

Features

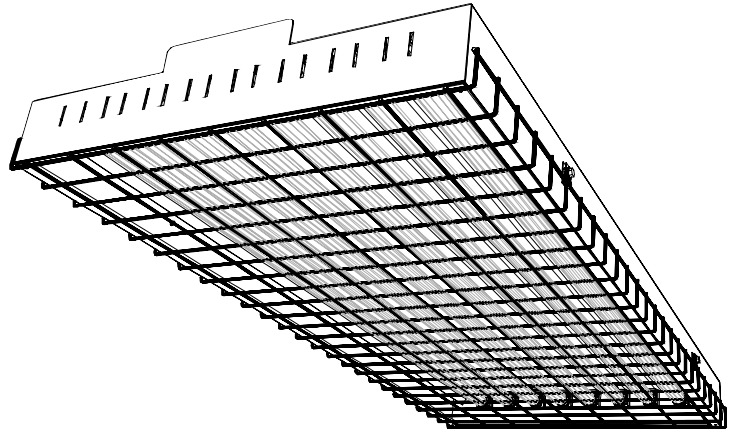
A Breakthrough Alternative to HID High-Bay Systems

Superior Light Quality, Maximum Photometric Efficiency

Available in T8 and T5 lamp configurations

Guard secured with four 1/4"-20 Bolts

Robust construction for high abuse environments



Technical Data

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

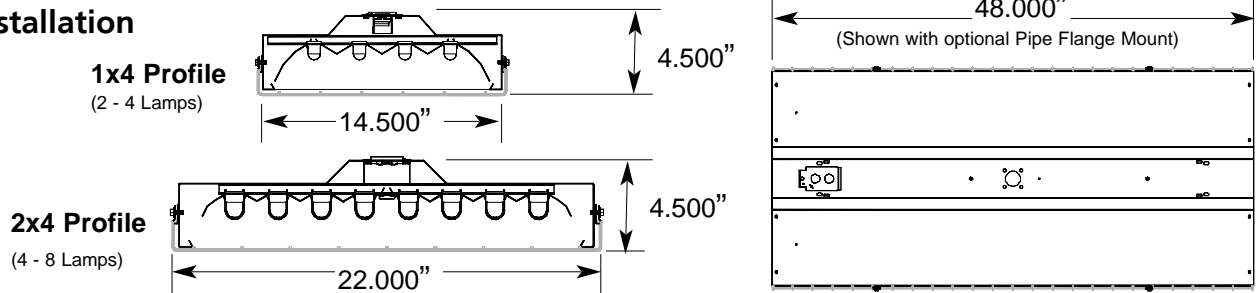
Finish: All cold rolled steel parts are painted with a smooth, glossy, highly reflective white paint.

Reflector: Can be ordered with a 95% specular, a 85% specular, or a 92% diffuse white enamel. 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 body provides added rigidity. The socket bars are securely bolted to the fixture body. The reflector attaches with quarter-turn fasteners. No tools are required for reflector installation and removal.

Mounting: Fixture is designed for surface, pendant mount, or suspended applications

