

## DESCRIPTION

The SSF Series is a functional and multi-purpose standard strip family that incorporates premium performance and construction durability. Designed with our easy-to-use Flip-Up socket design, the SSF significantly reduces installation time. The performance and application versatility of this series can be increased by incorporating symmetrical or asymmetrical reflectors. The SSF Series can be installed using various mounting methods and numerous options and accessories are available. The SSF Series can be the illumination solution in commercial, industrial, retail and residential applications. Fixtures can be used in storage/utility areas, coves, display cases, shops, task and general area lighting.

|                    |  |             |
|--------------------|--|-------------|
| <b>Catalog #</b>   |  | <b>Type</b> |
| <b>Project</b>     |  |             |
| <b>Comments</b>    |  | <b>Date</b> |
| <b>Prepared by</b> |  |             |

## SPECIFICATION FEATURES

### A... Construction

Channel die cold rolled steel with numerous KOs for ease of installation. Groove for Tong Hanger. End plate quickly converts to snap-in channel connector for continuous row alignment. Lamp holder bracket flips in place. Channel/wireway cover secured with quarter-turn fasteners.

### B... Electrical\*

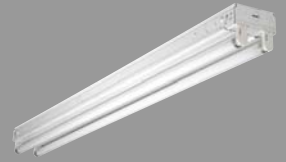
Ballasts are CBM/ETL Class "P" and are positively secured by mounting bolts. Rotor Lock lampholders. UL/CUL listed. Suitable for damp locations.

### C... Finish

Multistage iron phosphate pretreatment ensures maximum bonding and rust inhibitor. Lighting upgrade and silver enamel finish. Prepainted material is standard, PAF optional.

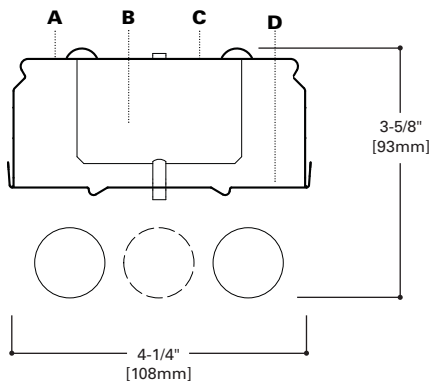
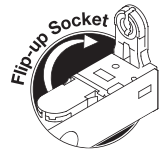
### D... Channel/Wireway Cover

Die formed heavy gauge steel. Tight fit for ease of maintenance. Easily removed without use of tools. Optional reflector available incorporating silver technology enhancements (Silver Lining). Consult Pre Sales Technical Support.

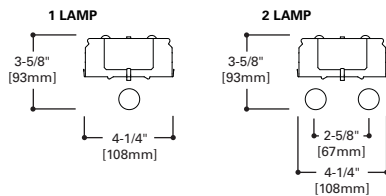


**SSF**  
117, 125  
128T8  
132, 217, 225  
228T8  
232  
328T8  
332

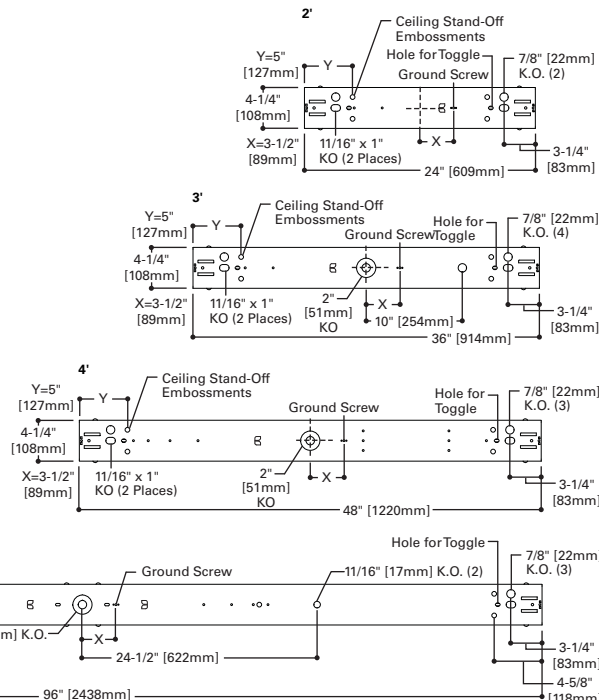
2', 3' OR 4' STRIP  
1, 2 OR 3 T8 LAMPS  
Standard Striplite



