

# COOPER LIGHTING - METALUX®

## DESCRIPTION

The SMF Series is a functional and multi-purpose heavy duty strip family, with metal clad lampholders, that incorporates premium performance and construction durability. The performance and application versatility of this series can be increased by incorporating symmetrical or asymmetrical reflectors. The SMF Series can be installed using various mounting methods and numerous options and accessories are available.

The SMF Series can be the illumination solution in commercial, industrial, retail and residential applications. Fixtures can be used in storage/utility areas, 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

### Construction

Channel die formed code gauge prime cold rolled steel. Numerous KOs for ease of installation. Deep V-Groove for tong hanger. Die formed channel connector, sleeve type, assures straight rows and continuity of ground through set screws. Metal Clad lampholder/bracket easily installed with snap-in action. Channel/wireway cover secured with quarter-turn fasteners.

### Electrical\*

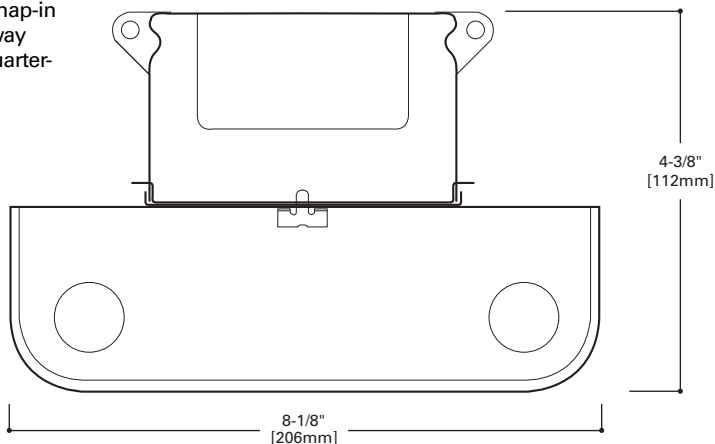
Ballasts are CBM/ETL Class "P" and are positively secured by mounting bolts. Metal Clad turret type lampholders. UL/CUL listed. Suitable for damp locations.

### Finish

Multistage, iron phosphate pretreatment ensures maximum bonding and rust inhibitor. Lighting grade, baked white enamel finish.

### Channel/Wireway Cover

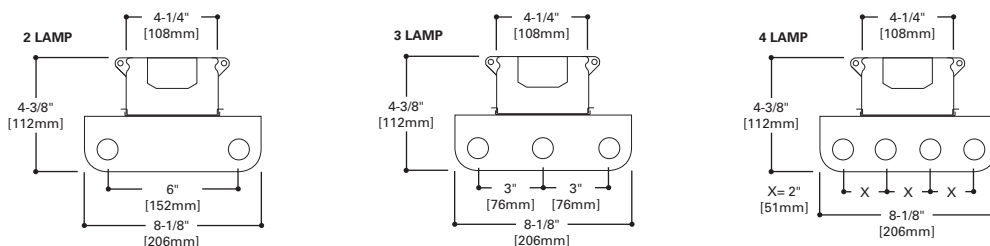
Die formed heavy gauge steel. Tight fit for ease of maintenance. Easily removed without use of tools. Optional reflector available incorporating silver technology enhancements. (SilverLining) Consult Pre Sales Technical Support.



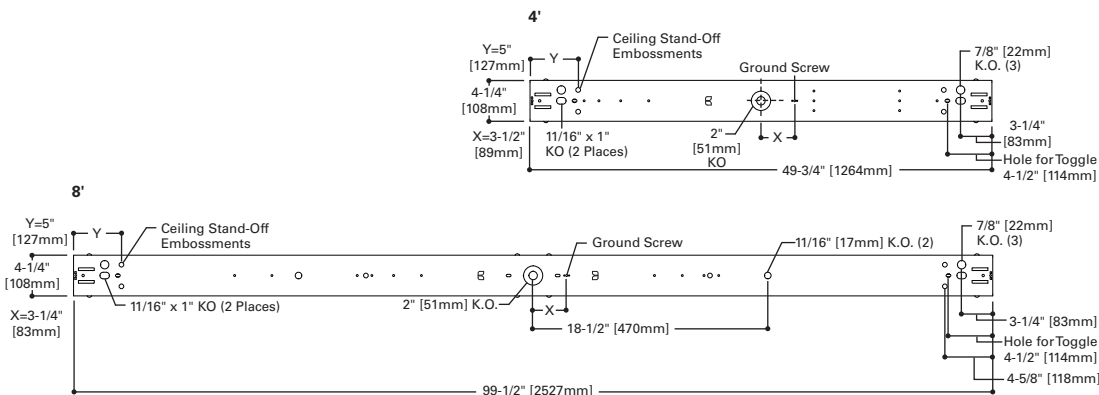
**SMF**  
232  
332  
432

4' OR 8' STRIP  
2, 3 OR 4 LAMP  
METAL CLAD LAMPHOLDER  
Heavy Duty Striplight

## LAMP CONFIGURATIONS



## MOUNTING DATA



## ENERGY DATA

Input Watts:

<b>EB Ballast &amp; STD Lamps</b>
232 (61)
332 (91)
432 (122)
<b>ES Ballast &amp; STD Lamps</b>
232 (71)
332 (108)
432 (142)

Luminaire Efficacy Rating  
**LER = FS-84**  
Catalog Number: SMF-332

Yearly Cost of 1000 lumens, 3000 hrs at .08 KWH = \$2.86

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

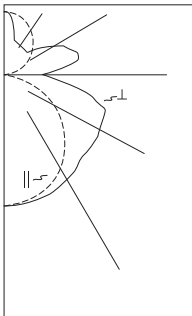
LAMPS CONTAIN MERCURY. DISPOSE ACCORDING TO LOCAL, STATE OR FEDERAL LAWS

**LINEAR DISCONNECT**

Safe and convenient means of disconnecting power.



