

Features

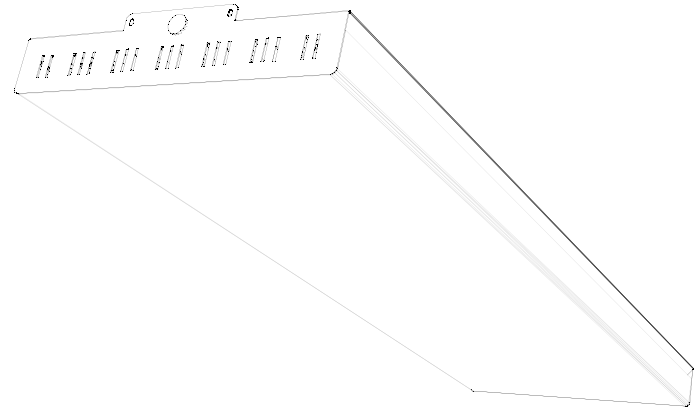
A Breakthrough Alternative to HID High-Bay Systems (shown with optional prismatic lens)

Superior Light Quality, Maximum Photometric Efficiency

Available in T8 and T5 lamp configurations

Sleek, modern styling

226W (6-32W HP), 174W (6-32W Normal)



Technical Data

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

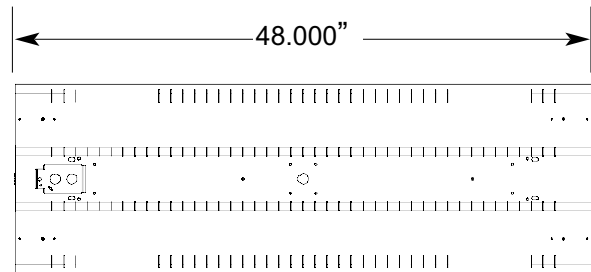
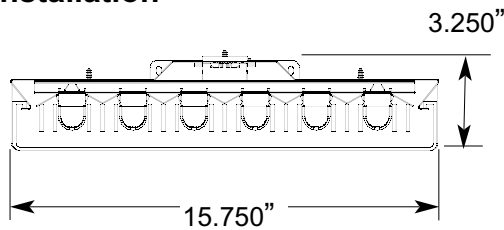
Finish: All cold rolled steel parts are painted with a smooth, glossy, highly reflective white paint.

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



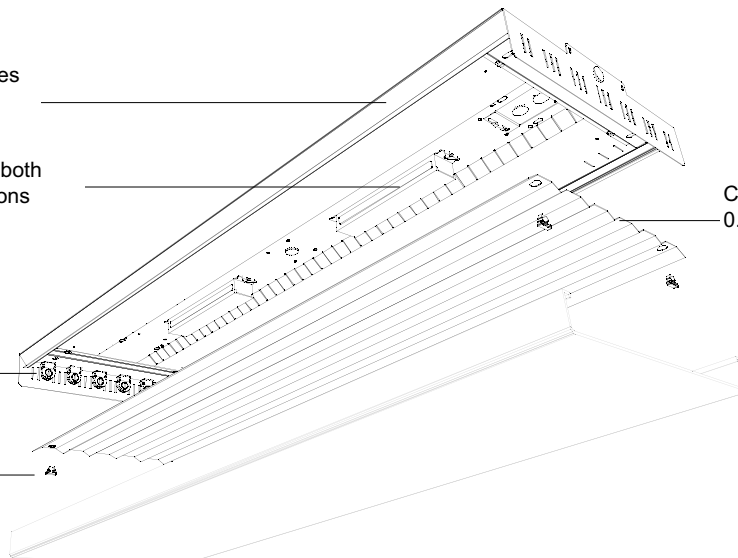
Highlights

Solid, 0.032" steel body provides superior rigidity and durability

Electronic ballasts available in both standard and high lumen versions

Quality, cam-lock lampholders

Tool-free quarter-turn reflector attachment



Computer designed, CNC formed 0.020" aluminum reflector

Photometrics



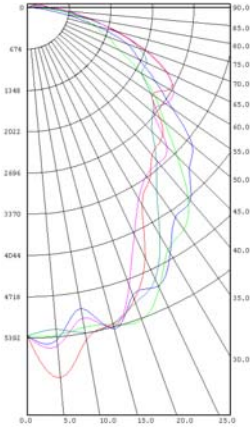
Energy Solutions
Premium Lighting without the Premium Price

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 2900 LMS. TWO SYLVANIA QT332PLUS
BALLASTS OPERATING AT 277 VAC AND 226 WATTS

CANDLEPOWER SUMMARY

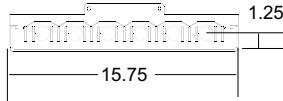


	0.00	22.50	45.00	67.50	90.00
0.00	5354	5354	5354	5354	5354
5.00	5443	5367	5266	6066	5546
10.00	4970	5294	5389	5497	5139
15.00	5430	5355	5335	5348	5390
20.00	4988	5416	5122	5062	4801
25.00	5014	5053	4893	4497	4082
30.00	4629	4566	4291	3704	3597
35.00	4180	4418	3654	3431	3343
40.00	4101	4053	3257	3129	3303
45.00	3712	3435	2847	3060	3198
50.00	3491	2913	2647	2810	2670
55.00	2874	2520	2435	2462	2732
60.00	2395	2096	2135	2656	2736
65.00	1989	1651	2124	2501	2483
70.00	1705	1373	1912	2039	2003
75.00	1155	1105	1488	1493	1467
80.00	614	865	948	1010	1027
85.00	253	486	562	644	662
90.00	80.0	190	276	353	392

ZONAL LUMENS AND PERCENTAGES

Zone	Lumens	%Lamp	%Fixt
0- 30	4173	24.0	26.3
0- 40	6572	37.8	41.5
0- 60	11354	65.3	71.6
0- 90	15475	88.9	97.6
90-120	372	2.1	2.3
90-130	379	2.2	2.4
90-150	379	2.2	2.4
90-180	379	2.2	2.4
0-180	15854	91.1	100.0

** EFFICIENCY = 91.1% **



LUMINANCE SUMMARY - CD./SQ.M.

0	12460.56	12460.56	12460.56
45	11747.89	8323.76	9249.55
50	12066.80	8334.84	8300.28
55	11033.01	8374.62	9260.22
60	10428.89	8156.87	10276.30
65	10089.76	9209.74	10548.58
70	10457.12	9667.08	9880.59
75	9036.57	9101.72	8703.79
80	6705.48	7411.37	7717.33
85	4643.72	6148.32	6855.00

PAINT REFLECTANCE = 0.78 S/MH = 1.04
SC (ALONG) = 1.26 SC (ACROSS) = 1.04
PREPARED IN PHOTOFIX FOR
ENERGY SOLUTIONS
ST. PAUL, MN

Ordering Information

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

(Example F-24HLEA632277H-PR = 2'x4' HL Series High Bay with an 95% aluminum reflector, 6-32w lamps, 277V HP ballasts, and prismatic lens)

Size F-24HL - 2' x 4'	Reflector EA - 95% Enhanced Alum AA - 85% Anodized Alum WR - 92% White Enamel	# Lamps 3 4 5 6	Lamp Watts 32 54	Voltage 120 277 UNV 480	Options N - Normal H - High Ballast Factor L - Low Ballast Factor U - Uplight Notching PR - Prismatic Lens
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