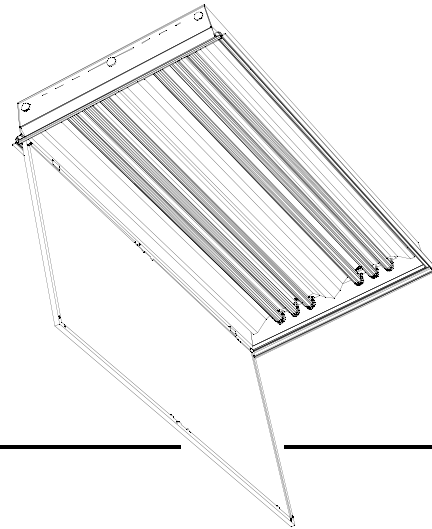


Features

- Computer designed for optimal performance*
- Provides uniform light distribution*
- Minimizes lens streaking*
- Tool-free reflector installation and removal*
- Optional wire guard*



Technical Data

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

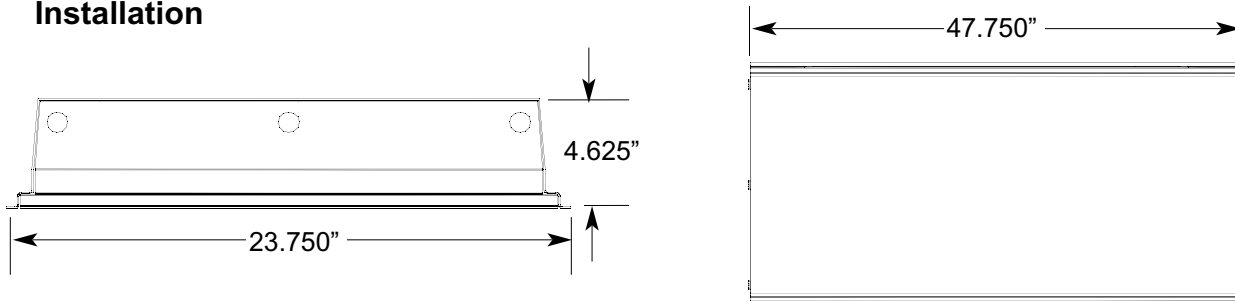
Finish: All cold rolled steel parts are painted with a smooth, glossy, highly reflective white paint.

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 pre-mask 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 quarter-turn fasteners. No tools are required for reflector installation and removal.

Installation

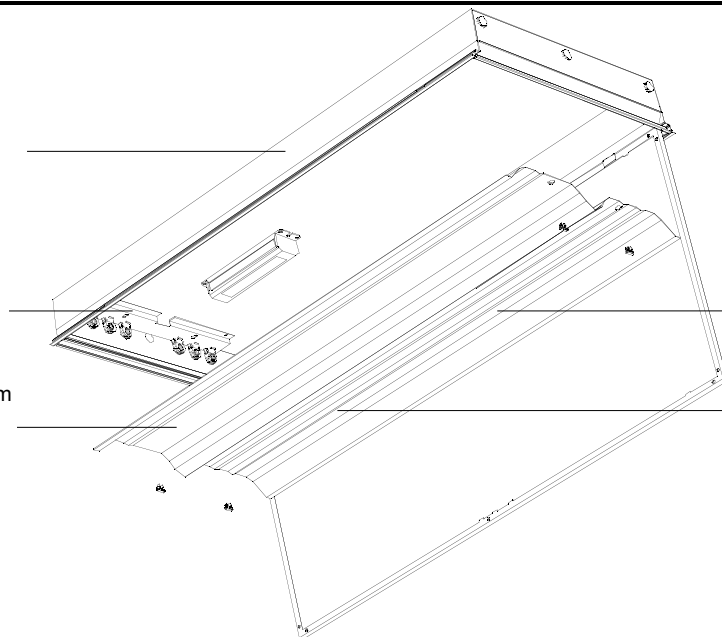


Highlights

Solid, 0.032" 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.



29 bend, press-brake formed reflector profile

Designed and analyzed on proprietary software for optimal performance

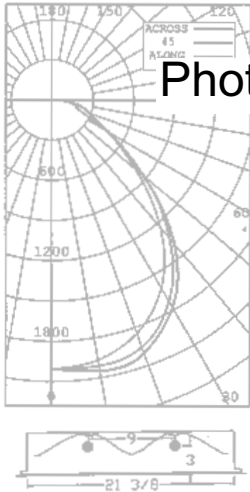
Photometrics*



Lighting Sciences Inc.
7830 E. Evans Road
Scottsdale, Arizona 85260 USA
Tel: 480-991-9260 • Fax: 480-991-0375

CERTIFIED TEST REPORT NO. LSI 14143

ENERGY SOLUTIONS 2 X 4 TROFFER LUMINAIRE, CAT# 24EAD2
WITH 93 SPECULAR D2 REFLECTOR AND PRISMATIC ACRYLIC LENS
TWO PHILIPS 32W FLUORESCENT LAMPS, CAT# F32T8/TL841. 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
10	1967	1980	2013	2039	2052
30	1014	1000	1120	1177	1178
35	1444	1495	1556	1604	1614
40	1240	1282	1345	1394	1401
45	1021	1049	1123	1149	1147
50	803	825	886	890	882
55	611	622	655	653	656
60	458	448	445	462	478
65	347	325	285	330	355
70	282	257	200	254	286
75	235	203	176	204	239
80	166	147	140	148	175
85	83	84	78	83	93
90	0	0	0	0	0

Photometrics not yet available for this product

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.M.

ANGLE ALONG	45	ACROSS
45	2283	2519
55	1683	1812
65	1299	1068
75	1435	1073
85	1504	1410

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.

*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 24GAEA632120N = 2'x4'troffer fixture with an enhanced aluminum reflector, 6-32W lamps, 120 volts and a normal power ballast)

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