

COOPER LIGHTING - METALUX®

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. 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,

SPECIFICATION FEATURES

DESCRIPTION (Cont'd)

covers, display cases, shops, task and general area lighting.

A ... 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.

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, baked white enamel finish. Prepainted material is standard, PAF optional.

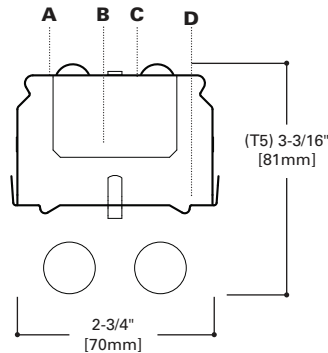
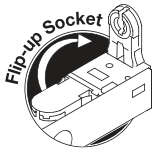
D ... Channel/Wireway Cover

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.

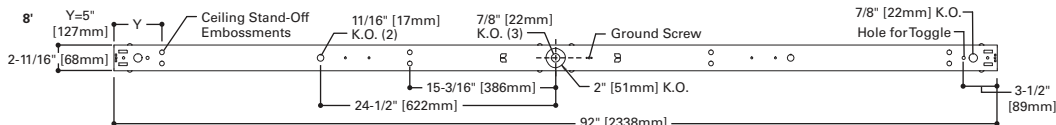
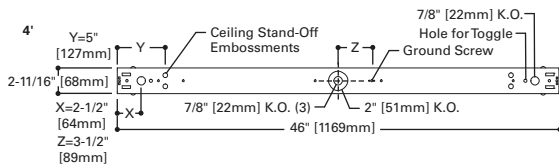
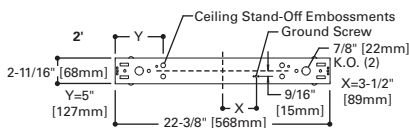


SNF
114T5
124T5
128T5
154T5
214T5
224T5
228T5
254T5

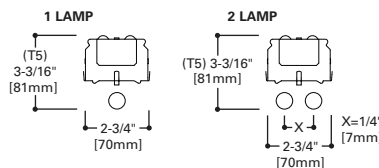
2' or 4' STRIP
1 OR 2 T5 OR T5HO LAMPS
Narrow Striplite



MOUNTING DATA



LAMP CONFIGURATIONS



ENERGY DATA

Input Watts:

Electronic Ballast & STD Lamps

114 (19), 214 (38), 124 (25), 224 (52),
128 (34), 228 (68), 154 (54), 254 (106)

Luminaire Efficacy Rating

LER = FS-75

Catalog Number: SNF-228T5

Yearly Cost of 1000 lumens,
3000 hrs at .08 KWH = \$3.20

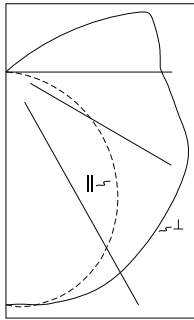
*Reference the lamp/ballast data in the
Technical Section for specific lamp/ballast
requirements.

¹ One lamp only.

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

LINEAR DISCONNECT
Safe and convenient means of
disconnecting power





SNF-128T5-UNV-EBT1
Electronic Ballast
F28T5/835 Lamps
2600 Lumens
Spacing criterion:
(||) 1.3 x mounting
height, (⊥) 1.5 x
mounting height
Efficiency 100.9%
Test Report: 122P110
LER = FS-75
Yearly Cost of 1000
lumens, 3000 hrs at
.08 KWH = \$3.20

Angle	Along	45°	Across ⊥
0	484	484	484
5	489	487	485
10	485	488	490
15	477	485	491
20	463	478	491
25	444	468	487
30	420	455	480
35	392	438	469
40	361	418	460
45	326	395	450
50	290	374	442
55	251	352	435
60	211	333	428
65	170	314	418
70	129	296	400
75	88	272	375
80	51	242	355
85	20	221	339
90	1	206	323

