAGE
12 = 120V
27 = 277V
34 = 347V
UN = Universal (120V-277V)

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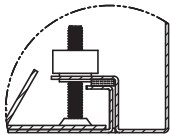
Notes:
Specifications and Dimensions are subject to change without notice.
For additional options and dimensional details please consult your New Star Lighting Representative.

DIMENSIONAL DATA
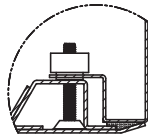
SURFACE MOUNTING (S)
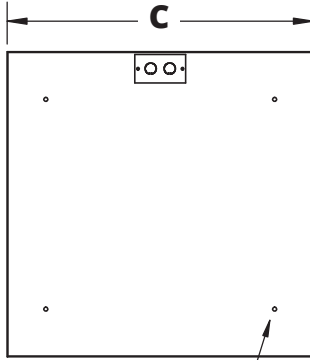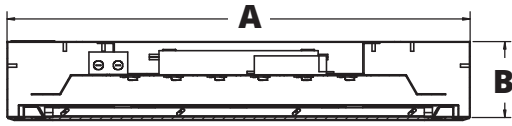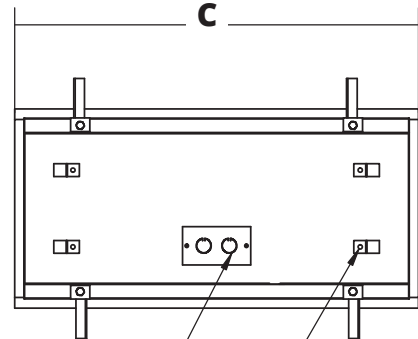

SC22: 4x Ø.31" HOLE
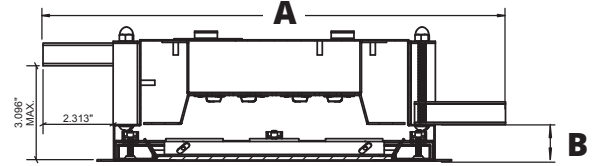SC24: 6x Ø.31" HOLE

INSET FRAME

ALUMINUM EXTRUDED INSET FRAME
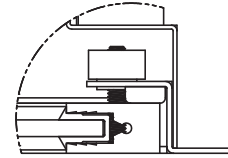
OVERLAPPING FRAME

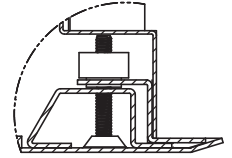### RECESSED MOUNTING (R): GRID & FLANGE

3.096" MAX.
2.313"

.875" KO
(4) Ø .250 "
HOLES FOR CEILING WIRE ATTACHMENT
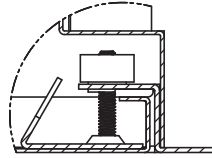
IC FRAME DETAIL

IE FRAME DETAIL

OC FRAME DETAIL

2.31"
1.38"
.94"
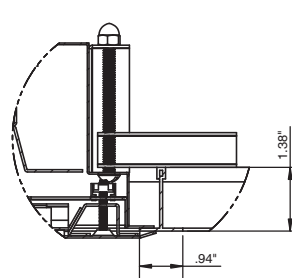
SCR (W/ OC FRAME) RECESSED GRID
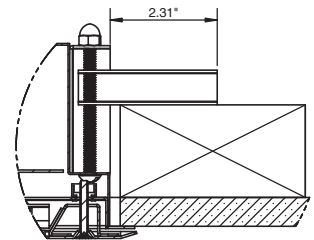
SCR (W/ OC FRAME) RECESSED FLANGE

RECOMMENDED CEILING CUT OUTS:
SCR22: 22.88" X 22.88"
SCR24: 22.88" X 46.88"

	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"

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