

PROJECT: \_\_\_\_\_

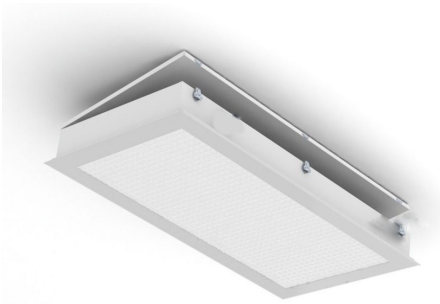
TYPE: \_\_\_\_\_

PRODUCT: \_\_\_\_\_

APPROVED BY: \_\_\_\_\_

PRODUCT FEATURES

- Intended for Cleanrooms, Hospitals, Hi-Tech Manufacturing, Laboratory, Food Processing Facilities, Commerical 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 Zone listed. Meets ISO4 Cleanroom standards.
- This product is Made in America and complies with the Buy American Act (BAA)



ST Series

ORDERING INFORMATION

Example: STF24-HC/OC-L440-1C-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	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)	Options FZ1 = Fuse (120V) FZ2 = Fuse (277V) SD2 = Step Dim. Module (50-100%)* SD3 = Step Dim. Module (30-70-100%)* EL1 = Emerg. Batt. LED Low (10W)** EL2 = Emerg. Batt. LED High (20W)** RF = (RIF) Radio Interference Filter TH = Torx® Head screws (with center pin) 90C = 90 CRI  *Consult factory for 347V. **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. 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. 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 an ambient environment 25°C temperature, compliant with IES LM-80 testing data.

**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 with captive cage nuts. Finish to match housing.

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

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

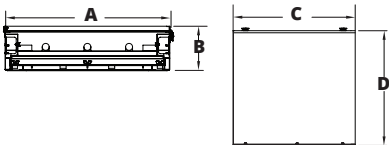
**MOUNTING:** Grid or Flange installation. Flange fixtures come with adjustable 90° swing arm for easy installation. Fixture housing accommodate a max ceiling thickness of 4". Mounting for custom ceilings available, consult factory. Mounting for custom ceilings available, consult factory.

**WARRANTY:** 5 Year Warranty.

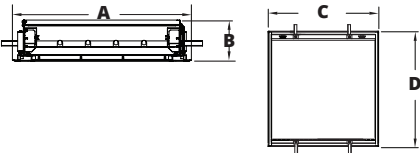
**LABEL:** Fixture is certified to UL Standards by Intertek Testing Laboratory. IP65 Rated per IEC60598. NSF2 Splash/Non-Food Zone listed. Meets ISO4 Cleanroom standards.

DIMENSIONAL DATA

GRID MOUNTING



FLANGE MOUNTING



	A	B	C	D	REC. CEILING CUT-OUT
STG22	23.69"	6.41"	24.11"	23.69"	-
STG24	23.69"	6.41"	48.12"	23.69"	-
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"

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
	L = 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
	L = High	3500K	23000	115	200
		4000K	24000	120	200
		5000K	25000	125	200