PHOTOMETRICS



**SMF-332**  
Standard Ballast  
FO32T8/35K Lamps  
2850 Lumens

Spacing criterion:  
(ll) 1.2 x mounting height, (⊥) 1.4 x mounting height

Efficiency 96.0%

Test Report:  
SMF332.IES

LER = FS-84

Yearly Cost of 1000 lumens, 3000 hrs at .08 KWH = \$2.86

**Coefficients of Utilization**

rc	Effective floor cavity reflectance																																																																																																																																																																																																																
	80%						70%						50%						30%						10%						0%																																																																																																																																																																																		
	rw	70	50	30	10	0	70	50	30	10	0	70	50	30	10	0	70	50	30	10	0	70	50	30	10	0	70	50	30	10	0																																																																																																																																																																																		
<b>RCR</b>	0	107	107	107	107	101	101	101	101	90	90	90	80	80	80	70	70	70	66	1	96	91	86	82	90	86	82	78	76	73	70	67	65	63	59	57	56	52	2	86	78	71	65	81	74	67	62	65	60	56	58	54	50	51	48	45	41	3	78	68	60	53	73	64	57	51	57	51	46	50	46	42	44	41	37	34	4	71	60	51	45	67	56	49	43	50	44	39	44	39	35	39	35	32	28	5	65	52	44	37	61	49	42	36	44	37	32	39	34	29	34	30	26	24	6	60	47	38	32	56	44	36	30	39	33	28	35	29	25	31	26	23	20	7	55	42	33	27	51	39	32	26	35	29	24	31	26	22	28	23	20	17	8	50	37	29	24	47	35	28	23	32	25	21	28	23	19	25	20	17	15	9	47	34	26	20	44	32	24	19	28	22	18	25	20	16	22	18	15	12	10	43	31	23	18	41	29	22	17	26	20	16	23	18	14	20	16	13	11

**Zonal Lumen Summary**

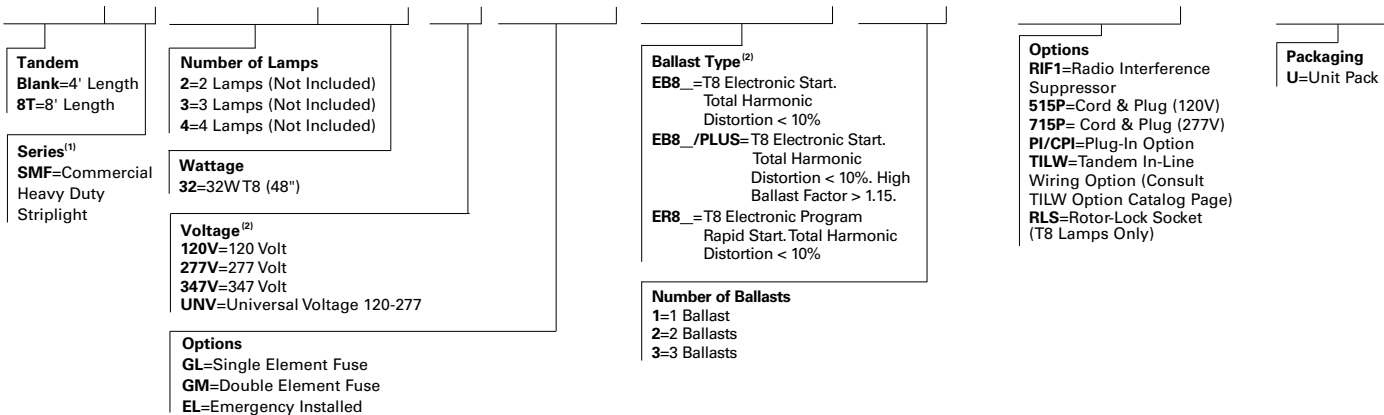
Zone	Lumens	%Lamp	%Fixture
0-30	1139	13.3	13.9
0-40	1904	22.3	23.2
0-60	3620	42.3	44.1
0-90	5623	65.8	68.5
90-180	2583	30.2	31.5
0-180	8206	96.0	100.0

**Candela**

Angle	Along ll	45°	Across ⊥
0	1423	1423	1423
10	1396	1416	1421
20	1317	1363	1387
30	1192	1276	1341
40	1025	1167	1271
50	819	1026	1236
60	588	919	1213
70	348	827	1182
80	123	642	821
90	2	257	396
100	54	542	778
110	160	481	804
120	278	341	652
130	391	295	447
140	495	327	366
150	583	361	374
160	649	458	388
170	689	646	574
180	704	704	704

ORDERING INFORMATION

SAMPLE NUMBER: SMF-232-120V-EB81-U



NOTES: <sup>(1)</sup>For SilverLining reflector add SS in Catalog Number, Example: STM-SS-SYM-6. <sup>(2)</sup>Products also available in non-US voltages and frequencies for international markets.

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

SHIPPING INFORMATION

Catalog No.	Wt.
SMF-232	15 lbs.
8TSMF-232	30 lbs.
SMF-332	20 lbs.
8TSMF-332	40 lbs.
SMF-432	23 lbs.
8TSMF-432	40 lbs.