

Features

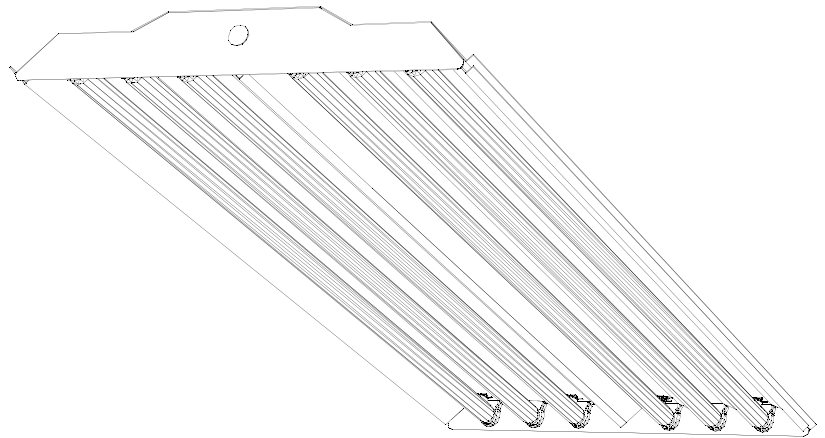
A Breakthrough Alternative to HID High-Bay Systems

Superior Light Quality, 92.1% Photometric Efficiency

Available in T5 and T8 configurations

2-level dimming capabilities

224 Watts (6-32W with high-lumen ballasts)



Technical Data

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

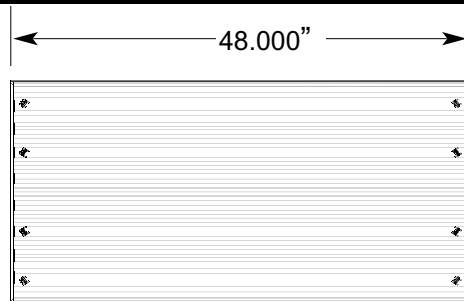
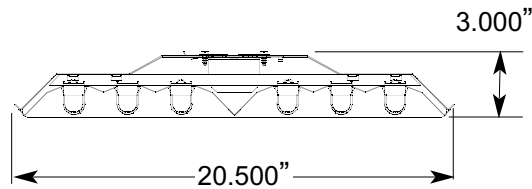
Finish: All cold rolled steel parts are painted with a smooth, glossy, highly reflective white paint.

Reflector: Can be ordered with a 95% specular, a 85% specular, or a 92% diffuse white enamel. (For maximum performance, 95% specular is recommended.) 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 eight-bend body provides added rigidity. The socket bars and end-plates securely snap into place. The reflectors are attached to the fixture body with a quarter-turn fasteners. No tools or additional fasteners are required for reflector installation and removal.

Mounting: Fixture is designed for pendant mount and suspended applications

Installation

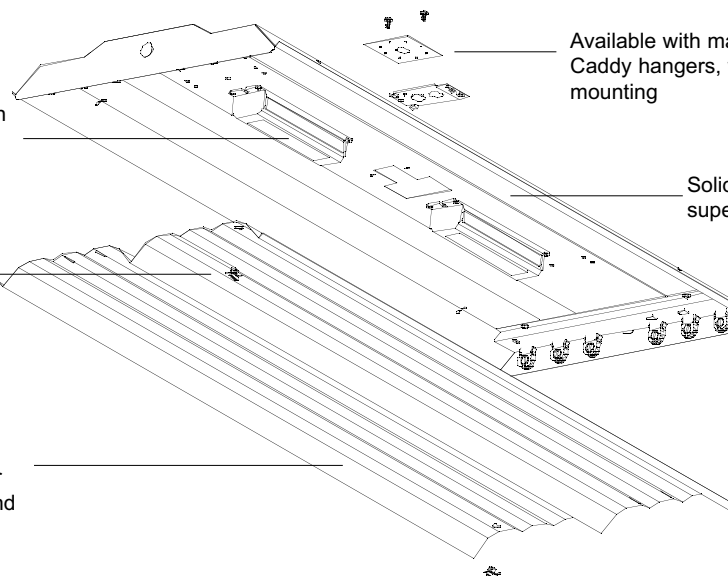


Highlights

Electronic ballasts available in both standard and high lumen versions

Tool-free quarter-turn reflector attachment

Computer designed, CNC formed 0.020" specular aluminum reflector available with standard, spread, and focused distributions.



