

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.

| | | |
|--------------------|--|-------------|
| Catalog # | | Type |
| Project | | |
| Comments | | Date |
| Prepared by | | |

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*

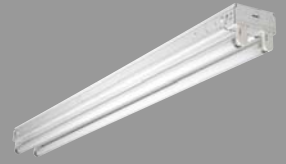
Ballasts are CBM/ETL Class "P" and are positively secured by mounting bolts. Rotor Lock lampholders. UL/CUL listed. Suitable for damp locations.

C... Finish

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

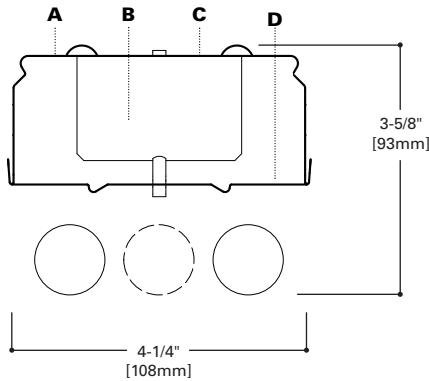
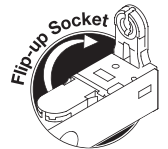
D... Channel/Wireway Cover

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.

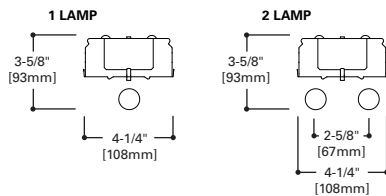


SSF
117, 125
128T8
132, 217, 225
228T8
232
328T8
332

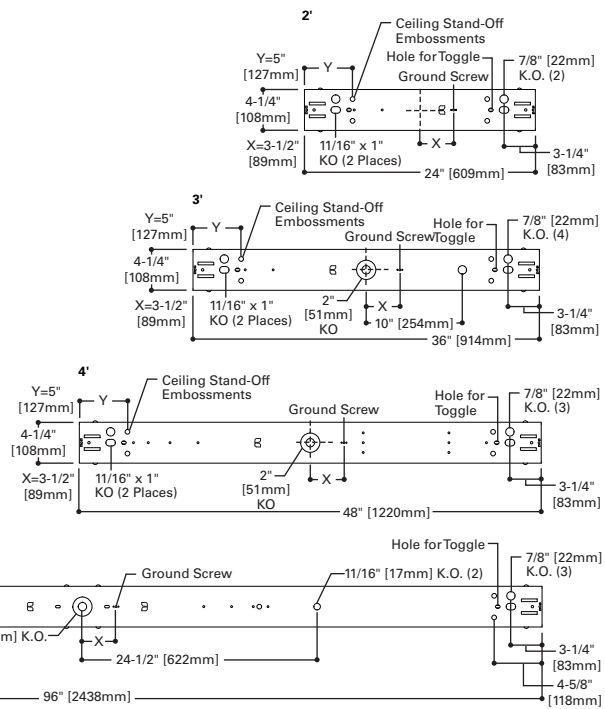
2', 3' OR 4' STRIP
1, 2 OR 3 T8 LAMPS
Standard Striplite



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

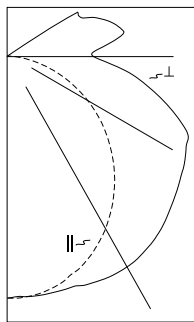
LINEAR DISCONNECT

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 | 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>Tandem Blank=2', 3' or 4' Length 8T=8' Length</p> | <p>Number of Lamps (Not Included) 1=1 Lamp 2=2 Lamps 3=3 Lamps⁽¹⁾</p> | <p>Voltage⁽²⁾ 120V=120 Volt 277V=277 Volt 347V=347 Volt UNV=Universal Voltage 120-277</p> | <p>Options⁽²⁾ GL=Single Element Fuse GM=Double Element Fuse EL4=Emergency Installed^{(4) (5)}</p> |
| <p>Series SSF=Commercial Standard Striplite</p> | <p>Wattage 17=17W T8 (24") 25=25W T8 (36") 28T8=28W T8 (48")⁽⁷⁾ 32=32W T8 (48")</p> | <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⁽³⁾=3" Asymmetric Reflector (Specify 2', 3', or 4') SSF-REV-4⁽³⁾=3" Asymmetric Reverse Reflector SSF (Specify 2', 3', or 4') SSF-SYM-4⁽³⁾=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)</p> | |

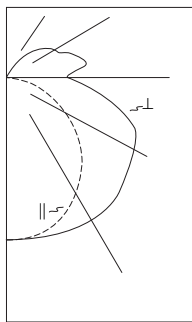
SHIPPING INFORMATION

| 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. |

(Additional Accessories Available. See Options and Accessories Section.)



