

## DESCRIPTION

The SNF Series is a functional and multi-purpose narrow strip family that incorporates premium performance and construction durability. Designed with our easy-to-use Flip-Up socket design, the SNF significantly reduces installation time. The performance and application versatility of this series can be increased by incorporating symmetrical or asymmetrical reflectors. The SNF Series can be installed using various mounting methods and numerous options and accessories are available.

## SPECIFICATION FEATURES

### Construction

Channel is die formed 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.

### 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.

### Electrical\*

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

### Finish

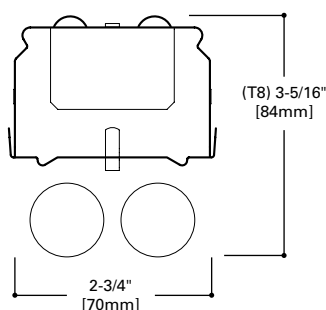
Multistage iron phosphate pretreatment ensures maximum bonding and rust inhibitor. Lighting upgrade, baked white enamel finish. Prepainted material is standard, PAF optional.

### Application

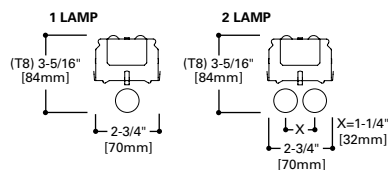
The small size of the SNF makes it an ideal choice for size-restricted architectural applications. The SNF Series can be the illumination solution in commercial, industrial, retail and residential applications. Fixtures can be used in storage/utility areas, coves, display cases, shops, task and general area lighting.

### Compliance

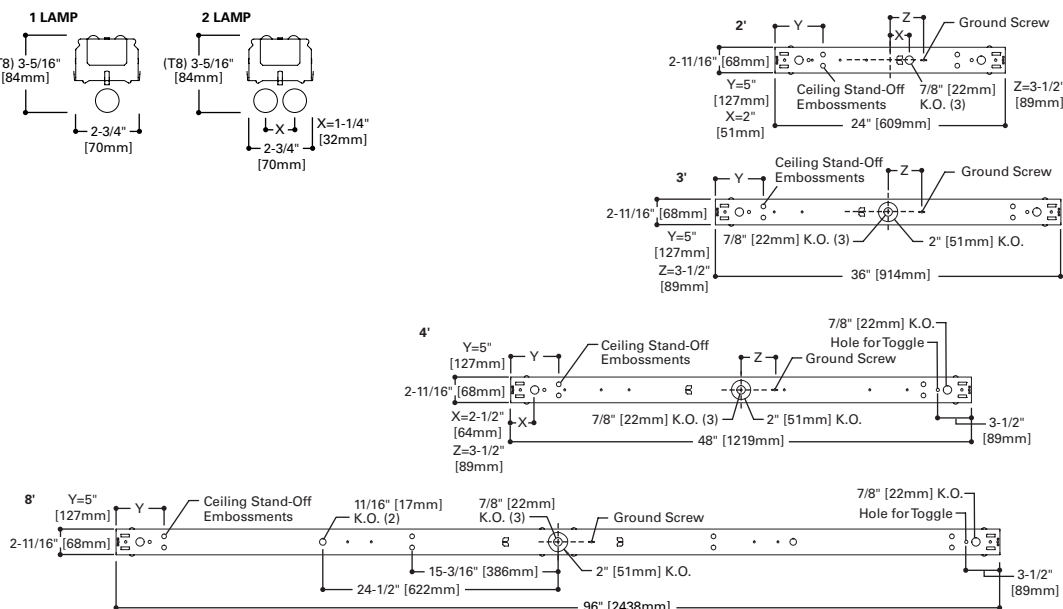
Options to meet Buy American and other domestic preference requirements.



## LAMP CONFIGURATIONS



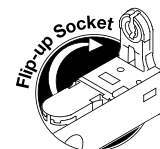
## MOUNTING DATA



**SNF**  
117, 125  
128T8, 132  
217, 225  
228T8, 232

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

Narrow Striplite



## ENERGY DATA

Input Watts:

**EB Ballasts Normal Ballast Factor**

117 (20), 217 (34), 125 (23),  
128T8 (28), 132 (31), 225 (53),  
228T8 (49), 232 (58)

**HB Ballasts Normal Ballast Factor**

117 (18), 217 (31), 128T8 (25),  
228T8 (48), 132 (28), 232 (53),

**EB Ballasts Low Ballast Factor**

125 (21), 128T8 (22), 132 (25),  
225 (40), 228T8 (44), 232 (48)

Luminaire Efficacy Rating

LER = FS-85

Catalog Number: SNF-132

Yearly Cost of 1000 lumens,  
3000 hrs at .08 KWH = \$2.82

\*Reference the lamp/ballast data in the  
Technical Section for specific lamp/ballast  
requirements. \*One lamp only.

