New★Star

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STARCLEAN 12-14 LED
SCS12/SCS14/SCR12/SCR14

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. Extruded inset 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 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 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, Hospital, Hi-Tech Manufacturing, Laboratory, Food Processing Facilities, Commercial Kitchens, 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.

c(UL)us (ISO 4) (IP65) (NSF)

ORDERING INFORMATION
Ex: SCR14-HC/IE-L2351C-C-UN-EL1

PRODUCT FAMILY	MOUNTING	NOMINAL SIZE (Dimensional Data Pg. 2)	HOUSING	FRAME Inset (I) or Overlap (O)	LUMEN OUTPUT** (Performance Data Pg. 3)
SC					

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

NOMINAL SIZE:
12 = 1x2
14 = 1x4

HOUSING:
HC = 20Ga. CRS (standard)
HS = 20Ga. SS (Brushed)
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)

LUMEN OUTPUT:
L2 = Standard
L3 = Medium
L4 = High

LAMP TYPE	CIRCUITS	LENS	VOLTAGE	OPTIONS

LAMP TYPE:
35 = 3500°K
40 = 4000°K
50 = 5000°K

CIRCUITS:
1C = 1 Circuit
2C = 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.
G=.140 DR Acrylic

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

OPTIONS:
FZ* FY
DM   EL1
DM1 EL2
SD2 RF*
SD3 TH
IP66 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%)
IP66 = IP66 rating (only with Overlapping Frame)

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 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
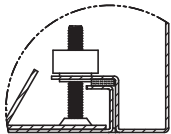+ Requires joiner bracket. Supplied with fixture.

Notes:
Specifications and Dimensions are subject to change without notice.
If circuit is not specified at time of quote or order, fixture will have single circuit.
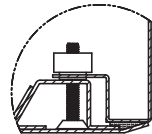
DIMENSIONAL DATA

SURFACE MOUNTING (S)
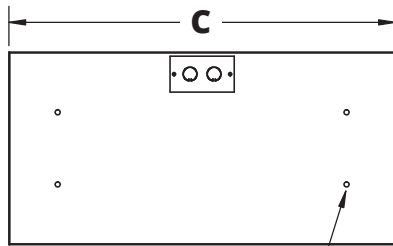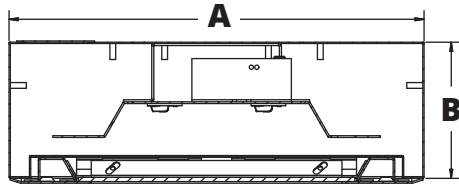
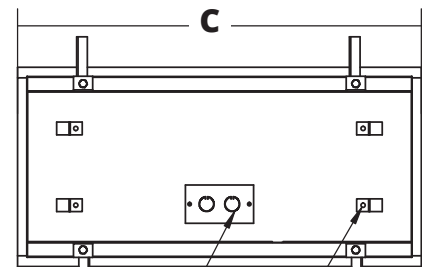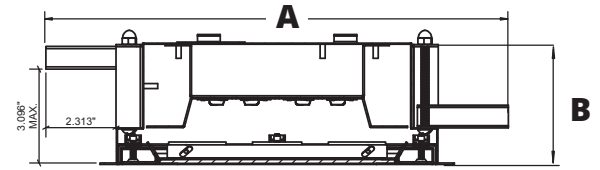SC12: (4) Ø.31" HOLE
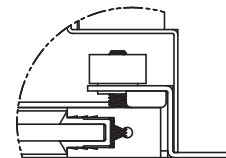SC14: (6) Ø.31" HOLE

INSET FRAME

ALUMINUM EXTRUDED INSET FRAME

OVERLAPPING FRAME

RECESSED MOUNTING (R): GRID & FLANGE

3.096" MAX

2.313"

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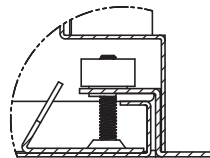
IC FRAME DETAIL

IE FRAME DETAIL

OC FRAME DETAIL

	A	B	C
SCS12	12.00"	3.94"	24.07"
SCS14	12.00"	3.94"	48.07"
SCR12	11.69"	4.00"	23.69"
SCR14	11.69"	4.00"	47.69"

2.31"

1.38"