Coefficients of Utilization

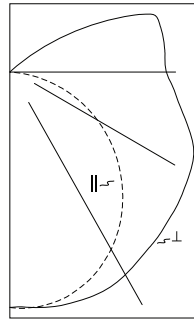
rc	Effective floor cavity reflectance 20%				rcw	Effective floor cavity reflectance 20%				RCR								
	80%	70%	50%	30%		80%	70%	50%	30%									
0	115	115	115	115	110	110	110	110	100	100	100	92	92	92	84	84	84	80
1	101	95	89	84	96	91	86	81	82	78	75	75	72	69	68	65	63	59
2	91	81	73	66	86	77	70	63	70	64	59	63	59	54	57	54	50	47
3	82	70	61	53	77	67	58	51	61	54	48	55	49	44	50	45	41	38
4	74	61	52	44	70	58	50	43	53	46	40	48	42	37	44	39	34	31
5	68	54	44	37	64	52	43	36	47	40	34	43	37	32	39	34	29	26
6	63	48	39	32	59	46	38	31	42	35	29	39	32	27	35	30	25	23
7	58	44	34	28	55	42	33	27	38	31	25	35	29	24	32	26	22	20
8	54	40	31	25	51	38	30	24	35	28	23	32	26	21	29	24	20	18
9	50	36	28	22	48	35	27	21	32	25	20	29	23	19	27	22	18	16
10	47	33	25	20	45	32	24	19	30	23	18	27	21	17	25	20	16	14

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	400	15.4	15.2
0-40	672	25.8	25.6
0-60	1289	49.6	49.1
0-90	2080	80.0	79.2
90-180	545	20.9	20.8
0-180	2624	100.9	100.0

Typical VCP Percentages

Room Size (Ft.)	Height Along		Height Across	
	8.5'	10.0'	8.5'	10.0'
20 x 20	34	46	19	30
30 x 30	23	30	10	16
30 x 60	19	24	3	5
60 x 30	18	24	13	19
60 x 60	13	18	4	6



SNF-154T5-UNV-EBT1
Electronic Ballast
F54T5/835 Lamps
4400 Lumens
Spacing criterion:
(||) 1.3 x mounting
height, (⊥) 1.5 x
mounting height
Efficiency 94.6%
Test Report: 122P112
LER = FS-67
Yearly Cost of 1000
lumens, 3000 hrs at
.08 KWH = \$3.51

Angle	Along	45°	Across ⊥
0	764	764	764
5	768	770	767
10	763	772	774
15	750	767	776
20	728	756	776
25	698	740	771
30	662	721	757
35	619	694	739
40	570	661	725
45	517	626	711
50	461	593	699
55	403	560	686
60	342	530	673
65	280	500	659
70	216	471	631
75	152	434	591
80	90	386	557
85	34	353	532
90	1	328	507

Coefficients of Utilization

rc	Effective floor cavity reflectance 20%				rcw	Effective floor cavity reflectance 20%				RCR								
	80%	70%	50%	30%		80%	70%	50%	30%									
0	108	108	108	108	103	103	103	103	94	94	94	86	86	86	79	79	79	75
1	95	89	84	79	90	85	80	76	77	73	70	70	67	64	64	61	59	55
2	85	76	68	62	80	72	65	59	66	60	55	59	55	51	54	50	47	44
3	77	65	57	50	73	62	54	48	57	50	45	51	46	41	47	42	38	35
4	70	57	48	41	66	55	46	40	50	43	37	45	39	35	41	36	32	29
5	64	51	42	35	60	48	40	34	44	37	32	40	34	29	37	31	27	25
6	59	45	36	30	56	43	35	29	40	33	27	36	30	25	33	28	24	21
7	54	41	32	26	51	39	31	25	36	29	24	33	27	22	30	25	21	19
8	50	37	29	23	48	36	28	22	33	26	21	30	24	20	27	22	19	16
9	47	34	26	20	45	33	25	20	30	23	19	28	22	18	25	20	17	15
10	44	31	23	18	42	30	23	18	28	21	17	25	20	16	23	19	15	13

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	631	14.3	15.2
0-40	1062	24.1	25.5
0-60	2041	46.4	49.0
0-90	3304	75.1	79.4
90-180	858	19.5	20.6
0-180	4161	94.6	100.0

Typical VCP Percentages

Room Size (Ft.)	Height Along		Height Across	
	8.5'	10.0'	8.5'	10.0'
20 x 20	23	33	12	20
30 x 30	14	19	6	10
30 x 60	11	15	2	3
60 x 30	11	16	7	12
60 x 60	8	11	2	3

