

PROJECT: \_\_\_\_\_  
 TYPE: \_\_\_\_\_  
 PRODUCT: \_\_\_\_\_  
 APPROVED BY: \_\_\_\_\_



ST

## PRODUCT FEATURES

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

## ORDERING INFORMATION

Example: STF24-HC/OC-L4401C-A-UN



| ST   |  |   |  |   |   |
|--|--|---|--|---|---|
| <b>Series</b>  | <b>Mounting</b><br>G = Grid<br>F = Flange            | <b>Nominal Size</b><br>22 = 2x2<br>24 = 2x4<br><br>*Nominal size. Dimensional data on Page 2.   | <b>Housing</b><br>HC = 20Ga. CRS Painted<br>HS = 20Ga. SS Brushed<br>HP = 20Ga. SS Painted<br>HA = 16Ga. Alum. Painted | <b>Frame</b><br>OVERLAP (O) Frame<br>OC = 18Ga. CRS Painted<br>OS = 18Ga. SS Brushed<br>OP = 18Ga. SS Painted<br>OA = 16Ga. Alum. Painted   | <b>Lumen Output*</b><br>L2 = Standard<br>L4 = Standard<br>L6 = Medium<br>L8 = High<br><br>*Subject to change. |
| <b>Color Temp.</b><br>35 = 3500K<br>40 = 4000K<br>50 = 5000K | <b>Circuits</b><br>1C = 1 Circuit<br>2C = 2 Circuits | <b>Lens</b><br>A = .125 Prismatic Acrylic<br>B = .125 Prismatic Poly.<br>C = .156 Prismatic Poly.<br>D = .187 Prismatic Poly.*<br>E = .125 White Frost Poly.<br>G = .140 Prismatic DR Acrylic | <b>Voltage</b><br>12 = 120V<br>27 = 277V<br>34 = 347V<br>UN = Universal (120V-277V)                                    | <b>Options</b><br>FZ = Fuse*<br>DM = 0-10V dimming with 10-100% range<br>DMI = 0-10V dimming with 1-100% range<br>SD2 = Step Dim. Module (50-100%)<br>SD3 = Step Dim. Module (30-70-100%)<br>EL1 = Emerg. Batt. LED Low (10W)*<br>EL2 = Emerg. Batt. LED High (20W)*<br>RF = (RIF) Radio Interference Filter<br>TH = Torx® Head screws (with center pin)<br>CEL1 = CA Title 24 Emerg. Batt LED Low<br>CEL2 = CA Title 24 Emerg. Batt LED High<br><br>*Cannot use with UN voltage. |   |



**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. 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 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 pretreatment.

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

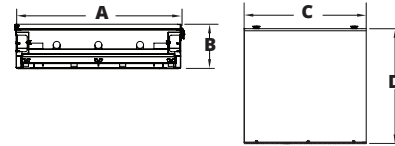
**MOUNTING:** Grid or Flange installation. Flange fixtures come with adjustable 90° swing arm for easy installation. Mounting for custom ceilings available, consult factory. Mounting for custom ceilings available, consult factory.

**WARRANTY:** Limited five (5) year warranty.

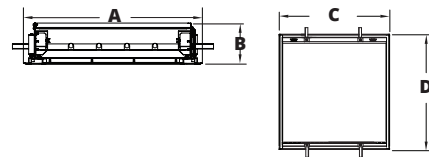
**LABEL:** Fixture is certified to UL Standards by Intertek Testing Laboratory. IP65 Rated per IEC60598. NSF2 Splash/Non-Food Zone listed. Meets ISO4 Cleanroom standards.

## DIMENSIONAL DATA

### GRID MOUNTING



### FLANGE MOUNTING



|              | A      | B     | C      | D      | REC. CEILING CUT-OUT |
|--------------|--------|-------|--------|--------|----------------------|
| <b>STG22</b> | 23.69" | 6.41" | 24.11" | 23.69" | -                    |
| <b>STG24</b> | 23.69" | 6.41" | 48.12" | 23.69" | -                    |
| <b>STF22</b> | 26.50" | 6.75" | 25.13" | 26.13" | 24.375" x 24.375"    |
| <b>STF24</b> | 26.50" | 6.75" | 50.13" | 26.13" | 24.375" x 48.375"    |



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



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