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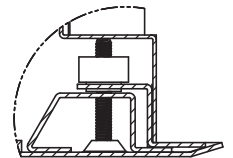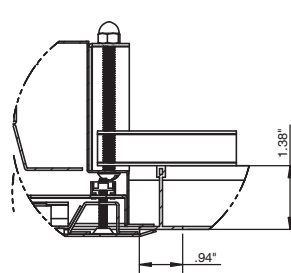
SCR (W/ OC FRAME) RECESSED GRID
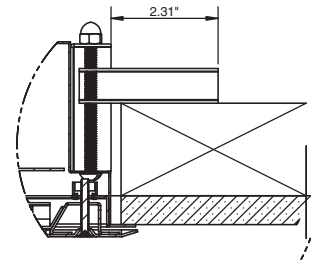
SCR (W/ OC FRAME) RECESSED FLANGE

RECOMMENDED CEILING CUT OUTS:
SCR12: 10.88" X 22.88"
SCR14: 10.88" X 46.88"

GRID COMPATIBILITY:
Spaced at 24" x 48" Centers

1-1/2"

1-1/2"

15/16"

1-1/2"

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

2225 W Pershing Rd. Chicago, IL 60609   **www.newstarlighting.com**   **773.847.1400**

V12122017

PERFORMANCE DATA ¨

MODEL	OUTPUT	LAMP TYPE	LUMENS DELIVERED	EFFICACY (lm/W)	INPUT POWER (W)
SC12	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
SC14	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 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.

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V12122017

STARCLEAN 12-14 FLUORESCENT
SCS12/SCS14/SCG12/SCG14/SCF12/SCF14

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. Extruded inset 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.

ELECTRONICS: Electronic instant start ballast <10% THD standard. Lamps by others.

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, Hospital, Hi-Tech Manufacturing, Laboratory, Food Processing Facilities, Commercial Kitchens, and more.

MOUNTING:
Surface, Grid or Flange mounting. Flange fixtures come with adjustable 90° swing arm for easy installation. Optional Yoke Bracket would replace swing arm. Grid fixtures 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.

ᶜ(UL)ᵤₛ (ISO 4) (IP65) (NSF)

ORDERING INFORMATION
Ex: SCF12-HS/IC-3142C-B-12-DB

PRODUCT FAMILY	MOUNTING	NOMINAL SIZE (Dimensional Data Pg. 2)	HOUSING	FRAME Inset (I) or Overlap (O)	# OF LAMPS
SC					

MOUNTING
S = Surface
G = Grid
F = Flange

NOMINAL SIZE
12 = 1x2
14 = 1x4

HOUSING
HC = 20Ga. CRS (standard)
HS = 20Ga. SS (Brushed)
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)

 # OF LAMPS
2 = 2 Lamps
3 = 3 Lamps

LAMP TYPE	CIRCUITS	LENS	VOLTAGE	OPTIONS

LAMP TYPE
1x2:
14 = Lin. 14W T5
17 = Lin. 17W T8
24 = Lin. 24W T5 HO
1x4:
28 = Lin. 28W T5
32 = Lin. 32W T8
54 = Lin. 54W T5 HO

CIRCUITS
1C = 1 Circuit
2C = 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.
G=.140 DR Acrylic

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

OPTIONS
E1*◄   IP66
E2*◄   TM+
RF*   DB*
TH   PR
FY   FZ*

KEY
E1 = Emerg. Battery Pack (450 Lumens)*◄
E2 = Emerg. Battery Pack (1100 Lumens)*◄
RF = RIF (Radio Interference Filter)*
TH = Torx Head screws (with center pin)
FY = Yoke Bracket for Flange mount (Replace swing arm system)

IP66 = IP66 rating (only with Overlapping Frame)
TM = Tandem Mount+
DB = Dimming Ballast*
PR = Program Rapid Start
FZ = Fuse*

✔ Not IP65
↕ Cannot be used with .187 Prismatic Poly
Φ Cannot be used with IE or IP
* Cannot use with UN voltage
+ Requires joiner bracket. Supplied with fixture.
■ Consult factory for lamp-ballast options
◄ Consult factory for T5 availability

Notes:
Specifications and Dimensions are subject to change without notice.
If circuit is not specified at time of quote or order, fixture will have single circuit.