ORDERING INFORMATION

SAMPLE NUMBER: SNF-228T5-UNV-EBT1-U

<p>Tandem Blank=2' or 4' Length 8T=8' Length</p>	<p>Number of Lamps 1=1 Lamp 2=2 Lamp (Not Included)</p>	<p>Voltage ⁽¹⁾ 120V=120 Volt 277V=277 Volt 347V=347 Volt UNV=Universal Voltage 120-277</p>	<p>Ballast Type ^{(1),(4)} EBT = T5 or T5HO Linear Electronic Program Rapid Start. Total Harmonic Distortion < 10%</p>	<p>Options RIF=Radio Interference Suppressor 6-3/18 SJT-C&P-515P=Cord & Plug (120V) (15 AMP)⁽⁵⁾ 6-3/18 SJT-C&P L715P=Cord & Plug (277V) (15 AMP)⁽⁵⁾ PI/CPI=Plug-In Option⁽⁵⁾</p>	<p>Packaging U=Unit Pack 6B=6 Bulk Packing (96")</p>
<p>Series SNF=Commercial Narrow StripLite</p>	<p>Wattage 14T5=14W T5 (24") 24T5=24W T5HO (24") 28T5=28W T5 (48") 54T5=54W T5HO (48")</p>	<p>Options ⁽¹⁾ GL=Single Element Fuse GM=Double Element Fuse EL5LP=Emergency Installed ^{(3),(4)} EL5HOLP=Emergency Installed for T5HO</p>	<p>Ballast Factor/Type (For 28WT5 and 14WT5 Lamps Only) N=Normal Light Output .95 BF ⁽¹⁾ H=High Light Output 1.15 BF ^{(1),(6)} NDIM=Normal .95-1.0 BF Step Dimming ⁽⁷⁾ HDIM=High 1.15 BF Step Dimming ^{(6),(7)}</p>		

ACCESSORIES (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-4T5⁽²⁾=3" Asymmetric Reflector (Specify 2' or 4')
- SNF-SYM-4T5⁽²⁾=6" Symmetric Reflector (Specify 2' or 4')
- SNF-REV-4T5⁽²⁾=Reverse Asymmetric Reflector (Specify 2' or 4')
- WG/SNFT5-4FT=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.)

NOTES: ⁽¹⁾Products also available in non-US voltages and frequencies for international markets. ⁽²⁾For SilverLining reflector add SS in Catalog Number, Example: SNF-ASY-SS-4T5. ⁽³⁾Not available for 2' version. ⁽⁴⁾Maximum width clearance for ballast in channel is 2-7/32". ⁽⁵⁾Socket brackets left uninstalled. ⁽⁶⁾1-Lamp ballast in the High Ballast factor not available. 2-Lamp ballast will not operate 1-Lamp. ⁽⁷⁾Step Dimming ballast available for 28WT5 and 14WT5 lamps only.

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

SHIPPING INFORMATION

Catalog No.	Wt.
SNF-114T5	4 lbs.
SNF-124T5	5 lbs.
SNF-128T5	5 lbs.
SNF-154T5	5 lbs.
SNF-214T5	6 lbs.
SNF-224T5	6 lbs.
SNF-228T5	6 lbs.
SNF-254T5	6 lbs.
8TSNF-228T5	14 lbs.

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SPECIFICATION FEATURES

DESCRIPTION (Cont'd)

covers, display cases, shops, task and general area lighting.

A ... 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.

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, baked white enamel finish. Prepainted material is standard, PAF optional.

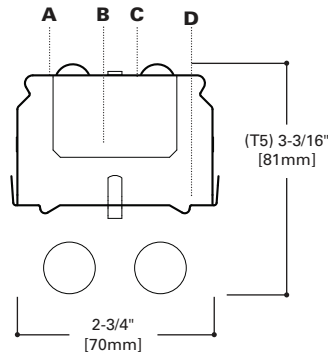
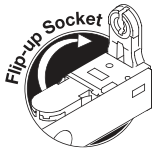
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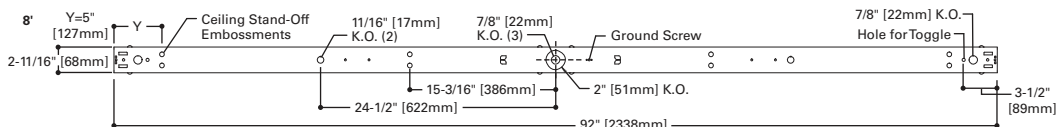
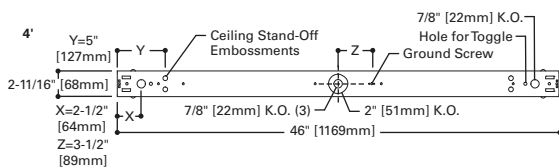
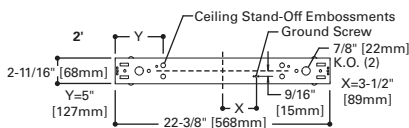


