STARCLEAN™ TOP ACCESS LED SERIES

New Star Lighting

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-L440-1C-A-90C-UN

ST					/		
Series	**Mounting**	**Nominal Size**	**Housing**	**Overlapping Frame**	**Lumen Output***		**Color Temp.**
	G = Grid	**14** = 1x4	**HC** = 20Ga. CRS Painted	**OC** = 18Ga. CRS Painted	**ST14:**		**35** = 3500K
	F = Flange	**22** = 2x2	**HS** = 20Ga. SS Brushed	**OS** = 18Ga. SS Brushed	**L2** = Standard		**40** = 4000K
		24 = 2x4	**HP** = 20Ga. SS Painted	**OP** = 18Ga. SS Painted	**CL** = Custom Lumen Output**		**50** = 5000K
			HA = 16Ga. Alum. Painted	**OA** = 16Ga. Alum. Painted	**ST22-24:**		
		*Nominal size. Dimensional data on Page 2.			**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.		

Circuits	**Lens**	**CRI**	**Voltage**	**Driver**	**Options**
1C = 1 Circuit	**A** = .125 Prismatic Acrylic	**80C** = 80 CRI	**12** = 120V	**Blank** = DM1 (0-10V Dimming with 1-100 range)	**FZ1** = Fuse (120V)
2C = 2 Circuits	**B** = .125 Prismatic Poly.	**90C** = 90 CRI	**27** = 277V		**FZ2** = Fuse (277V)
	C = .156 Prismatic Poly.		**34** = 347V	**SD2** = Step Dim. Driver* (50-100%)	**EL1** = Emerg. Batt. LED Low (10W)*
	D = .187 Prismatic Poly.		**UN** = Universal (120V-277V)		**EL2** = Emerg. Batt. LED High (20W)*
	E = .125 White Frost Poly.			**SD3** = Step Dim. Driver* (30-70-100%)	**RF** = (RIF) Radio Interference Filter
	G = .140 Prismatic DR Acrylic				**TH** = Torx® Head screws (with center pin)
				*Consult factory for 347V.	*If stored, batteries should be fully recharged every six months and kept between 0ºC-25ºC to maintain optimal battery capacity.

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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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.
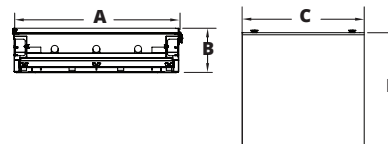
MOUNTING: Grid or Flange installation. Flange fixtures come with adjustable 90° swing arm for easy installation. Fixture housing accommodate a max ceiling thickness of 4". Mounting for custom ceilings available, consult factory. Mounting for custom ceilings available, consult factory.
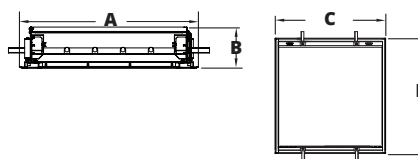
WARRANTY: 5 Year Warranty.

LABEL: 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).

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"

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PERFORMANCE DATA

*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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