

CATALOG NUMBER	
PROJECT NAME	TYPE
VOLTAGE	LAMPS



104 & 108 SERIES

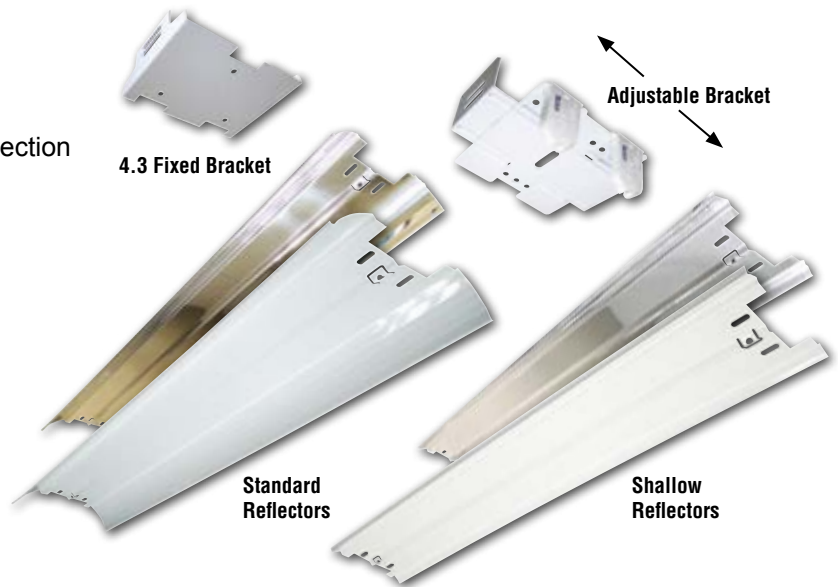
STRIP RETROFIT KITS

SPECIFICATIONS

- 1' x 4' & 1' x 8' Retrofit Kit
- Enhance Light Levels and Quality
- Multiple Reflector Options
 - 95% Enhanced Aluminum
 - 91% White Aluminum
- 4.3 Fixed Bracket Used For 1-3 Lamp Cross Section Only
- Multiple Lamp and Ballast Options
 - T5, T5HO or T8
 - Super T8 High Efficiency
- Tool-Less Ballast Access
- Suitable For Master Satellite Applications

STANDARD KIT INCLUDES

- 104 Reflector(s) Made from Specified Material
- 1000 Series Adjustable Brackets
- Quarter Turns
- Tek Screws
- Specified Sockets



ORDERING GUIDE:

1042 - E - CS - TL3 - T8/N

SERIES	REFLECTOR	BRACKET	LAMP HOLDERS	OPTIONS
<input type="checkbox"/> 1041 - 4ft - 1 Lamp <input type="checkbox"/> 1042 - 4ft - 2 Lamp <input type="checkbox"/> 1043 - 4ft - 3 Lamp (4.3 Kit Only) <input type="checkbox"/> 1082 - 8ft - 2 Lamp <input type="checkbox"/> 1084 - 8ft - 4 Lamp <input type="checkbox"/> 1086 - 8ft - 6 Lamp (4.3 Kit Only)	<input type="checkbox"/> E - 95% Enhanced <input type="checkbox"/> ES - 95% Enhanced Shallow <input type="checkbox"/> W - 91% White <input type="checkbox"/> WS - 91% White Shallow	<input type="checkbox"/> CS - Adjustable Bracket (4 in. to 5.5 in.)* <input type="checkbox"/> 4.3 - Fixed Bracket (4.3 in.)	<input type="checkbox"/> TL3 - Tall Shunted Twist-Lock T8 (used with Instant Start Ballast) <input type="checkbox"/> TL4 - Tall Unshunted Twist-Lock T8 (used with Program Start Ballast) <input type="checkbox"/> TL5 - Standard Twist-Lock T5 (All 4.3 Kits) <input type="checkbox"/> TL10 - T8 to T5 Conversion Holder (All CS kits)	<input type="checkbox"/> T5/H - T5HO Ballast <input type="checkbox"/> T5/N - F28T5 NPF Ballast <input type="checkbox"/> T8/L - T8 LPF Ballast <input type="checkbox"/> T8/N - T8 NPF Ballast <input type="checkbox"/> T8/PSN - T8 NPF Program Start Ballast <input type="checkbox"/> T8/H - T8 HPF Ballast <input type="checkbox"/> T8/PSH - T8 HPF Program Start Ballast <input type="checkbox"/> PW - Pre-wired Ballasts to Sockets