## LAMP CONFIGURATIONS



## MOUNTING DATA



## ENERGY DATA

Input Watts:

**EB Ballasts Normal Ballast Factor**  
117 (20), 217 (34), 125 (23), 225 (53),  
128T8 (25), 228T8 (49), 328T8 (71),  
132 (28), 232 (58), 332 (80)

**EB Ballasts Low Ballast Factor**  
125 (21), 225 (40), 128T8 (22),  
228T8 (44), 328T8 (64), 132 (25),  
232 (48), 332 (72)

Luminaire Efficacy Rating

LER = FS-88

Catalog Number: SSF-232

Yearly Cost of 1000 lumens,  
3000 hrs at .08 KWH = \$2.73

(\*Reference the lamp/ballast data in the Technical Section for specific lamp/ballast requirements.)

LAMPS CONTAIN MERCURY. DISPOSE ACCORDING TO LOCAL, STATE OR FEDERAL LAWS

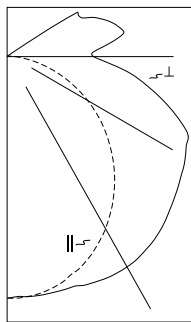
**LINEAR DISCONNECT**

Safe and convenient means of disconnecting power.



ADF081661

PHOTOMETRICS



**SSF-228T8**  
Electronic Ballast  
F28T8-SP35-UMX-ECO Lamps  
2750 Lumens  
Spacing criterion:  
(II) 1.3 x mounting height, (L) 1.5 x mounting height  
Efficiency 86.2%  
Test Report: SS232.IES  
LER = FS95  
Yearly Cost of 1000 lumens, 3000 hrs at .08 KWH = \$2.53

**Candlepower**

| Angle | Along II | 45° | Across L |
|-------|----------|-----|----------|
| 0     | 929      | 929 | 929      |
| 5     | 927      | 928 | 927      |
| 10    | 916      | 925 | 928      |
| 15    | 896      | 914 | 927      |
| 20    | 869      | 899 | 936      |
| 25    | 834      | 888 | 945      |
| 30    | 792      | 876 | 949      |
| 35    | 742      | 860 | 946      |
| 40    | 687      | 837 | 934      |
| 45    | 627      | 808 | 915      |
| 50    | 561      | 771 | 889      |
| 55    | 492      | 727 | 866      |
| 60    | 418      | 675 | 845      |
| 65    | 340      | 632 | 818      |
| 70    | 261      | 598 | 775      |
| 75    | 181      | 554 | 674      |
| 80    | 106      | 443 | 568      |
| 85    | 41       | 340 | 453      |
| 90    | 5        | 234 | 349      |

