

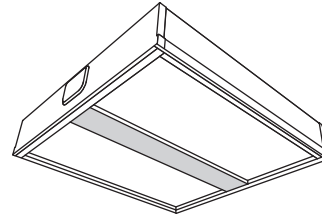
# Voice



Recessed

2'x2'

2 T5HO



Project Name

Spec Type

Notes

## Order Guide

Some combinations of product options may not be available. Consult factory for assistance with your specification.

9822 [ ] [ ] H224 - [ ] - [ ] - [ ] - [ ] - [ ]							
Product Series & Size	Version	Configuration	Lamping	Housing	Wiring	Voltage	Ballast
Voice 2'x2'	<b>D1</b> Standard T-Grid <b>D2</b> Slot T-Grid <b>A1</b> Air Return on Standard T-Grid <b>A2</b> Air Return on Slot T-Grid	<b>ST</b> Standalone <b>CR</b> Continuous Row	2 T5HO (24W)	<b>S</b> Standard (22ga.) <b>C</b> Chicago Plenum	<b>1</b> 1 cct <b>5</b> 1 cct w/ Battery Pack	<b>1</b> 120V <b>2</b> 277V <b>3</b> 347V	<b>E</b> Standard Ballast
	See details on next page				Consult website for complete list of standard wiring options		Consult website for ballast manufacturer information

## Upgrades & Accessories

Please indicate with check mark.

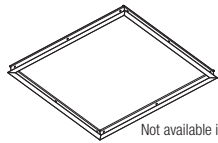
☐ Lamps Included

☐ Lamps Included & Installed

☐ Job Pack

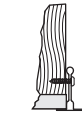
☐ Flex Whip

☐ Drywall Kit



Not available in continuous row

Can be mounted to wood frame or with hanger wire

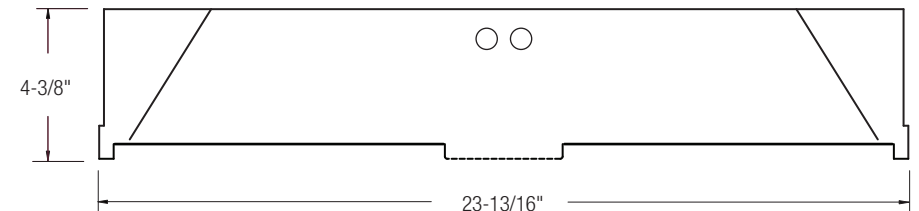


Wood Frame

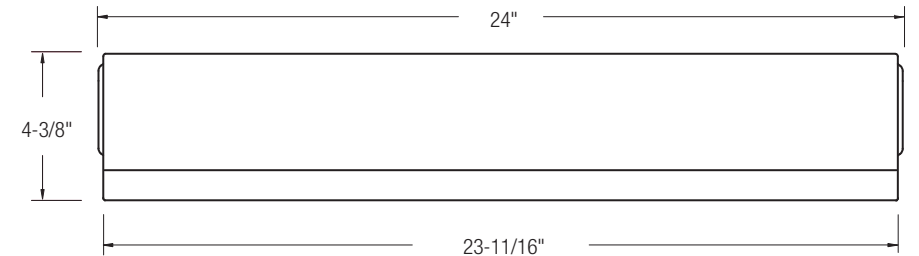


Hanger Wire

## Cross Section



## Side View

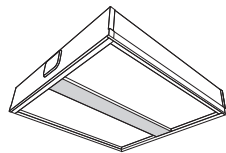


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## Photometry

### Report Summary

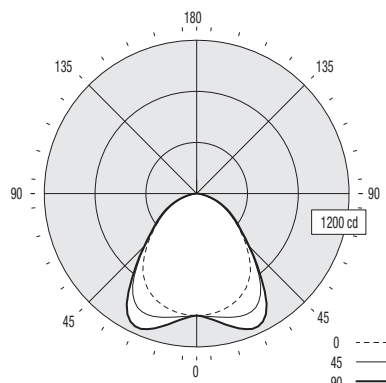
**Report #** 9900717  
**Filename** 9822D1H224.ies  
**Efficiency** 62.6%

**Spacing Criteria** 1.26 @ 0° along  
1.46 @ 90° across

Meets RP-1-04 recommendations for VDT-Normal spaces

### Candela Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	955	955	955	955	955	
5	951	955	964	970	978	94
15	924	948	1003	1054	1077	284
25	860	913	1020	1115	1147	464
35	739	796	878	944	935	533
45	542	566	572	593	584	445
55	360	368	361	380	380	332
65	224	224	218	236	234	225
75	93	95	95	104	105	105
85	13	17	17	21	20	22
90	0	0	0	0	0	