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114T5
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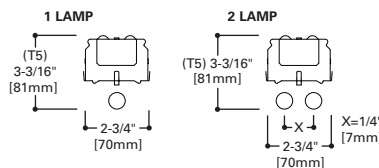
2' or 4' STRIP
1 OR 2 T5 OR T5HO LAMPS
Narrow Striplite



MOUNTING DATA



LAMP CONFIGURATIONS



ENERGY DATA

Input Watts:

Electronic Ballast & STD Lamps

114 (19), 214 (38), 124 (25), 224 (52),
128 (34), 228 (68), 154 (54), 254 (106)

Luminaire Efficacy Rating

LER = FS-75

Catalog Number: SNF-228T5

Yearly Cost of 1000 lumens,
3000 hrs at .08 KWH = \$3.20

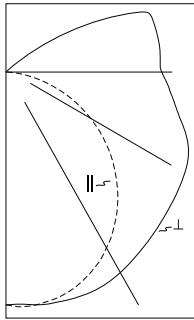
*Reference the lamp/ballast data in the
Technical Section for specific lamp/ballast
requirements.

¹ One lamp only.

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

LINEAR DISCONNECT
Safe and convenient means of
disconnecting power





SNF-128T5-UNV-EBT1
Electronic Ballast
F28T5/835 Lamps
2600 Lumens
Spacing criterion:
(||) 1.3 x mounting
height, (⊥) 1.5 x
mounting height
Efficiency 100.9%
Test Report: 122P110
LER = FS-75
Yearly Cost of 1000
lumens, 3000 hrs at
.08 KWH = \$3.20

Candlepower				
Angle	Along	45°	Across ⊥	
0	484	484	484	
5	489	487	485	
10	485	488	490	
15	477	485	491	
20	463	478	491	
25	444	468	487	
30	420	455	480	
35	392	438	469	
40	361	418	460	
45	326	395	450	
50	290	374	442	
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60	211	333	428	
65	170	314	418	
70	129	296	400	
75	88	272	375	
80	51	242	355	
85	20	221	339	
90	1	206	323	

Coefficients of Utilization

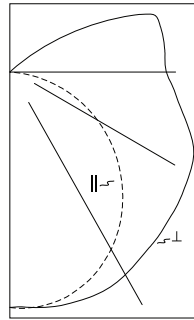
rc	Effective floor cavity reflectance 20%																	
	80%			70%			50%			30%			10%			0%		
	rw	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	115	115	115	115	110	110	110	110	100	100	100	92	92	92	84	84	84	80
1	101	95	89	84	96	91	86	81	82	78	75	75	72	69	68	65	63	59
2	91	81	73	66	86	77	70	63	70	64	59	63	59	54	57	54	50	47
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10	47	33	25	20	45	32	24	19	30	23	18	27	21	17	25	20	16	14

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	400	15.4	15.2
0-40	672	25.8	25.6
0-60	1289	49.6	49.1
0-90	2080	80.0	79.2
90-180	545	20.9	20.8
0-180	2624	100.9	100.0

Typical VCP Percentages

Room Size (Ft.)	Height Along		Height Across	
	8.5'	10.0'	8.5'	10.0'
20 x 20	34	46	19	30
30 x 30	23	30	10	16
30 x 60	19	24	3	5
60 x 30	18	24	13	19
60 x 60	13	18	4	6



SNF-154T5-UNV-EBT1
Electronic Ballast
F54T5/835 Lamps
4400 Lumens
Spacing criterion:
(||) 1.3 x mounting
height, (⊥) 1.5 x
mounting height
Efficiency 94.6%
Test Report: 122P112
LER = FS-67
Yearly Cost of 1000
lumens, 3000 hrs at
.08 KWH = \$3.51

Candlepower				
Angle	Along	45°	Across ⊥	
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5	768	770	767	
10	763	772	774	
15	750	767	776	
20	728	756	776	
25	698	740	771	
30	662	721	757	
35	619	694	739	
40	570	661	725	
45	517	626	711	
50	461	593	699	
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70	216	471	631	
75	152	434	591	
80	90	386	557	
85	34	353	532	
90	1	328	507	

