

Alphalite

PROJECT NAME

CATALOG NO.

TYPE

DATE

NOTE

General Purpose Fluorescent Strip

SS

DESCRIPTION

The SS Series is a functional and multi-purpose standard strip family that incorporates premium performance and construction durability. Designed with our high quality sockets, the SS significantly reduces installation time. The performance and application versatility of this series can be increased by incorporating symmetrical or asymmetrical reflectors. The SS Series can be installed using various mounting methods and numerous options and accessories are available.

The SS 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.

SPECIFICATION FEATURES

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.

Electrical

Ballasts are 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.

Channel / Wireway Cover

Die formed heavy gauge steel. Tight fit for ease of maintenance. Easily removed without use of tools.

SS

Fluorescent Standard Strip

SS4: 4 ft. SS8: 8 ft.
132, 232 232, 432

Quick Ship Product

ORDERING INFORMATION

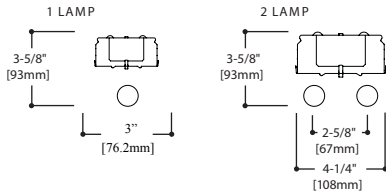
Sample Number: **SS4-232-UNV-ISN**

SS	4	2	32	UNV	IS	N	
Series	Fixture Nominal Length	# of Lamps	Individual Lamp Wattage	Voltage	Ballast Starting Method	Ballast Factor	Ballast Options
SS =		1 = 1 Lamp		UNV = 120-277V		N = Normal	AB = Dual Relay
Commercial	2 = 2 ft. (24")	2 = 2 Lamps	17 = 17W T8 (24")	347V = 347V	IS = Instant Start	L = Low	10V = 0 - 10V
Standard Strip	3 = 3 ft. (36")	4 = 4 Tandem Lamps	25 = 25W T8 (36")	480V = 480V	PS = Programmed Start	H = High	Continuous-Dimming
	4 = 4 ft. (48")		32 = 32W T8 (48")				
	8 = 8 ft. (96")						

Accessories (order separately)

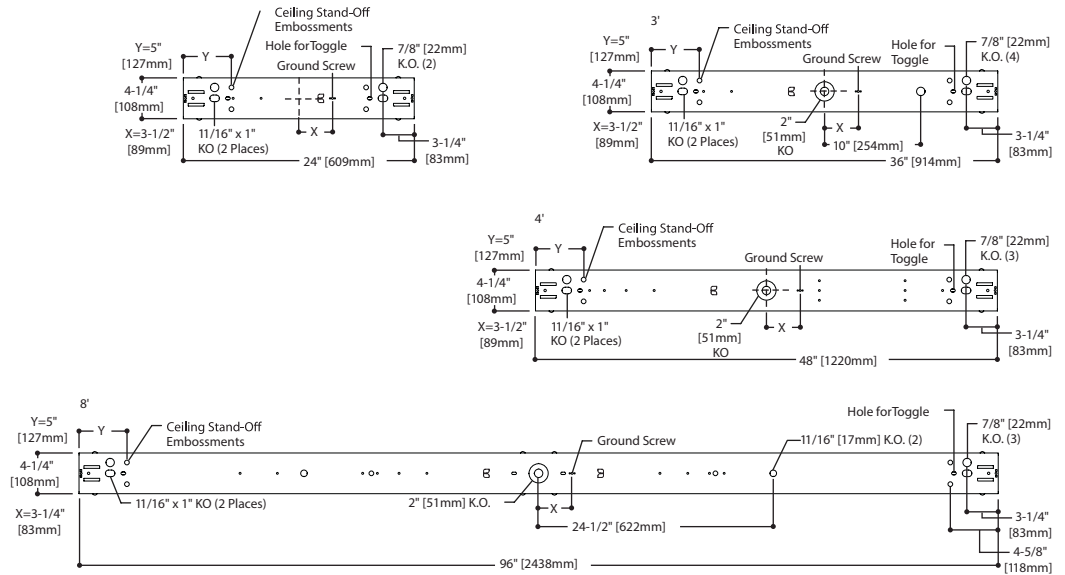
WG/SS2 = 2' Wire Guard
WG/SS3 = 3' Wire Guard
WG/SS4 = 4' Wire Guard
WG/SS8 = 8' Wire Guard

LAMP CONFIGURATION



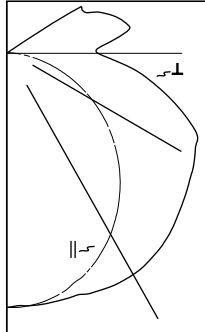
1, 2, OR 4 T8 LAMPS
Standard Strip

MOUNTING DATA



PHOTOMETRICS

SS4-332



Electronic Ballast
F32T8/ES - 28W Lamps

Spacing Criterion:
(H) 1.3 x mounting height, (L) 1.5
x mounting height

Efficiency 86.2%

Candlepower

Angle	Along H	45°	Across
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

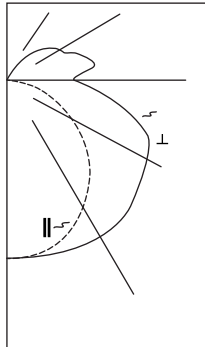
Coefficients of Utilization

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	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

SS4-332



Electronic Ballast
F32T8 - 32W Lamps

Spacing Criterion:
(H) 1.3 x mounting height, (L)
1.6 x mounting height
Efficiency %

Candlepower

Angle	Along H	45°	Across ?
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

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	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