SSF-232
Electronic Ballast
FO32T8 Lamps
2900 Lumens
Spacing criterion:
(II) 1.3 x mounting height, (L) 1.6 x mounting height
Efficiency 91.6%
Test Report: SS232.IES
LER = FS-88
Yearly Cost of 1000 lumens, 3000 hrs at .08 KWH = \$2.73



| Candlepower | | | | |
|-------------|----------|------|----------|--|
| Angle | Along II | 45° | Across L | |
| 0 | 1017 | 1017 | 1017 | |
| 5 | 1007 | 1010 | 1021 | |
| 10 | 949 | 985 | 1030 | |
| 15 | 857 | 951 | 1042 | |
| 20 | 738 | 906 | 1029 | |
| 25 | 588 | 830 | 978 | |
| 30 | 422 | 727 | 920 | |
| 35 | 252 | 632 | 834 | |
| 40 | 104 | 456 | 601 | |
| 45 | 0 | 253 | 393 | |
| 50 | 0 | 320 | 518 | |
| 55 | 0 | 246 | 430 | |
| 60 | 0 | 199 | 353 | |
| 65 | 0 | 131 | 263 | |
| 70 | 0 | 69 | 167 | |
| 75 | 0 | 17 | 76 | |
| 80 | 0 | 1 | 7 | |
| 85 | 0 | 0 | 0 | |
| 90 | 0 | 0 | 0 | |

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 | 50 | 30 | 10 | 0 | | | |
| 0 | 105 | 105 | 105 | 105 | 100 | 100 | 100 | 100 | 92 | 92 | 92 | 84 | 84 | 84 | 77 | 77 | 77 | 74 | | | | | | |
| 1 | 93 | 87 | 83 | 78 | 88 | 84 | 79 | 75 | 76 | 73 | 70 | 70 | 67 | 64 | 64 | 61 | 59 | 56 | | | | | | |
| 2 | 83 | 74 | 67 | 61 | 79 | 71 | 65 | 59 | 65 | 60 | 55 | 59 | 55 | 51 | 54 | 51 | 47 | 44 | | | | | | |
| 3 | 75 | 64 | 56 | 49 | 71 | 62 | 54 | 48 | 56 | 50 | 45 | 51 | 46 | 42 | 47 | 42 | 39 | 36 | | | | | | |
| 4 | 68 | 56 | 48 | 41 | 65 | 54 | 46 | 40 | 49 | 43 | 37 | 45 | 39 | 35 | 41 | 36 | 32 | 30 | | | | | | |
| 5 | 62 | 50 | 41 | 35 | 59 | 48 | 40 | 34 | 44 | 37 | 32 | 40 | 34 | 30 | 37 | 32 | 28 | 25 | | | | | | |
| 6 | 57 | 44 | 36 | 30 | 54 | 43 | 35 | 29 | 39 | 32 | 27 | 36 | 30 | 26 | 33 | 28 | 24 | 22 | | | | | | |
| 7 | 53 | 40 | 32 | 26 | 50 | 38 | 31 | 25 | 35 | 29 | 24 | 33 | 27 | 22 | 30 | 25 | 21 | 19 | | | | | | |
| 8 | 49 | 36 | 28 | 23 | 47 | 35 | 27 | 22 | 32 | 26 | 21 | 30 | 24 | 20 | 27 | 22 | 19 | 17 | | | | | | |
| 9 | 46 | 33 | 25 | 20 | 44 | 32 | 25 | 20 | 30 | 23 | 19 | 27 | 22 | 18 | 25 | 20 | 17 | 15 | | | | | | |
| 10 | 43 | 30 | 23 | 18 | 41 | 29 | 22 | 18 | 27 | 21 | 17 | 25 | 20 | 16 | 23 | 18 | 15 | 13 | | | | | | |

Zonal Lumen Summary

| Zone | Lumens | %Lamp | %Fixture |
|--------|--------|-------|----------|
| 0-30 | 830 | 14.3 | 15.6 |
| 0-40 | 1411 | 24.3 | 26.6 |
| 0-60 | 2753 | 47.5 | 51.8 |
| 0-90 | 4288 | 73.9 | 80.7 |
| 90-180 | 1023 | 17.6 | 19.3 |
| 0-180 | 5311 | 91.6 | 100.0 |

| | |
|--|--|
| <p>Ballast Type⁽²⁾ EB8 =T8 Electronic Instant Start. Total Harmonic Distortion < 10% No. of Ballast 1 or 2 EB8_/PLUS= T8 Electronic Instant Start. High Ballast Factor >1.13. Total Harmonic Distortion < 10% No. of Ballast 1 or 2 ER8 =T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10% No. of Ballast 1 or 2 ER8_/PLUS= T8 Electronic Program Start. High Ballast Factor >1.13. Total Harmonic Distortion < 10% No. of Ballast 1 or 2</p> | <p>Options RIF1=Radio Interference Suppressor 6-3/18 SJT-C&P-515P=Cord & Plug (120V) (15 AMP)⁽⁶⁾ 6-3/18 SJT-C&P-L715P=Cord & Plug (277V) (15 AMP)⁽⁶⁾ PI/CPI=Plug-In Option⁽⁶⁾ TILW=Tandem In-Line Wiring Option (Consult TILW Option Catalog Page)⁽⁶⁾</p> |
| <p>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</p> | <p>Packaging U=Unit Pack 4B=4 Bulk Packing (48" and 96")</p> |

NOTES: ⁽¹⁾ Available in 28T8 and 32 watt. Requires two ballasts for Tandem option. ⁽²⁾ Products also available in non-US voltages and frequencies for international markets. ⁽³⁾ For SilverLining reflector add SS in Catalog Number, Example: SSF-ASY-SS-4. ⁽⁴⁾ Not available for 2' version. ⁽⁵⁾ For other emergency options specify manufacturer part number and consult the factory for availability (example: EL-FBP240H). ⁽⁶⁾ Socket brackets left uninstalled. ⁽⁷⁾ 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.