Coefficients of Utilization

rc	Effective floor cavity reflectance 20%																	
	80%			70%			50%			30%			10%			0%		
	rw	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	103	103	103	103	94	94	94	86	86	86	79	79	79	75
1	95	89	84	79	90	85	80	76	77	73	70	70	67	64	64	61	59	55
2	85	76	68	62	80	72	65	59	66	60	55	59	55	51	54	50	47	44
3	77	65	57	50	73	62	54	48	57	50	45	51	46	41	47	42	38	35
4	70	57	48	41	66	55	46	40	50	43	37	45	39	35	41	36	32	29
5	64	51	42	35	60	48	40	34	44	37	32	40	34	29	37	31	27	25
6	59	45	36	30	56	43	35	29	40	33	27	36	30	25	33	28	24	21
7	54	41	32	26	51	39	31	25	36	29	24	33	27	22	30	25	21	19
8	50	37	29	23	48	36	28	22	33	26	21	30	24	20	27	22	19	16
9	47	34	26	20	45	33	25	20	30	23	19	28	22	18	25	20	17	15
10	44	31	23	18	42	30	23	18	28	21	17	25	20	16	23	19	15	13

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	631	14.3	15.2
0-40	1062	24.1	25.5
0-60	2041	46.4	49.0
0-90	3304	75.1	79.4
90-180	858	19.5	20.6
0-180	4161	94.6	100.0

Typical VCP Percentages

Room Size (Ft.)	Height Along		Height Across	
	8.5'	10.0'	8.5'	10.0'
20 x 20	23	33	12	20
30 x 30	14	19	6	10
30 x 60	11	15	2	3
60 x 30	11	16	7	12
60 x 60	8	11	2	3

ORDERING INFORMATION

SAMPLE NUMBER: SNF-228T5-UNV-EBT1-U

<p>Tandem Blank=2' or 4' Length 8T=8' Length</p> <p>Series SNF=Commercial Narrow StripLite</p>	<p>Number of Lamps 1=1 Lamp 2=2 Lamp (Not Included)</p> <p>Wattage 14T5=14W T5 (24") 24T5=24W T5HO (24") 28T5=28W T5 (48") 54T5=54W T5HO (48")</p>	<p>Voltage ⁽¹⁾ 120V=120 Volt 277V=277 Volt 347V=347 Volt UNV=Universal Voltage 120-277</p> <p>Options ⁽¹⁾ GL=Single Element Fuse GM=Double Element Fuse EL5LP=Emergency Installed ^{(3),(4)} EL5HOLP=Emergency Installed for T5HO</p>	<p>Ballast Type ^{(1),(4)} EBT = T5 or T5HO Linear Electronic Program Rapid Start. Total Harmonic Distortion < 10%</p> <p>Ballast Factor/Type (For 28WT5 and 14WT5 Lamps Only) N=Normal Light Output .95 BF ⁽¹⁾ H=High Light Output 1.15 BF ^{(1),(6)} NDIM=Normal .95-1.0 BF Step Dimming ⁽⁷⁾ HDIM=High 1.15 BF Step Dimming ^{(6),(7)}</p>	<p>Options RIF1=Radio Interference Suppressor 6-3/18 SJT-C&P-515P=Cord & Plug (120V) (15 AMP) ⁽⁸⁾ 6-3/18 SJT-C&P L715P=Cord & Plug (277V) (15 AMP) ⁽⁸⁾ PI/CPI=Plug-In Option ⁽⁸⁾</p>	<p>Packaging U=Unit Pack 6B=6 Bulk Packing (96")</p>
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ACCESSORIES (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-4T5⁽²⁾=3" Asymmetric Reflector (Specify 2' or 4')
- SNF-SYM-4T5⁽²⁾=6" Symmetric Reflector (Specify 2' or 4')
- SNF-REV-4T5⁽²⁾=Reverse Asymmetric Reflector (Specify 2' or 4')
- WG/SNFT5-4FT=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.)

NOTES: ⁽¹⁾Products also available in non-US voltages and frequencies for international markets. ⁽²⁾For SilverLining reflector add SS in Catalog Number, Example: SNF-ASY-SS-4T5. ⁽³⁾Not available for 2' version. ⁽⁴⁾Maximum width clearance for ballast in channel is 2-7/32". ⁽⁵⁾Socket brackets left uninstalled. ⁽⁶⁾1-Lamp ballast in the High Ballast factor not available. 2-Lamp ballast will not operate 1-Lamp. ⁽⁷⁾Step Dimming ballast available for 28WT5 and 14WT5 lamps only.

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

SHIPPING INFORMATION

Catalog No.	Wt.
SNF-114T5	4 lbs.
SNF-124T5	5 lbs.
SNF-128T5	5 lbs.
SNF-154T5	5 lbs.
SNF-214T5	6 lbs.
SNF-224T5	6 lbs.
SNF-228T5	6 lbs.
SNF-254T5	6 lbs.
8TSNF-228T5	14 lbs.