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

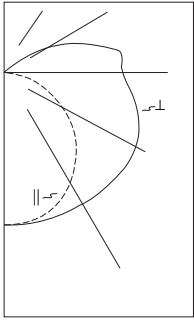
**LINEAR DISCONNECT**

Safe and convenient means of  
disconnecting power.



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## PHOTOMETRICS

**SNF-132**

Electronic Ballast

F32T8/35K Lamps

2900 Lumens

Spacing criterion:  
(II) 1.2 x mounting  
height, (⊥) 1.5 x  
mounting height

Efficiency 93.4%

Test Report:  
SN132.IES

LER = FS-85

Yearly Cost of 1000  
lumens, 3000 hrs at  
.08 KWH = \$2.82

**Coefficients of Utilization**

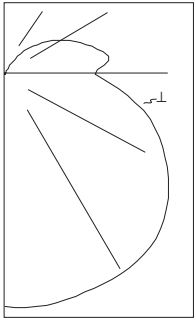
| Effective floor cavity reflectance |     |     |     |     |     |     |     |     |     | 20% |    |    |     |    |    |    |     |    |  |  |    |  |  |
|------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-----|----|----|----|-----|----|--|--|----|--|--|
| rc                                 | 80% |     |     |     | 70% |     |     |     | 50% |     |    |    | 30% |    |    |    | 10% |    |  |  | 0% |  |  |
| rw                                 | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10 | 50 | 30  | 10 | 50 | 30 | 10  | 0  |  |  |    |  |  |
| RCR                                |     |     |     |     |     |     |     |     |     |     |    |    |     |    |    |    |     |    |  |  |    |  |  |
| 0                                  | 107 | 107 | 107 | 107 | 102 | 102 | 102 | 102 | 94  | 94  | 94 | 86 | 86  | 86 | 79 | 79 | 79  | 76 |  |  |    |  |  |
| 1                                  | 94  | 89  | 84  | 79  | 90  | 85  | 80  | 76  | 77  | 74  | 70 | 71 | 68  | 65 | 64 | 62 | 60  | 57 |  |  |    |  |  |
| 2                                  | 84  | 75  | 68  | 61  | 80  | 72  | 65  | 59  | 66  | 60  | 55 | 60 | 55  | 51 | 54 | 51 | 48  | 44 |  |  |    |  |  |
| 3                                  | 76  | 65  | 57  | 50  | 72  | 62  | 55  | 48  | 57  | 51  | 45 | 52 | 47  | 42 | 47 | 43 | 39  | 36 |  |  |    |  |  |
| 4                                  | 69  | 57  | 48  | 41  | 66  | 55  | 47  | 40  | 50  | 43  | 38 | 46 | 40  | 35 | 42 | 37 | 33  | 30 |  |  |    |  |  |
| 5                                  | 63  | 50  | 41  | 34  | 60  | 48  | 39  | 33  | 44  | 37  | 31 | 40 | 34  | 29 | 37 | 31 | 27  | 25 |  |  |    |  |  |
| 6                                  | 58  | 44  | 35  | 29  | 55  | 43  | 34  | 28  | 39  | 32  | 27 | 36 | 30  | 25 | 33 | 27 | 23  | 21 |  |  |    |  |  |
| 7                                  | 53  | 40  | 31  | 25  | 50  | 38  | 30  | 24  | 35  | 28  | 23 | 32 | 26  | 21 | 29 | 24 | 20  | 18 |  |  |    |  |  |
| 8                                  | 49  | 36  | 27  | 21  | 46  | 34  | 26  | 21  | 31  | 24  | 20 | 29 | 23  | 18 | 26 | 21 | 17  | 15 |  |  |    |  |  |
| 9                                  | 45  | 32  | 24  | 18  | 43  | 31  | 23  | 18  | 28  | 21  | 17 | 26 | 20  | 16 | 24 | 19 | 15  | 13 |  |  |    |  |  |
| 10                                 | 42  | 29  | 21  | 16  | 40  | 28  | 21  | 16  | 26  | 19  | 15 | 24 | 18  | 14 | 22 | 17 | 13  | 11 |  |  |    |  |  |

