

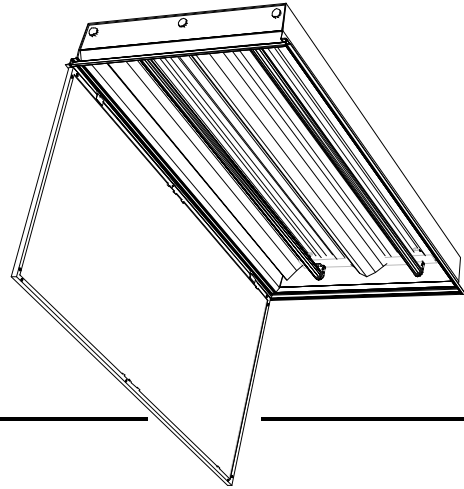
Features

Computer designed for optimal performance

Provides uniform light distribution

Minimizes lens streaking

Tool-free reflector installation and removal



Technical Data

Housing: 20ga. (0.036") pre-painted die formed with sufficient knockouts for mounting and electrical supply.

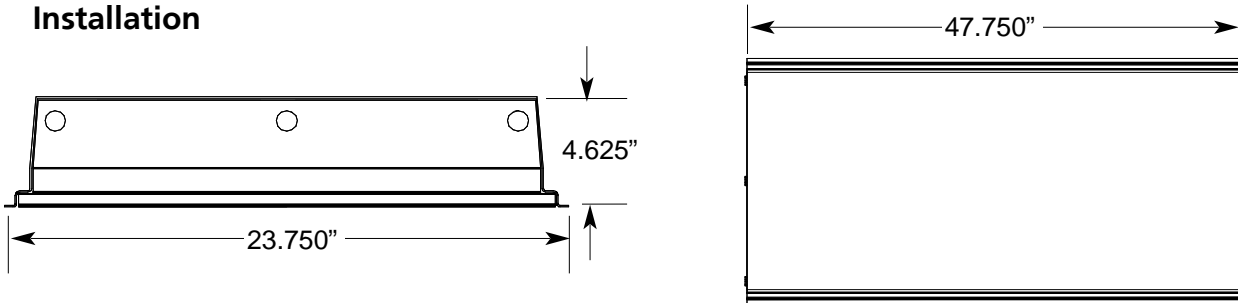
Finish: All cold rolled steel parts are painted with a smooth, glossy, highly reflective white paint.

Lens: A-12 prismatic patterned virgin acrylic

Reflector: The reflector can be ordered with an 85% reflective anodized finish, a 95% reflective enhanced or film finish, or a 92% reflective white enamel. The 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 fixture body is die formed and post-process painted, eliminating sharp edges. The socket bars are attached with a tab-lock system, allowing ease of maintenance. The reflectors attach to the socket bars with lance-and-form tabs. No tools are required for reflector installation and removal.

Installation



Highlights

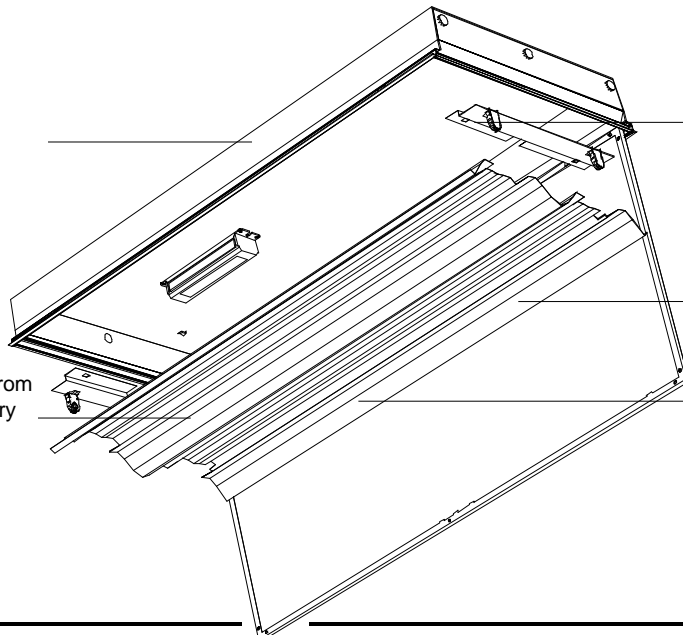
Solid, 0.036" gloss white housing and socket bars

Socket bar tabs allow tool-free reflector installation and removal

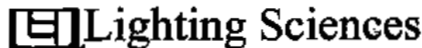
Available in reflectances from 85% to 95%, meeting every performance and budget requirement.