DIMENSIONAL DATA

SURFACE MOUNTING

A

B

C

REMOVABLE COVER; GASKETED TO HOUSING WITH (2) 0.875" DIA. K.O.'S

D

(4) 0.4375" DIA. THRU HOLES

OVERLAPPING FRAME

ALUMINUM EXTRUDED INSET FRAME

GRID MOUNTING

A

B

C

0.875" DIA. K.O.

D

OVERLAPPING FRAME

ALUMINUM EXTRUDED INSET FRAME

FLANGE MOUNTING

A

B

C

.85"

0.88" DIA. K.O. WATER-TIGHT HUB PROVIDED

D

OVERLAPPING DOOR

ALUMINUM EXTRUDED INSET DOOR
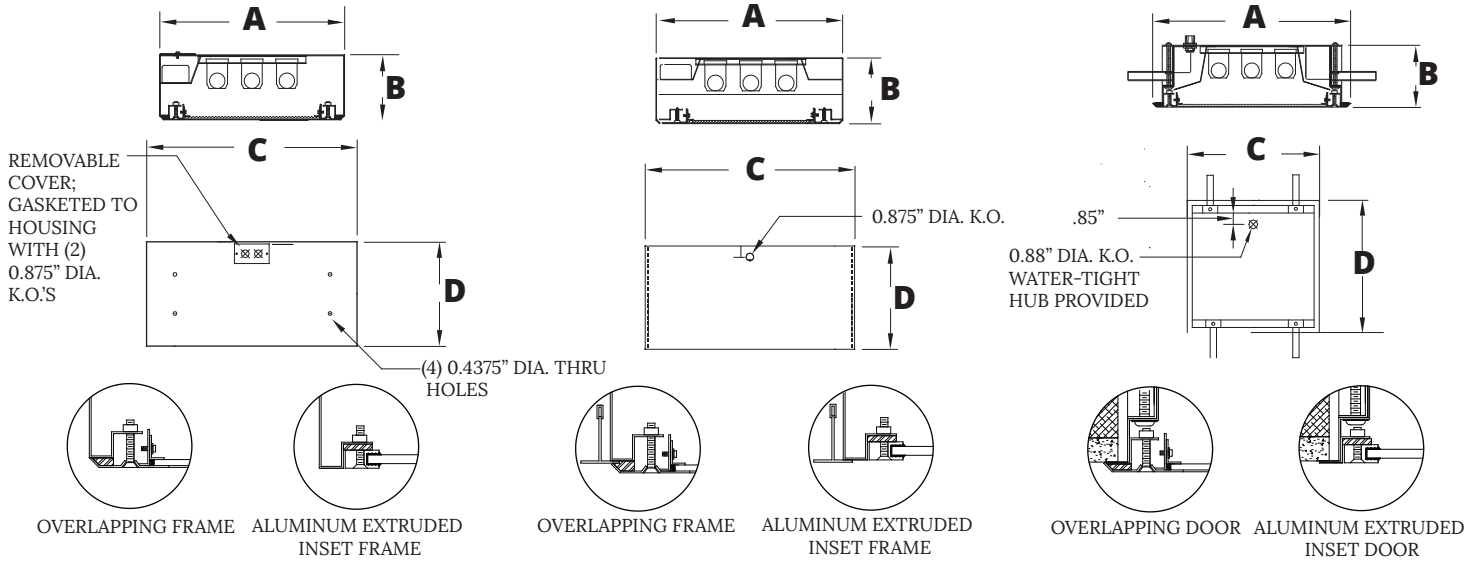
	A	B	C	D	Recommended Ceiling Cut-Out
SCS12	**12.00"**	**3.94"**	**24.08"**	**12.00"**	**N/A**
SCS14	**12.00"**	**3.94"**	**48.07"**	**12.00"**	**N/A**
SCG12	**11.69"**	**3.94"**	**24.20"**	**11.69"**	**N/A**
SCG14	**11.69"**	**3.94"**	**48.07"**	**11.69"**	**N/A**
SCF12	**13.13"**	**3.94"**	**25.25"**	**13.13"**	**24.375" x 12.375"**
SCF14	**13.13"**	**3.94"**	**49.13"**	**13.13"**	**48.375" x 12.375"**

(SCG) GRID COMPATIBILITY:

Spaced at 24" x 48" Centers

1-1/2"

15/16"

1-1/2"

1-1/2"

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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