

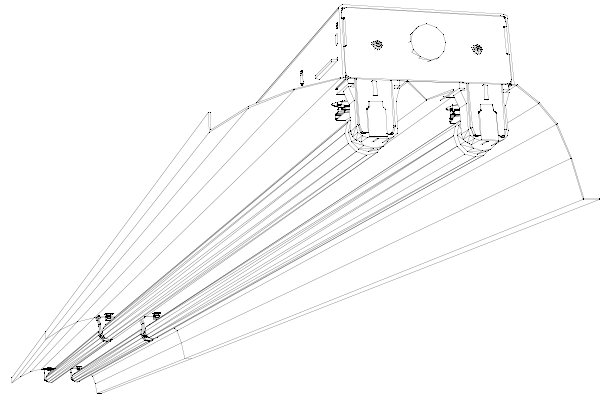
Features

Non-symmetrical design washes adjacent wall with light

Superior Light Quality, 90.9% Photometric Efficiency (with Enhanced Aluminum)

Snap-in end and center brackets

Computer designed specular reflectors



Technical Data

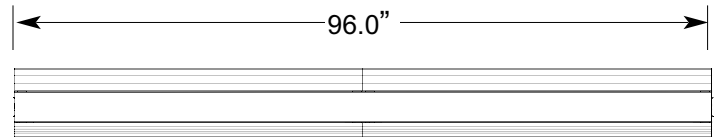
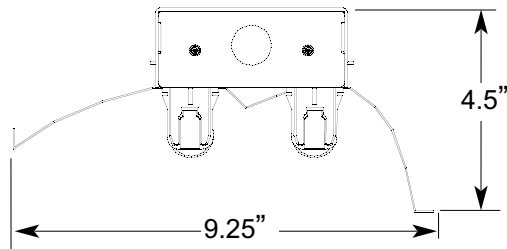
Brackets/Endplates: 20ga. (0.032") pre-painted die formed steel with sufficient knockouts for mounting and supply.

Finish: All cold rolled steel parts are painted with a smooth, glossy, highly reflective white paint.

Reflector: Can be ordered with a 95% specular, a 85% specular, or a 92% diffuse white enamel. Substrate is 0.020" high quality aluminum. The reflector profile is optimized using computer analysis and manufactured using state of the art CNC equipment. A protective premask is applied to all reflective surfaces prior to manufacture.

Construction: The solid 0.032" steel body provides added rigidity. The brackets and endplates securely snap into place. The reflectors are attached to the fixture body with quarter-turn fasteners! No tools are required for reflector installation / removal.

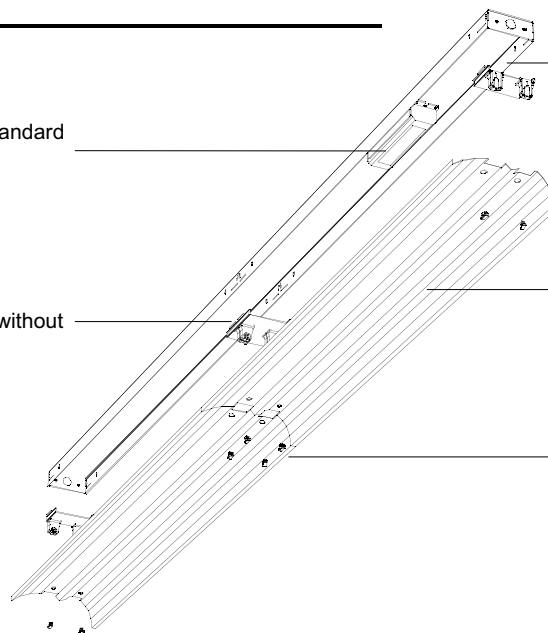
Installation



Highlights

Electronic ballasts available in both standard and high output versions

Snap-in brackets are easily removed without tools



Die formed, 0.032" steel channel has a high gloss white finish

Computer designed, CNC formed 0.020" specular aluminum reflector

Quarter-turn fasteners attach the reflectors, no tools are necessary for reflector removal / installation