**Zonal Lumen Summary**

| Zone   | Lumens | %Lamp | %Fixture |
|--------|--------|-------|----------|
| 0-30   | 391    | 13.5  | 14.4     |
| 0-40   | 662    | 22.8  | 24.5     |
| 0-60   | 1307   | 45.1  | 48.3     |
| 0-90   | 2192   | 75.6  | 81.0     |
| 90-180 | 515    | 17.8  | 19.0     |
| 0-180  | 2708   | 93.4  | 100.0    |

**Candela**

| Angle | Along II | 45° | Across ⊥ |
|-------|----------|-----|----------|
| 0     | 481      | 481 | 481      |
| 10    | 474      | 478 | 479      |
| 20    | 448      | 468 | 481      |
| 30    | 405      | 447 | 479      |
| 40    | 347      | 421 | 480      |
| 50    | 278      | 393 | 481      |
| 60    | 201      | 367 | 474      |
| 70    | 120      | 332 | 449      |
| 80    | 44       | 278 | 408      |
| 90    | 2        | 237 | 368      |
| 100   | 2        | 213 | 367      |
| 110   | 2        | 120 | 259      |
| 120   | 2        | 38  | 144      |
| 130   | 3        | 2   | 42       |
| 140   | 0        | 0   | 0        |
| 150   | 0        | 0   | 0        |
| 160   | 0        | 0   | 0        |
| 170   | 0        | 0   | 0        |
| 180   | 0        | 0   | 0        |

**SNF-232**

Electronic Ballast

Two F32T8/35K Lamps

2800 Lumens

Spacing criterion:  
(II) 1.2 x mounting  
height, (⊥) 1.5 x  
mounting height

Efficiency 90.1%

Test Report:  
SNF232.IES

LER = FS-

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

**Coefficients of Utilization**

| Effective floor cavity reflectance |     |     |     |     |     |    |    |    |     |    |    | 20% |     |    |    |    |     |    |  |  |    |  |  |
|------------------------------------|-----|-----|-----|-----|-----|----|----|----|-----|----|----|-----|-----|----|----|----|-----|----|--|--|----|--|--|
| rc                                 | 80% |     |     |     | 70% |    |    |    | 50% |    |    |     | 30% |    |    |    | 10% |    |  |  | 0% |  |  |
| rw                                 | 70  | 50  | 30  | 10  | 70  | 50 | 30 | 10 | 50  | 30 | 10 | 50  | 30  | 10 | 50 | 30 | 10  | 0  |  |  |    |  |  |
| RCR                                |     |     |     |     |     |    |    |    |     |    |    |     |     |    |    |    |     |    |  |  |    |  |  |
| 0                                  | 103 | 103 | 103 | 103 | 99  | 99 | 99 | 99 | 90  | 90 | 90 | 83  | 83  | 83 | 76 | 76 | 76  | 72 |  |  |    |  |  |
| 1                                  | 91  | 86  | 81  | 77  | 87  | 82 | 78 | 74 | 75  | 72 | 68 | 68  | 66  | 63 | 62 | 60 | 58  | 55 |  |  |    |  |  |
| 2                                  | 82  | 73  | 66  | 60  | 78  | 70 | 64 | 58 | 64  | 59 | 54 | 58  | 54  | 50 | 53 | 50 | 47  | 44 |  |  |    |  |  |
| 3                                  | 74  | 64  | 55  | 49  | 70  | 61 | 53 | 47 | 55  | 49 | 44 | 51  | 45  | 41 | 46 | 42 | 38  | 35 |  |  |    |  |  |
| 4                                  | 67  | 56  | 47  | 41  | 64  | 53 | 45 | 39 | 49  | 42 | 37 | 44  | 39  | 35 | 41 | 36 | 32  | 30 |  |  |    |  |  |
| 5                                  | 62  | 49  | 41  | 34  | 58  | 47 | 39 | 33 | 43  | 37 | 31 | 40  | 34  | 29 | 36 | 31 | 27  | 25 |  |  |    |  |  |
| 6                                  | 57  | 44  | 36  | 30  | 54  | 42 | 34 | 29 | 39  | 32 | 27 | 36  | 30  | 25 | 33 | 28 | 24  | 22 |  |  |    |  |  |
| 7                                  | 52  | 40  | 31  | 26  | 50  | 38 | 30 | 25 | 35  | 28 | 24 | 32  | 27  | 22 | 30 | 25 | 21  | 19 |  |  |    |  |  |
| 8                                  | 49  | 36  | 28  | 23  | 46  | 35 | 27 | 22 | 32  | 25 | 21 | 29  | 24  | 20 | 27 | 22 | 19  | 17 |  |  |    |  |  |
| 9                                  | 45  | 33  | 25  | 20  | 43  | 32 | 25 | 20 | 29  | 23 | 19 | 27  | 22  | 18 | 25 | 20 | 17  | 15 |  |  |    |  |  |
| 10                                 | 42  | 30  | 23  | 18  | 40  | 29 | 22 | 18 | 27  | 21 | 17 | 25  | 20  | 16 | 23 | 18 | 15  | 13 |  |  |    |  |  |