### Coefficients of Utilization (%)

Ceiling: Wall:	80				70				50				0
	70	50	30	10	70	50	30	10	70	50	30	10	0
0 RCR	74	74	74	74	72	72	72	69	69	69	69	69	62
1	69	66	64	62	67	65	62	62	60	59	54	54	54
2	63	58	55	51	61	57	54	55	52	50	46	46	46
3	58	52	47	44	56	51	47	49	45	42	40	40	40
4	53	46	41	37	52	46	41	44	40	37	34	34	34
5	49	42	37	33	48	41	36	40	35	32	30	30	30
6	46	38	33	29	44	37	32	36	32	28	27	27	27
7	42	34	29	26	41	34	29	33	29	25	24	24	24
8	40	31	26	23	39	31	26	30	26	23	21	21	21
9	37	29	24	21	36	29	24	28	24	21	19	19	19
10	35	27	22	19	34	26	22	26	22	19	17	17	17

Based on a floor reflectance of 0.2

### Avg. Luminance (cd/m<sup>2</sup>)

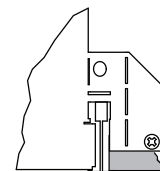
Vertical Angle	Horizontal Angle		
	0	45	90
55	2050	2056	2164
65	1731	1685	1809
75	1174	1199	1325
85	487	637	750

IES files for this and other photometric options can be downloaded online at [www.ledalite.com](http://www.ledalite.com)

## Additional Information

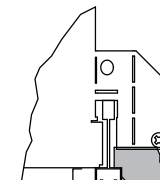
### Mounting

Integrates with most common T-bar ceiling types.



D1 Standard T-Grid

Option D1 works with 9/16" and 15/16" flat T-grid ceilings. It can also be used with slot T-grid ceilings, but it will not sit flush with the bottom of the T-bar.

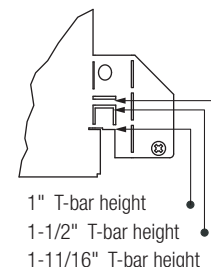


D2 Slot T-Grid

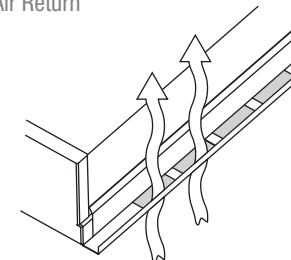
Option D2 is designed to sit flush with slot T-grid ceilings and some tegular tile ceiling types.

### Ceiling Types

Integrated mounting tabs can be field-adjusted to various T-bar ceiling heights for fastening directly to the T-bar grid and/or tied-off to the building structure.



### Air Return



The air return version features slotted vents along the sides of the fixture. As a result, the installation method of the air return version is different to the standard version, and the fixture cannot be installed in continuous rows.

## Specifications

Due to continuing product improvements, Ledalite reserves the right to change specifications without notice.

### Housing

Die-formed, post-painted, 22 gauge cold-rolled steel (New York City version is 20 gauge). Wire entrances are positioned on the side of the housing to allow easy wiring access for the installer. Multiple wire entrances are available on top or side to allow continuous row mounting of fixtures. Optional frame restraint is available to provide additional support to the optical frame.

### Weight

Maximum 23 lbs.

### Optical System

The optical frame assembly consists of flat acrylic panels with a layer of protected MesoOptics® film that provides high-angle glare control and high efficiency. The panels are secured to a perforated center shield using a linear prismatic acrylic diffuser. The optical frame ends are constructed from die-formed cold-rolled steel assembled together with extruded aluminum profiles in a sturdy frame. The frame is hinged to allow easy access to the inside of the fixture. Maintenance can be performed from below the ceiling without tools. No hardware is visible.

### Mounting

Fixture is compatible with most ceiling types. Integrated bend-out tabs are provided for different T-grid heights. Optional drywall kit is available for non-accessible ceilings. Use screws or hanger wire (supplied by others) to secure fixture.

### Ballast

Electronic. Supplied with pre-installed ballast disconnects as per national electric codes.

### Wiring

Optional flex whips are supplied in 6' lengths for 1x4, 2x2 and 2x4 fixtures. Flex connectors are supplied in 9' lengths for standard master/satellite configurations.

### Air Return

Air return option available in 2'x2' and 2'x4' sizes only. Side rails are finished in black.

### Approvals

Certified to UL & CSA Standards.  
City of Chicago Approved CCEA (housing option C).  
Designed to comply with NYC code requirements (Housing Option N).

### Finish

Housing and Frame: Post-painted, high quality powder coat. Available in white only.