Photometrics

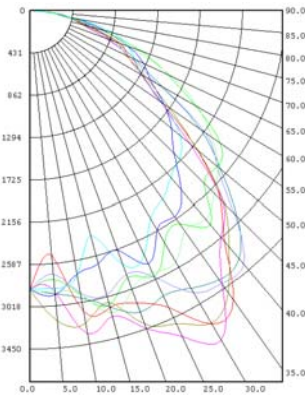


Energy Solutions
Premium Lighting without the Premium Price

Energy Solutions International, Inc.
141 State Street
Saint Paul, MN 55107

ENERGY SOLUTIONS 1 X 8 FLUORESCENT LUMINAIRE
WITH SPECULAR REFLECTORS AND NO LENS
FOUR T8 LINEAR FLUORESCENT 32 WATT LAMPS, LUMEN RATING 2950 LMS.
ONE GE B432I277RHSC BALLAST OPERATING AT 120 VAC AND 118 WATTS

CANDLEPOWER SUMMARY



	0.00	22.50	45.00	67.50	90.00	112.50	135.00	157.50	180.00
0.00	2841	2841	2841	2841	2841	2841	2841	2841	2841
5.00	2908	2749	2897	2504	2870	3171	2695	2881	2839
10.00	2727	2934	2972	3107	3142	3236	2917	2993	2740
15.00	2469	3107	3124	3131	3224	3078	2998	3191	2373
20.00	2600	2891	3267	3171	3447	3399	2856	3023	2756
25.00	2845	2982	3205	3244	3665	3520	3000	2946	2736
30.00	2574	2728	3264	3686	3881	3679	3221	2954	2444
35.00	2559	2651	3349	3602	3407	3507	3396	2742	2342
40.00	2383	2847	3301	3072	3017	3142	3372	2776	2216
45.00	2063	2502	2976	2737	2771	2791	2924	2644	2137
50.00	1870	2481	2535	2228	2111	2234	2480	2491	1988
55.00	1650	2358	2114	1632	1600	1719	2174	2258	1632
60.00	1407	1942	1553	1311	1305	1356	1491	1971	1293
65.00	1269	1536	1180	1087	1130	1070	1135	1578	1175
70.00	1054	1190	910	972	810	913	843	1086	1052
75.00	770	731	621	615	561	556	673	745	873
80.00	485	424	373	388	381	420	360	410	495
85.00	131	205	194	200	180	227	199	201	138
90.00	53.4	65.9	66.7	33.8	53.6	36.7	40.6	46.4	5.66

ZONAL LUMENS AND PERCENTAGES

Zone	Lumens	%Lamp	%Fixt
0- 30	2618	22.6	24.8
0- 40	4578	39.5	43.4
0- 60	8356	72.0	79.2
0- 90	10533	90.8	99.9
90-120	13	0.1	0.1
90-130	13	0.1	0.1
90-150	13	0.1	0.1
90-180	13	0.1	0.1
0-180	10545	90.9	100.0

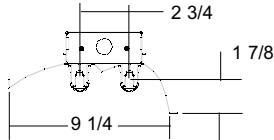
** EFFICIENCY = 90.9% **

PAINT REFLECTANCE = 0.78 S/MH = 1.63
SC (ALONG) = 1.38 SC (ACROSS) = 1.63

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ST. PAUL, MN

LUMINANCE SUMMARY - CD./SQ.M.

	0	45	90
0	4952.20	4952.20	4952.20
45	4941.65	5930.28	5230.91
50	4898.61	5359.63	4196.24
55	4812.90	4800.45	3384.79
60	4667.42	3838.93	2975.19
65	4924.24	3225.88	2814.65
70	4970.18	2807.82	2244.40
75	4673.81	2219.70	1764.28
80	4187.45	1595.78	1400.17
85	1965.02	1046.21	801.46



Ordering Information

Part Number = Fixture Size + Reflector Material + # Lamps + Lamp Wattage + Voltage + Ballast Type

(Example F-18SHEA432277N = 1'x8' Wall Wash Strip with an enhanced aluminum reflector, 4-32W lamps, 277 volts, and a standard power ballast)

Size	Reflector	# Lamps	Lamp Watts	Voltage	Ballast
F-14SH - 1' x 4'	EA - Enhanced Alum	2	32	120	N - Normal
F-18SH - 1' x 8'	AA - Anodized Alum	4	54	277	H - High Ballast Factor
	WR - White Enamel			UNV	L - Low Ballast Factor