**Coefficients of Utilization**

| rc | Effective floor cavity reflectance |    |    |     |    |    |     |    |    |     |    |    |     |    |    |    |    |    |
|----|------------------------------------|----|----|-----|----|----|-----|----|----|-----|----|----|-----|----|----|----|----|----|
|    | 80%                                |    |    | 70% |    |    | 50% |    |    | 30% |    |    | 10% |    |    | 0% |    |    |
|    | 70                                 | 50 | 30 | 10  | 70 | 50 | 30  | 10 | 50 | 30  | 10 | 50 | 30  | 10 | 50 | 30 | 10 | 0  |
| 0  | 99                                 | 99 | 99 | 99  | 95 | 95 | 95  | 95 | 88 | 88  | 88 | 81 | 81  | 81 | 75 | 75 | 75 | 73 |
| 1  | 88                                 | 83 | 78 | 74  | 84 | 79 | 75  | 71 | 73 | 69  | 66 | 67 | 64  | 62 | 62 | 60 | 58 | 55 |
| 2  | 79                                 | 70 | 63 | 57  | 75 | 67 | 61  | 56 | 62 | 57  | 52 | 57 | 53  | 49 | 52 | 49 | 46 | 43 |
| 3  | 71                                 | 61 | 53 | 46  | 67 | 58 | 51  | 45 | 53 | 47  | 42 | 49 | 44  | 40 | 45 | 41 | 37 | 35 |
| 4  | 64                                 | 53 | 45 | 38  | 61 | 51 | 43  | 37 | 47 | 40  | 35 | 43 | 38  | 33 | 40 | 35 | 31 | 29 |
| 5  | 59                                 | 47 | 38 | 32  | 56 | 45 | 37  | 31 | 42 | 35  | 30 | 38 | 33  | 28 | 35 | 31 | 27 | 24 |
| 6  | 54                                 | 42 | 34 | 28  | 51 | 40 | 33  | 27 | 37 | 31  | 26 | 34 | 29  | 24 | 32 | 27 | 23 | 21 |
| 7  | 50                                 | 38 | 30 | 24  | 48 | 36 | 29  | 23 | 34 | 27  | 22 | 31 | 26  | 21 | 29 | 24 | 20 | 18 |
| 8  | 46                                 | 34 | 26 | 21  | 44 | 33 | 26  | 21 | 31 | 24  | 20 | 28 | 23  | 19 | 26 | 22 | 18 | 16 |
| 9  | 43                                 | 31 | 24 | 19  | 41 | 30 | 23  | 18 | 28 | 22  | 18 | 26 | 21  | 17 | 24 | 20 | 16 | 14 |
| 10 | 40                                 | 29 | 22 | 17  | 39 | 28 | 21  | 17 | 26 | 20  | 16 | 24 | 19  | 15 | 23 | 18 | 14 | 13 |

**Zonal Lumen Summary**

| Zone   | Lumens | %Lamp | %Fixture |
|--------|--------|-------|----------|
| 0-30   | 758    | 13.8  | 16.0     |
| 0-40   | 1291   | 23.5  | 27.2     |
| 0-60   | 2533   | 46.1  | 53.5     |
| 0-90   | 3988   | 72.5  | 84.2     |
| 90-180 | 751    | 13.6  | 15.8     |
| 0-180  | 4739   | 86.2  | 100.0    |

ORDERING INFORMATION

SAMPLE NUMBER: SSF-232-UNV-EB81-U

|   |   |   |   |  |  |
|---|---|---|---|--|--|
| <p><b>Tandem</b><br/>Blank=2', 3' or 4' Length<br/>8T=8' Length</p> | <p><b>Number of Lamps</b><br/>(Not Included)<br/>1=1 Lamp<br/>2=2 Lamps<br/>3=3 Lamps<sup>(1)</sup></p> | <p><b>Voltage</b><sup>(2)</sup><br/>120V=120 Volt<br/>277V=277 Volt<br/>347V=347 Volt<br/>UNV=Universal Voltage 120-277</p> | <p><b>Options</b><sup>(2)</sup><br/>GL=Single Element Fuse<br/>GM=Double Element Fuse<br/>EL4=Emergency Installed<sup>(4) (5)</sup></p> | <p><b>Ballast Type</b><sup>(2)</sup><br/>EB8 =T8 Electronic Instant Start.<br/>Total Harmonic Distortion &lt; 10%<br/>No. of Ballast<br/>1 or 2<br/>EB8_/PLUS= T8 Electronic Instant Start.<br/>High Ballast Factor &gt;1.13.<br/>Total Harmonic Distortion &lt; 10%<br/>No. of Ballast<br/>1 or 2<br/>ER8 =T8 Electronic Program Rapid Start.<br/>Total Harmonic Distortion &lt; 10%<br/>No. of Ballast<br/>1 or 2<br/>ER8_/PLUS= T8 Electronic Program Start.<br/>High Ballast Factor &gt;1.13.<br/>Total Harmonic Distortion &lt; 10%<br/>No. of Ballast<br/>1 or 2</p> | <p><b>Options</b><br/>RIF1=Radio Interference Suppressor<br/>6-3/18 SJT-C&amp;P-515P=Cord &amp; Plug (120V) (15 AMP)<sup>(6)</sup><br/>6-3/18 SJT-C&amp;P-L715P=Cord &amp; Plug (277V) (15 AMP)<sup>(6)</sup><br/>PI/CPI=Plug-In Option<sup>(6)</sup><br/>TILW=Tandem In-Line Wiring Option (Consult TILW Option Catalog Page)<sup>(6)</sup></p> |
|---|---|---|---|--|--|