Available with many hanging options including: Caddy hangers, wire suspension, and pendant mounting

Solid, 0.032" steel body provides superior rigidity and durability

Quality, cam-lock lampholders

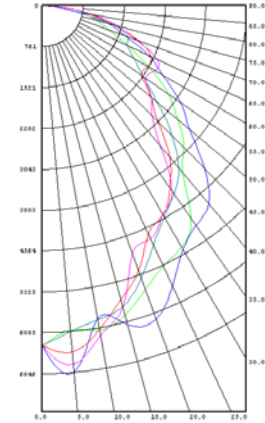
Photometrics



Energy Solutions
Premium Lighting without the Premium Price

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

ENERGY SOLUTIONS 2 X 4 FLUORESCENT LUMINAIRE
WITH WHITE INTERIOR, SPECULAR REFLECTOR AND NO LENS
SIX T8 LINEAR FLUORESCENT 32 WATT LAMPS, LUMEN RATING 3000 LMS.
TWO SYLVANIA QT3X32/277/PLUS BALLAST OPERATING AT 277 VAC AND 224 WATTS

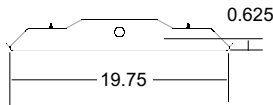


	0.00	22.50	45.00	67.50	90.00
0.00	6323	6323	6323	6323	6323
5.00	6846	6060	6084	6462	6702
10.00	5912	6134	5936	6125	6229
15.00	6145	5957	5798	5657	5798
20.00	6197	5614	5387	5239	4907
25.00	5749	5341	4895	4671	4784
30.00	5251	5195	4535	4490	4478
35.00	4999	4822	4279	4136	4222
40.00	4820	4080	3952	3702	3413
45.00	4271	3730	3415	3032	2877
50.00	3591	3300	2786	2622	2637
55.00	3146	2863	2279	2260	2344
60.00	2581	2287	1969	2256	2419
65.00	2160	1737	1743	2224	2343
70.00	1626	1314	1688	1898	1855
75.00	1254	1027	1375	1354	1409
80.00	560	764	866	866	889
85.00	204	405	385	335	409
90.00	49.3	83.1	62.3	31.7	38.9

ZONAL LUMENS AND PERCENTAGES

Zone	Lumens	%Lamp	%Fixt
0- 30	4566	26.2	28.5
0- 40	7328	42.1	45.7
0- 60	12285	70.6	76.6
0- 90	15988	91.9	99.7
90-120	40	0.2	0.2
90-130	40	0.2	0.3
90-150	40	0.2	0.3
90-180	40	0.2	0.3
0-180	16029	92.1	100.0

** EFFICIENCY = 92.1% **



LUMINANCE SUMMARY - CD./SQ.M.

	0	45	90
0	10171.35	10171.35	10171.35
45	9053.05	6608.16	5570.17
50	8266.39	5766.87	5459.57
55	7986.54	5111.19	5258.25
60	7369.79	4858.40	5970.97
65	7107.12	4819.17	6484.17
70	6366.23	5355.40	5892.70
75	6122.97	5162.23	5299.14
80	3663.96	4020.15	4133.57
85	2051.00	2345.70	2538.08

PAINT REFLECTANCE = 0.78 S/MH = 1.06
SC (ALONG) = 1.24 SC (ACROSS) = 1.06

PREPARED IN PHOTOPIA FOR
ENERGY SOLUTIONS,
ST PAUL, MN

Ordering Information

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

(Example F-24NBEA632277H-W = 2'x4' Narrow Bay with an enhanced refl., 6-32W lamps, 277V, high power ballast, and wide spread distribution)

Size	Reflector	# Lamps	Lamp Watts	Voltage	Ballast
F-24NB - 2' x 4'	EA - Enhanced Alum	4	32	120	N - Normal
	AA - Anodized Alum	6	54	277	H - High Ballast Factor
	WR - White Enamel	8		UNV	L - Low Ballast Factor
				480	