21 bend, press-brake formed reflector profile

Designed and analyzed on proprietary software for optimal performance



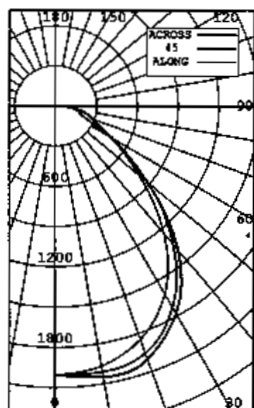
Photometrics*



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CERTIFIED TEST REPORT NO. LSI 14143

ENERGY SOLUTIONS 2 X 4 TROFFER LUMINAIRE, CAT# 24EAD2
WITH 95 SPECULAR D2 REFLECTOR AND PRISMATIC ACRYLIC LENS
TWO PHILIPS 32W FLUORESCENT LAMPS, CAT# F32T8/TLB41. LUMEN RATING = 3000 LMS.
ONE MOTOROLA M2-IN-T8-G-PD-120 BALLAST OPERATING AT 120 VAC AND 60 WATTS



ANGLE	ALONG	22.5	45	67.5	ACROSS	OUTPUT LUMENS
0	2008	2008	2008	2008	2008	
5	1995	1999	2012	2020	2026	195
10	1967	1980	2013	2039	2052	
15	1916	1944	2000	2041	2055	561
20	1845	1884	1955	1993	2003	
25	1742	1795	1853	1892	1902	845
30	1612	1666	1726	1767	1778	
35	1444	1495	1556	1604	1614	959
40	1240	1282	1345	1394	1401	
45	1021	1049	1123	1149	1147	845
50	803	825	886	890	882	
55	611	622	655	653	656	576
60	458	448	445	462	478	
65	347	325	285	330	355	330
70	282	257	200	254	286	
75	235	203	176	204	239	214
80	166	147	140	148	175	
85	83	84	78	83	93	87
90	0	0	0	0	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1601	26.69	34.72
0-40	2560	42.68	55.52
0-60	3981	66.36	86.32
0-90	4612	76.87	100.00
40-90	2051	34.19	44.48
60-90	630	10.51	13.68
90-180	0	.00	.00
0-180	4612	76.87	100.00

** EFFICIENCY = 76.9% **

LUMINANCE SUMMARY - CD./SQ.F.

ANGLE	ALONG	45	ACROSS
45	2283	2519	2575
55	1683	1812	1815
65	1299	1068	1331
75	1435	1073	1463
85	1504	1410	1699

S/MH = 1.3
SC(ALONG) = 1.2, SC(ACROSS) = 1.3

CERTIFIED BY: *[Signature]* DATE: JUN 21, 1999
PREPARED FOR: ENERGY MASTERS
ST. PAUL, MN

TESTED IN ACCORDANCE TO IES PROCEDURES.

Summaries

95% reflective, specular enhanced aluminum

- Efficiency: 76.9%
- Spacing height ratio (along) : 1.2
- Spacing height ratio (across) : 1.3
- Photometrics data file: 24EAD2.ies

85% reflective, specular anodized aluminum

- Efficiency: 72.9%
- Spacing height ratio (along) : 1.2
- Spacing height ratio (across) : 1.2
- Photometrics data file: 24AAD2.ies

92% reflective, diffuse white enamel

- Efficiency: 76.4%
- Spacing height ratio (along) : 1.2
- Spacing height ratio (across) : 1.3
- Photometrics data file: 24RWD2.ies

*shown for an enhanced aluminum reflector, full reports for all products available upon request

Ordering Information

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

(Example F-24GTWR632UNVH-PR = 2'x4' Grid Troffer with a white reflector, 6-32W lamps, universal voltage HP ballasts, and a prismatic lens)

Size F-24GT - 2' x 4'	Reflector EA - 95% Enhanced Alum AA - 85% Anodized Alum WR - 92% White Enamel	# Lamps 2-6	Lamp Watts 32 54	Voltage UNV	Options H - High Ballast Factor PR - Prismatic Lens CL - Clear Lens
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