**Zonal Lumen Summary**

| Zone   | Lumens | %Lamp | %Fixture |
|--------|--------|-------|----------|
| 0-30   | 805    | 14.4  | 16.0     |
| 0-40   | 1364   | 24.4  | 27.0     |
| 0-60   | 2638   | 47.1  | 52.3     |
| 0-90   | 4049   | 72.3  | 80.3     |
| 90-180 | 993    | 17.7  | 19.7     |
| 0-180  | 5043   | 90.1  | 100.0    |

**Luminance Data**

| Angle in Deg | Average 0-Deg cd/sm | Average 45-Deg cd/sm | Average 90-Deg fcd/sm |
|--------------|---------------------|----------------------|-----------------------|
| 45           | 13624               | 17577                | 20140                 |
| 55           | 12829               | 19375                | 22766                 |
| 65           | 11676               | 22113                | 27282                 |
| 75           | 9619                | 28523                | 36952                 |
| 85           | 5173                | 56907                | 82706                 |

**Candela**

| Angle | Along II | 45° | Across ⊥ |
|-------|----------|-----|----------|
| 0     | 989      | 989 | 989      |
| 10    | 974      | 986 | 991      |
| 20    | 924      | 958 | 989      |
| 30    | 835      | 918 | 995      |
| 40    | 716      | 868 | 982      |
| 50    | 572      | 797 | 921      |
| 60    | 413      | 689 | 829      |
| 70    | 248      | 563 | 715      |
| 80    | 92       | 412 | 566      |
| 90    | 1        | 272 | 420      |
| 100   | 1        | 304 | 490      |
| 110   | 0        | 240 | 410      |
| 120   | 1        | 179 | 325      |
| 130   | 1        | 121 | 235      |
| 140   | 2        | 66  | 149      |
| 150   | 2        | 18  | 69       |
| 160   | 3        | 2   | 9        |
| 170   | 3        | 2   | 0        |
| 180   | 2        | 2   | 2        |