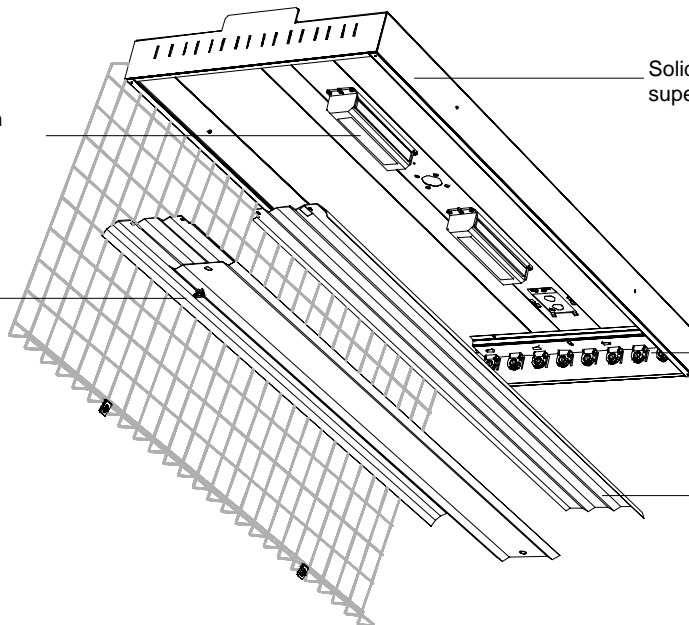
Installation



Highlights

Electronic ballasts available in both standard and high lumen versions

Tool-free quarter-turn reflector attachment



Solid, 0.032" steel body provides superior rigidity and durability

Quality, cam-lock lampholders

Three piece, computer designed, CNC formed 0.020" aluminum reflector

Photometrics



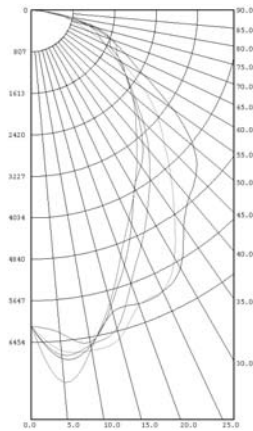
Energy Solutions
Premium Lighting without the Premium Price

Energy Solutions International, Inc.
1385 Mendota Heights Road
Saint Paul, MN 55120

ENERGY SOLUTIONS 2 X 4 FLUORESCENT LUMINAIRE
WITH WHITE INTERIOR, SPECULAR REFLECTOR AND WIRE GUARD

SIX T8 LINEAR FLUORESCENT 32 WATT LAMPS, LUMEN RATING 2900 LMS, TWO SYLVANIA QT332PLUS
BALLASTS OPERATING AT 277 VAC AND 226 WATTS

CANDLEPOWER SUMMARY



	0.00	22.50	45.00	67.50	90.00
0.00	6148	6148	6148	6148	6148
5.00	6799	6634	6732	6291	7261
10.00	6610	6713	6607	6551	6678
15.00	6075	6601	6398	5948	5879
20.00	6073	6097	5629	5266	5064
25.00	6036	6020	5034	4581	4465
30.00	5781	5550	4480	3978	3993
35.00	5159	4837	3992	3692	3558
40.00	4756	4217	3533	3247	3152
45.00	4522	3650	3051	2925	2847
50.00	4100	3189	2597	2536	2533
55.00	3360	2626	2247	2232	2244
60.00	2502	2029	1901	2012	1970
65.00	2011	1659	1555	1694	1817
70.00	1614	1171	1370	1614	1678
75.00	1136	812	1138	1285	1244
80.00	472	570	734	675	720
85.00	169	241	226	186	158
90.00	10.4	7.43	4.71	5.66	4.60

ZONAL LUMENS AND PERCENTAGES

Zone	Lumens	%Lamp	%Fixt
0- 30	4760	27.4	31.1
0- 40	7404	42.6	48.3
0- 60	12187	70.0	79.5
0- 90	15319	88.0	100.0
90-120	3	0.0	0.0
90-130	3	0.0	0.0
90-150	3	0.0	0.0
90-180	3	0.0	0.0
0-180	15322	88.1	100.0

** EFFICIENCY = 88.1% **

LUMINANCE SUMMARY - CD./SQ.M.

	0	45	90
0	9233.42	9233.42	9233.42
45	8812.94	5374.30	5035.30
50	8452.27	4873.55	4775.06
55	7796.29	4548.02	4565.18
60	6502.41	4209.72	4389.50
65	5990.61	3835.65	4512.97
70	5681.26	3843.53	4747.67
75	4937.33	3736.17	4125.16
80	2701.55	2930.63	2930.16
85	1432.69	1162.24	827.29

PAINT REFLECTANCE = 0.78 S/MH = 1.00
SC (ALONG) = 1.33 SC (ACROSS) = 1.00

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-24HGEA632277H-WG = 2'x4' HG Series High Bay with an 95% alum. reflector, 6-32W lamps, 277V HP ballasts, and wire guard)

Size	Reflector	# Lamps	Lamp Watts	Voltage	Options
F-14HG - 1' x 4'	EA - 95% Enhanced Alum	2 - 8	32	120	N - Normal
F-24HG - 2' x 4'	AA - 85% Anodized Alum		54	277	H - High Ballast Factor
	WR - 92% White Enamel			UNV	L - Low Ballast Factor
					WG - Wire Guard
					CL - Clear Lexan Lens