

PROJECT: _____
 TYPE: _____
 PRODUCT: _____
 APPROVED BY: _____

PRODUCT FEATURES

- Intended for Cleanrooms, Hospitals, Hi-Tech Manufacturing, Laboratories, Food Processing Facilities, Commercial Kitchens and more
- Grid or flange installation
- Fixture is certified to UL Standards by Intertek Testing Laboratory. IP65 Rated per IEC60598. NSF2 Splash/Non-Food and Food Zone listed. Meets ISO4 Cleanroom standards.
- This product is Made in America and complies with the Buy American Act (BAA) and the Build American, Buy America Act (BABAA)



ST Series

ORDERING INFORMATION

Example: STF24-HC/OC-L440-90C-1C-A-UN



ST			/			
Series	Mounting G = Grid F = Flange	Nominal Size 14 = 1x4 22 = 2x2 24 = 2x4 *Nominal size. Dimensional data on Page 2.	Housing HC = 20Ga. CRS Painted HS = 20Ga. SS Brushed HP = 20Ga. SS Painted HA = 16Ga. Alum. Painted	Overlapping Frame OC = 18Ga. CRS Painted OS = 18Ga. SS Brushed OP = 18Ga. SS Painted OA = 16Ga. Alum. Painted	Lumen Output* ST14: L2 = Standard CL = Custom Lumen Output** ST22-24: L2 = Low L4 = Standard L6 = Medium L8 = High CL = Custom Lumen Output** *Subject to change. Performance Data on page 3. ** Must be specified at time of quote. Must not exceed fixture maximum output.	Color Temp. 35 = 3500K 40 = 4000K 50 = 5000K

CRI 80C = 80 CRI 90C = 90 CRI	Circuits 1C = 1 Circuit 2C = 2 Circuits	Lens A = .125 Prismatic Acrylic B = .125 Prismatic Poly. C = .156 Prismatic Poly. D = .187 Prismatic Poly. E = .125 White Frost Poly. G = .140 Prismatic DR Acrylic	Voltage 12 = 120V 27 = 277V 34 = 347V UN = Universal (120V-277V)	Driver Blank = DM1 (0-10V Dimming with 1-100 range) SD2 = Step Dim. Driver* (50-100%) SD3 = Step Dim. Driver* (30-70-100%) *Consult factory for 347V.	Options 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) *If stored, batteries should be fully recharged every six months and kept between 0°C-25°C to maintain optimal battery capacity.
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SPECIFICATIONS

HOUSING: 18-Gauge formed cold rolled steel housing with continuous seam welds. Aluminum and stainless steel options available.

FRAME: Overlapping doorframe available in aluminum, cold rolled steel, and stainless steel.

LENS: Acrylic lens with smooth side out. Alternate lens options available including Prismatic Polycarbonate and a White Frosted Polycarbonate. Overlapping frame uses a rail hold down system.

LED: 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 25°C temperature ambient environment, compliant with IES LM-80 testing standards.

ELECTRICAL: 120-277VAC 50/60Hz, constant current driver (<20% THD, >0.9 PF). Standard 0-10V Dimming with 1-100% range.

FASTENERS: Stainless steel Phillips flat head screws internally fastened to the housing with nuts.

FINISH: White antimicrobial polyester powder coat finish following multi-stage iron phosphate pretreatment.

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

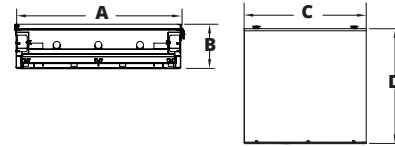
MOUNTING: Grid or Flange installation. Flange fixtures come with adjustable 90° swing arm for easy installation. Fixture housing accommodate a max ceiling thickness of 4". Mounting for custom ceilings available, consult factory.

WARRANTY: 5 Year Warranty.

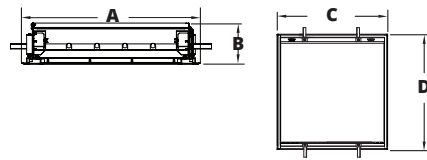
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DIMENSIONAL DATA

GRID MOUNTING



FLANGE MOUNTING



	A	B	C	D	REC. CEILING CUT-OUT
STG22	23.69"	6.41"	24.11"	23.69"	N/A
STG24	23.69"	6.41"	48.12"	23.69"	N/A
STF14	14.50"	6.75"	26.13"	14.13"	12.375" x 24.375"
STF22	26.50"	6.75"	25.13"	26.13"	24.375" x 24.375"
STF24	26.50"	6.75"	50.13"	26.13"	24.375" x 48.375"



New Star Lighting

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

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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STARCLEAN™ TOP ACCESS LED SERIES

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)
ST14	L2 = Standard	3500K	3000	120	25
		4000K	3125	125	25
		5000K	3250	130	25
ST22	L2 = Low	3500K	3000	120	25
		4000K	3125	125	25
		5000K	3250	130	25
	L4 = Standard	3500K	6000	120	50
		4000K	6250	125	50
		5000K	6500	130	50
	L6 = Medium	3500K	8625	115	75
		4000K	9000	120	75
		5000K	9375	125	75
	L8 = High	3500K	11500	115	100
		4000K	12000	120	100
		5000K	12500	125	100
ST24	L2 = Low	3500K	6000	120	50
		4000K	6250	125	50
		5000K	6500	130	50
	L4 = Standard	3500K	12000	120	100
		4000K	12500	125	100
		5000K	13000	130	100
	L6 = Medium	3500K	17250	115	150
		4000K	18000	120	150
		5000K	18750	125	150
	L8 = High	3500K	23000	115	200
		4000K	24000	120	200
		5000K	25000	125	200



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