FEATURES & BENEFITS

This affordable grid mount LED recessed troffer fixture is a remarkable way to light up an area with high quality reliable lighting. Exceptional for classroom, office, hallway and hospital lighting applications.

ENERGY EFFICIENT – This high lumen, low wattage product offers exceptional energy efficient value.

MAINTENANCE FREE – Eliminates costly bulb and/or ballast replacements, lens cleaning/replacements due to UV yellowing and is corrosion resistant. Reduces unnecessary landfill & disposal.

ARCHITECTURALLY PLEASING DESIGN – The Silescent 2x2 LED fixture looks outstanding in either the ON or OFF state.

PLEASING LAMP COLOR – Delivering pure (visible) light spectrum lighting originating from the highest quality COB array's producing the most vibrant of colors.

WIDE AREA LIGHT DISTRIBUTION – 140 degree distribution provides remarkable light coverage.

INSTANT ON/OFF – Designed for Instant ON/OFF operation.

ENVIRONMENTALLY FRIENDLY – No Hazardous Mercury Content.

LISTINGS & COMPLIANCE – UL1598 listed Canada & US (ETL label), suitable for suspended ceiling-grid mount, RoHS compliant.

DURABLE LIGHTWEIGHT CONSTRUCTION – The smooth lines and construction of the Silescent 2x2 LED troffer fixture weighs only **6 pounds** allowing for safe and easy installation.

THERMAL MANAGEMENT - Patented (No.'s: 7,810,960 & 8,360,614) HEAT FORWARD/LIGHT FORWARD proprietary technology using its thermal radiating trim which also provides mounting and style.

EXTRA LONG LIFE – 100,000 operating hours (@ 10 hrs/day is > 27 years)

WARRANTY – 5 year limited warranty, both LED and driver. Full warranty details available at www.silescent.com

EASY MOUNTING/INSTALLATION – *New Construction & Retrofit*: suitable for suspended ceiling grid mount.

MADE IN USA – Both driver and fixture are designed, engineered and mfr'd by Silescent Lighting in Ft. Lauderdale FL (ARRA & NAFTA compliant).

SPECIFICATIONS

THERMAL PLATE STYLE – 24in x 24in, Square-Flat Thermal Plate.

FINISH – Standard Powder Coat White Finish.

INPUT VOLTAGE – 120/277VACin (Silescent HN3 driver)

LAMP TEMPERATURES (CCT) – 5000 Kelvin (CRI>70)

OPTIC – Diffuser, 140 degree distribution.

WATTAGE – 40 watts.

FIXTURE WEIGHT – 6.0lbs

Standard options available upon request (Finish & CCT). Pricing & lead-times may be affected. Contact Manufacturer.
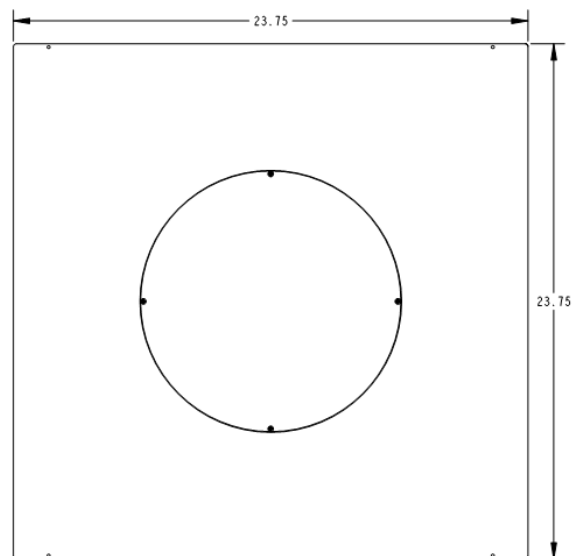

ELECTRICAL DATA

- **Operating Temp:**   -40°C to +40°C
- **Ambient Temp:**   <35°C
- **Nominal Voltage:**   120/277VAC$_{in}$
- **Operating Voltage:**   103 – 285VAC, 50 / 60 Hz

PERFORMANCE SUMMARY

- **Lumens:**   3880 lumens *(delivered)*
- **Wattage:**   40 watts
- **Efficacy:**   97 lumens/watt
- **CCT:**   5000 Kelvin (>65CRI)

Note: This fixture also comes with Integrated Emergency Battery Backup.

T2433HN40: Diffuser, 120/277VACin, 5000k, 70CRI, 39.1 Watts, 3796.2 Delivered Lumens, 97.0 Lm/W (measured)

Polar Candela Distribution

- 0° H	- 22.5° H
- 90° H	- 45° H
	- 67.5° H
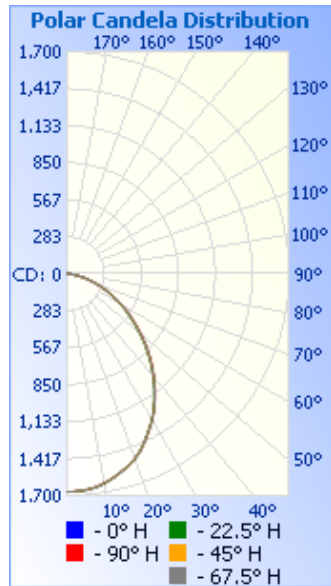
Lumens Per Zone

Zone	Lumens	% Total
0-10	158.2	4.2%
10-20	445.9	11.7%
20-30	650.7	17.1%
30-40	731.8	19.3%
40-50	685.5	18.1%
50-60	546.2	14.4%
60-70	365.1	9.6%
70-80	178.4	4.7%
80-90	34.4	0.9%

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,254.8	33.1%
0-40	1,986.6	52.3%
0-60	3,218.3	84.8%
60-90	577.8	15.2%
70-100	212.7	5.6%
90-120	0	0%
0-90	3,796.2	100%
90-180	0.0	0%
0-180	3,796.2	100%

Illuminance at a Distance

	Center Beam fc	Beam Width	
2.0ft	419.5 fc	4.2 ft	4.3 ft
4.0ft	104.9 fc	8.5 ft	8.6 ft
6.0ft	46.6 fc	12.7 ft	12.9 ft
8.0ft	26.2 fc	17.0 ft	17.2 ft
10.0ft	16.8 fc	21.2 ft	21.4 ft

Vert. Spread: 93.5°   Horiz. Spread: 94.0°
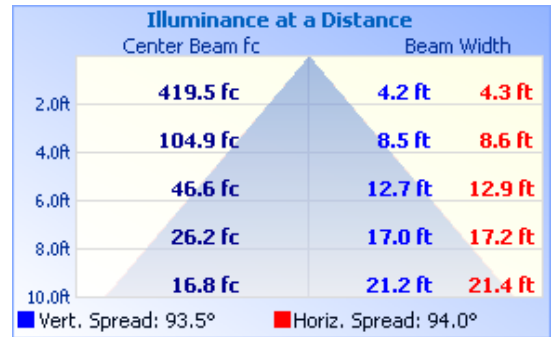
.ies files available upon request
(contact manufacturer; TR108-T2*)

This fixture also comes with integrated Emergency Battery Backup.

Catalog #:	T2433HN40	Type
Project:		
Comments:		Date
Prepared by:		

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