Vectra

Recessed

2'x4'

2 T5HO

mesoOptics®   **airwave™**   **RESPONSE®**

LEDALITE
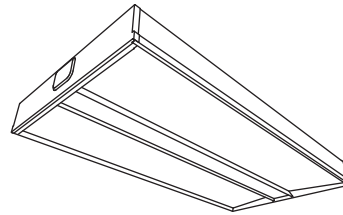
Project Name

Spec Type

Notes

Order Guide

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

9724			**H254** –		–		–		–

Product Series & Size	Version	Configuration	Lamping	Housing	Wiring	Voltage	Ballast
Vectra 2'x4'	**D1** Standard T-Grid **D2** Slot T-Grid **A1** Air Return on Standard T-Grid **A2** Air Return on Slot T-Grid	**ST** Standalone **CR** Continuous Row	2 T5HO (54W)	**S** Standard (22ga.) **C** Chicago Plenum **T** Standard w/ Frame Restraint	**1** 1 cct **5** 1 cct w/ Battery Pack **7** 1 cct Dimming	**1** 120V **2** 277V **3** 347V	**E** 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
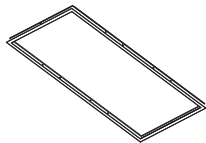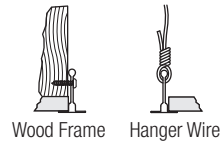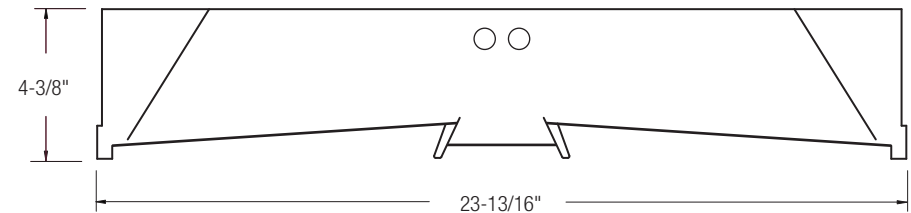- ☐ Job Pack
- ☐ Drywall Kit
- ☐ Response Daylight
  For details visit www.ledalite.com/response

- ☐ Lamps Included & Installed
- ☐ Flex Whip

Can be mounted to wood frame or with hanger wire

Wood Frame   Hanger Wire

Cross Section

4-3/8"

23-13/16"

Side View

48"

4-3/8"

47-11/16"

PHILIPS

Vectra

Photometry

Report Summary

Report #	9900223	**Spacing Criteria**	1.3 @ 0° along
Filename	9724D1H254.ies		1.4 @ 90° across
Efficiency	80%		

Candela Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	2786	2786	2786	2786	2786	
5	2774	2782	2800	2818	2827	273
15	2693	2751	2879	2998	3048	816
25	2538	2673	2947	3138	3192	1334
35	2283	2457	2634	2642	2602	1578
45	1879	1902	1843	1754	1719	1407
55	1253	1195	1126	1095	1081	1028
65	640	640	624	628	626	630
75	217	253	288	306	309	299
85	26	46	71	76	73	72
90	0	0	0	0	0	

3300 cd
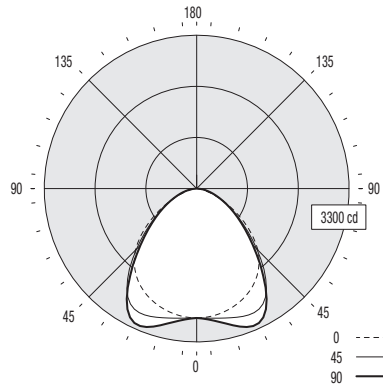
Coefficients of Utilization (%)

Ceiling:	80				70			50			0
Wall:	70	50	30	10	70	50	30	50	30	10	0
0 RCR	95	95	95	95	93	93	93	89	89	89	80
1	88	84	81	79	86	83	80	79	77	75	69
2	81	75	70	66	79	73	69	70	67	63	59
3	74	66	60	56	72	65	60	63	58	54	51
4	68	59	53	48	66	58	52	56	51	47	44
5	63	53	47	42	61	52	46	51	45	41	38
6	58	48	41	37	57	47	41	46	40	36	34
7	54	44	37	32	53	43	37	42	36	32	30
8	50	40	34	29	49	39	33	38	33	29	27
9	47	37	30	26	46	36	30	35	30	26	24
10	44	34	28	24	43	33	28	33	27	24	22

Based on a floor reflectance of 0.2

Avg. Luminance (cd/m²)

Vertical Angle	Horizontal Angle		
	0	45	90
55	3123	2807	2694
65	2165	2111	2118
75	1199	1591	1707
85	426	1165	1197

IES files for this and other photometric options can be downloaded online at www.ledalite.com

Additional Information

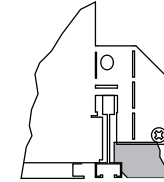### Mounting

Integrates with most common T-bar ceiling types.
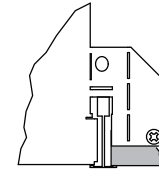
Option D1 works with 9/16" and 15/16" flat T-grid ceilings. It can also be used with slot T-grid ceilings, but it will not sit flush with the bottom of the T-bar.
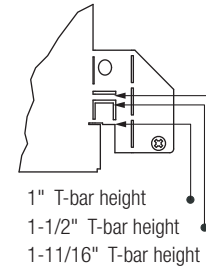
Option D2 is designed to sit flush with slot T-grid ceilings and some tegular tile ceiling types.

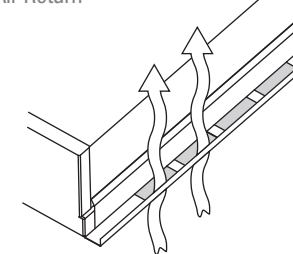**D1** Standard T-Grid

D2 Slot T-Grid

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.

1" T-bar height
1-1/2" T-bar height
1-11/16" T-bar height

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 40 lbs.

Optical System

Optical assembly consists of flat acrylic panels and flat acrylic lens. A protected MesoOptics® film layer creates optimal light distribution and high efficiency. 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.