## ORDERING INFORMATION

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

|                                                                                                                                            |                                                                                                                                  |                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                               |                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| <b>Domestic Preferences</b> <sup>(8)</sup><br><b>[Blank]</b> =Standard<br><b>BAA</b> =Buy American Act<br><b>TAA</b> =Trade Agreements Act | <b>Tandem Blank</b> =2', 3' or 4' Length<br><b>8T</b> =8' Length<br><br><b>Series</b><br><b>SNF</b> =Commercial Narrow Striplite | <b>Number of Lamps</b> <sup>(1)</sup><br><b>1</b> =1 Lamp<br><b>2</b> =2 Lamp<br>(Not Included) | <b>Wattage</b><br><b>17</b> =17W T8 (24")<br><b>25</b> =25W T8 (36")<br><b>28T8</b> =28W T8 (48") <sup>(7)</sup><br><b>32</b> =32W T8 (48")<br><br><b>Voltage</b> <sup>(2)</sup><br><b>120V</b> =120 Volt<br><b>277V</b> =277 Volt<br><b>347V</b> =347 Volt<br><b>UNV</b> =Universal Voltage 120-277<br><br><b>Options</b> <sup>(2)</sup><br><b>GL</b> =Single Element Fuse<br><b>GM</b> =Double Element Fuse<br><b>ELLP</b> =Low Profile Emergency Installed <sup>(4), (5)</sup> | <b>Ballast Type</b> <sup>(2), (5)</sup><br><b>EB8</b> = T8 Electronic Instant Start.<br>Total Harmonic Distortion < 10%<br>No. of Ballast<br><b>1</b> or 2<br><b>EB8</b> / <b>PLUS</b> = T8 Electronic Instant Start.<br>High Ballast Factor >1.13.<br>Total Harmonic Distortion < 10%<br>No. of Ballast<br>1 or 2<br><b>ER8</b> = T8 Electronic Program Rapid Start.<br>Total Harmonic Distortion < 10%<br>No. of Ballast<br>1 or 2<br><b>ER8</b> / <b>PLUS</b> = T8 Electronic Program Start.<br>High Ballast Factor >1.13. Total Harmonic Distortion < 10%<br>No. of Ballast<br>1 or 2<br><br><b>HPT8 Ballast</b><br><b>Ballast</b><br><b>HB8_L</b> =T8 Electronic Instant Start. Low Ballast Factor .77<br><b>HB8</b> =T8 Electronic Instant Start. Ballast Factor .88<br><b>HB8_N</b> =T8 Electronic Instant Start. Normal Ballast Factor 1.0<br><b>HB8_H</b> =T8 Electronic Instant Start. High Ballast Factor 1.15-1.2<br><b>HR8_DIM</b> =T8 Electronic Program Start Step Dimming. Ballast Factor .88<br><b>HR8_L</b> =T8 Electronic Program Start. Low Ballast Factor .77<br><b>HR8</b> =T8 Electronic Program Start. Ballast Factor .88<br><b>HR8_H</b> =T8 Electronic Program Start. High Ballast Factor 1.15-1.2 | <b>Options</b><br><b>6-3/18 SJT-C&amp;P-515P</b> = Cord & Plug (120V) (15 AMP) <sup>(6)</sup><br><b>6-3/18 SJT-C&amp;P L715P</b> = Cord & Plug (277V) (15 AMP) <sup>(6)</sup><br><b>PI/CPI</b> =Plug-In Option <sup>(6)</sup> | <b>Packaging</b><br><b>U</b> =Unit Pack<br><b>6B</b> =6 Bulk Packing (96") |
|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|

**NOTES:** <sup>(1)</sup>2 lamps T8 only. <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: SNF-ASY-SS-4. <sup>(4)</sup>Not available for 2' version. <sup>(5)</sup>Maximum width clearance for ballast in channel is 2-7/32". <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.

<sup>(8)</sup> Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to [DOMESTIC PREFERENCES](#) website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. <sup>(9)</sup> Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.

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

ACCESSORIES <sup>(9)</sup>

(Order Separately)

**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  
**EYE-CHAIN/SET-B**=Eye Bolt Chain (Use 1 Set Per Fixture)  
**SNF-ASY-4** <sup>(3)</sup>=3" Asymmetric Reflector (Specify 2', 3' or 4')  
**SNF-SYM-4** <sup>(3)</sup>=6" Symmetric Reflector (Specify 2', 3' or 4')  
**SNF-REV-4** <sup>(3)</sup>=Reverse Asymmetric Reflector (Specify 2', 3' or 4')  
**WG/SNF-2FT**=2' Wire Guard  
**WG/SNF-3FT**=3' Wire Guard  
**WG/SNF-4FT**=4' Wire Guard  
**A1B/Spacer-U**=Spacer 1-1/2" to 2-1/2" from ceiling (Use 2 Per Fixture)  
**TOGGLE**=Single Toggle NO. 2 (Specify Length)  
**Y-TOGGLE**=Y Toggle NO. 2 (Specify Length)

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

## SHIPPING DATA

| Catalog No. | Wt.     |
|-------------|---------|
| SNF-117     | 5 lbs.  |
| SNF-217     | 5 lbs.  |
| SNF-125     | 6 lbs.  |
| SNF-225     | 6 lbs.  |
| SNF-132     | 12 lbs. |
| SNF-232     | 12 lbs. |
| SNF-128T8   | 12 lbs. |
| SNF-228T8   | 12 lbs. |
| 8TSNF-132   | 14 lbs. |
| 8TSNF-232   | 14 lbs. |