**ACCESSORIES**  
(Order Separately)

A1B/Spacer-U=Spacer 1-1/2" to 2-1/2" from ceiling (Use 2 Per Fixture)  
GRP-SSF=Gripper Hanger (Use 2 Per Fixture)  
AYC-Chain/Set=36" Chain Hanger (Use 1 Set Per Fixture)  
SCF=Fixed Stem Set (Specify Length)  
SCS=Swivel Stem Set (Specify Length)  
SCA=Adjustable 48" Stem Set  
CLC-SSF=Long Channel Connector SSF  
SSF-ASY-4<sup>(3)</sup>=3" Asymmetric Reflector (Specify 2', 3', or 4')  
SSF-REV-4<sup>(3)</sup>=3" Asymmetric Reverse Reflector SSF (Specify 2', 3', or 4')  
SSF-SYM-4<sup>(3)</sup>=6" Symmetric Reflector Specify (2', 3' or 4')  
ICF-4FT-REFL=12" Symmetric Reflector  
WG/SSF-2FT=2' Wire Guard  
WG/SSF-3FT=3' Wire Guard  
WG/SSF-4FT=4' Wire Guard  
TOGGLE=Single Toggle NO. 2 (Specify Length)  
Y-TOGGLE=Y Toggle NO. 2 (Specify Length)

SHIPPING INFORMATION

| Catalog No. | Wt.     |
|-------------|---------|
| SSF-117     | 7 lbs.  |
| SSF-217     | 7 lbs.  |
| SSF-125     | 9 lbs.  |
| SSF-225     | 9 lbs.  |
| SSF-128T8   | 9 lbs.  |
| SSF-228T8   | 9 lbs.  |
| SSF-132     | 7 lbs.  |
| 8TSSF-132   | 16 lbs. |
| SSF-232     | 9 lbs.  |
| 8TSSF-232   | 20 lbs. |

**HPT8 Ballast**  
HB8\_L=T8 Electronic Instant Start. Low Ballast Factor .77  
HB8\_=T8 Electronic Instant Start. Ballast Factor .88  
HB8\_N=T8 Electronic Instant Start. Normal Ballast Factor 1.0  
HB8\_H=T8 Electronic Instant Start. High Ballast Factor 1.15-1.2  
HR8\_DIM=T8 Electronic Program Start Step Dimming. Ballast Factor .88  
HR8\_L=T8 Electronic Program Start. Low Ballast Factor .77 max.  
HR8\_=T8 Electronic Program Start. Ballast Factor .88  
HR8\_H=T8 Electronic Program Start. High Ballast Factor 1.15-1.2

NOTES: <sup>(1)</sup> Available in 28T8 and 32 watt. Requires two ballasts for Tandem option. <sup>(2)</sup> Products also available in non-US voltages and frequencies for international markets. <sup>(3)</sup> For SilverLining reflector add SS in Catalog Number, Example: SSF-ASY-SS-4. <sup>(4)</sup> Not available for 2' version. <sup>(5)</sup> For other emergency options specify manufacturer part number and consult the factory for availability (example: EL-FBP240H). <sup>(6)</sup> Socket brackets left uninstalled. <sup>(7)</sup> When utilizing 28W T8 lamps, HPT8 Ballast must be specified. Other ballast restrictions may apply. Consult your Cooper Lighting Representative for availability and ordering information.

Specifications & dimensions subject to change without notice. Consult your Cooper Lighting Representative for availability and ordering information.