*CS Bracket Only Holds Up To (2) Lamps Per 4FT Cross Section



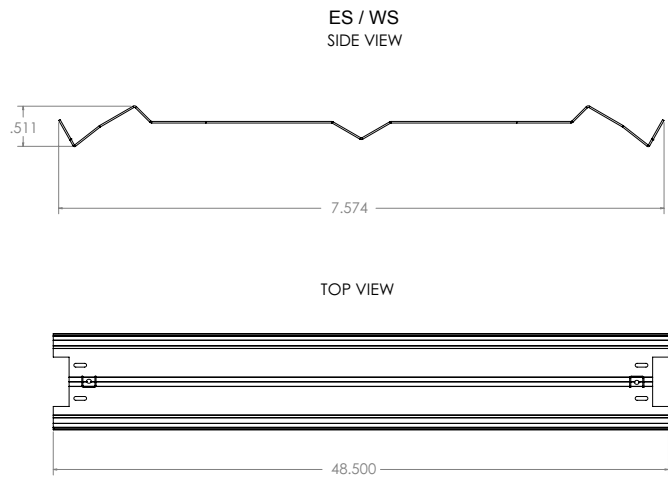
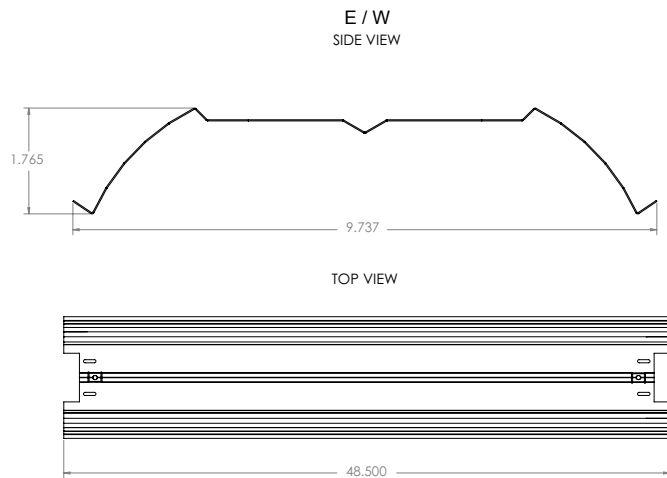
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104 & 108 SERIES

STRIP RETROFIT KITS

INSTALLATION

- Adjustable bracket for strip sizes 4" - 5.25"
- Tek screw slots for easy bracket centering
- Quarter turns in reflector for easy installation
- Rounded edge brackets for installation safety



1042-E-T5

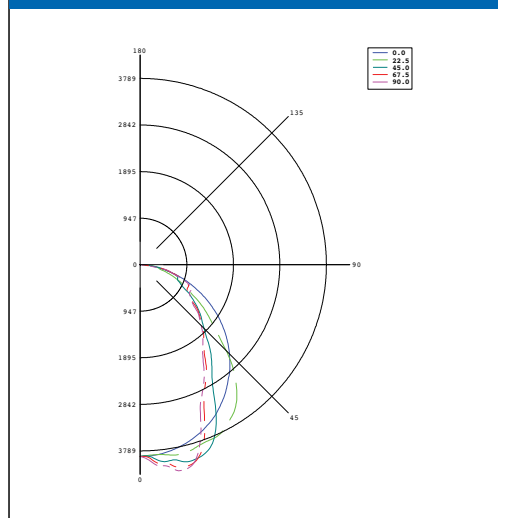
Luminaire Properties

Number of Lamps: 2
 Lumens Per Lamp: 5000
 Input Watts: 108
 Distribution: Direct
 Symmetry: Quadrilateral
 Photometric Type: Type C
 Luminous Shape: Rectangle
 Units: Feet
 Luminous Dimensions:
 0-180 Axis: 4.0
 90-270 Axis: 0.77
 Height: 0.00

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0-30	3095	31	32
0-40	4796	48	50
0-60	7707	77	81
0-90	9539	95	100
90-120	3	0	0
90-150	3	0	0
90-180	3	0	0
0-180	9541	95	100

Candela Plot



Coefficients of Utilization

pfc=	0.20																
	0.80		0.50		0.30		0.10		0.70		0.50		0.30		0.10		
pcc->	0.70	0.50	0.30	0.10	0.70	0.50	0.30	0.10	0.50	0.30	0.10	0.50	0.30	0.10	0.00	0.00	
RCR	0	1	2	3	4	5	6	7	8	9	10	0	1	2	3	4	
0	113	113	113	113	111	111	111	111	106	106	106	101	101	101	97	97	97
1	104	100	96	93	102	98	94	91	94	91	88	90	88	86	82	82	82
2	95	88	82	76	93	86	80	75	83	78	74	79	75	72	69	69	69
3	87	78	70	64	85	76	69	64	73	67	63	71	66	61	59	59	59
4	80	69	61	55	78	68	60	55	66	59	54	63	58	53	51	51	51
5	74	62	54	48	72	61	53	48	59	52	47	57	51	47	44	44	44
6	69	56	48	42	67	56	48	42	54	47	42	52	46	41	39	39	39
7	64	51	43	38	62	51	43	38	49	42	37	48	42	37	35	35	35
8	60	47	39	34	58	47	39	34	45	39	34	44	38	33	32	32	32
9	56	44	36	31	55	43	36	31	42	35	31	41	35	30	29	29	29
10	53	40	33	28	51	40	33	28	39	32	28	38	32	28	26	26	26