Vectra

Recessed

2'x4'

3 T5

LEDALITE

mesoOptics® airwave™ RESPONSE®
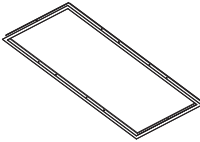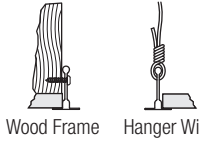
Order Guide

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

| 9724 | | | F328 | – | | – | | – | | – | |

| 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 **CMS** Continuous Row Master/Satellite	3 T5 (28W)	**S** Standard (22ga.) **C** Chicago Plenum **T** Standard w/ Frame Restraint	**1** 1 cct **2** 2 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
- [ ] Lamps Included & Installed
- [ ] Flex Whip

Can be mounted to wood frame or with hanger wire

Wood Frame   Hanger Wire

- [ ] Response Daylight
  For details visit www.ledalite.com/response

Cross Section

4-3/8"

23-13/16"

Side View

48"

4-3/8"

47-11/16"
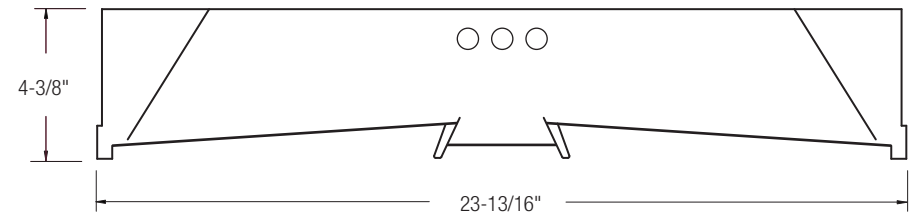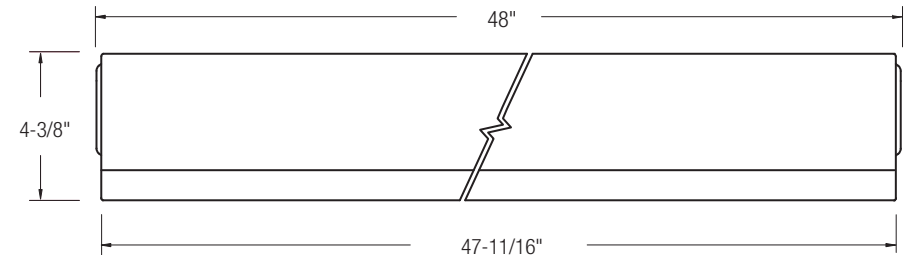
Vectra
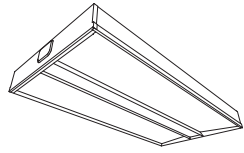
Photometry

Report Summary

Report #	9900129	**Spacing Criteria**	1.26 @ 0˚ along
Filename	9724D1F328.ies		1.36 @ 90˚ across
Efficiency	74.7%		

Candela Distribution

Vertical Angle	Horizontal Angle 0	22.5	45	67.5	90	Zonal Lumens
0	2595	2595	2595	2595	2595	
5	2582	2589	2604	2617	2626	253
15	2492	2540	2637	2722	2761	746
25	2323	2426	2617	2749	2777	1186
35	2055	2174	2254	2259	2225	1369
45	1644	1645	1549	1514	1470	1208
55	1077	1026	946	950	931	882
65	540	538	524	550	544	541
75	177	213	242	277	275	257
85	18	38	52	70	63	61
90	0	0	0	0	0	

2900 cd

0 ----
45 —
90 —
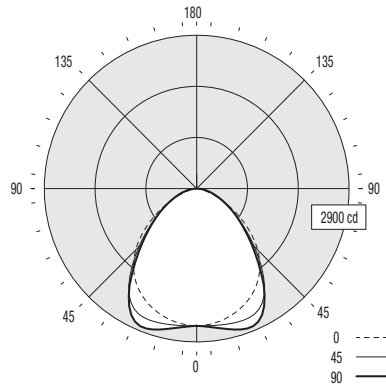
Coefficients of Utilization (%)

Ceiling: Wall:	80 70	50	30	10	70 70	50	30	50 50	30	10	0 0
0 RCR	89	89	89	89	87	87	87	83	83	83	74
1	82	79	76	74	80	77	75	74	72	70	64
2	75	70	65	62	74	69	64	66	62	59	55
3	69	62	57	52	68	61	56	59	54	51	48
4	64	56	50	45	62	55	49	53	48	44	41
5	59	50	44	39	57	49	43	48	43	39	36
6	55	45	39	35	53	45	39	43	38	34	32
7	51	41	35	31	50	41	35	40	34	30	29
8	47	38	32	28	46	37	31	36	31	27	26
9	44	35	29	25	43	34	29	33	28	25	23
10	42	32	26	23	41	32	26	31	26	22	21

Based on a floor reflectance of 0.2

Avg. Luminance (cd/m²)

Vertical Angle	Horizontal Angle 0	45	90
55	2698	2370	2333
65	1836	1782	1850
75	983	1344	1527
85	297	857	1039

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

Additional Information

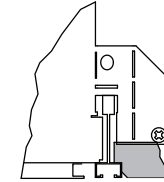### Mounting

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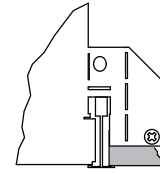
Option D1 works with 9/16" and 15/16" flat T-grid ceilings. It can also be used with slot T-grid ceilings, but it will not sit flush with the bottom of the T-bar.
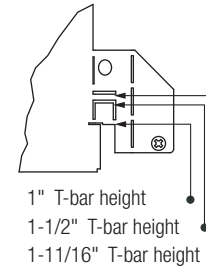
Option D2 is designed to sit flush with slot T-grid ceilings and some tegular tile ceiling types.

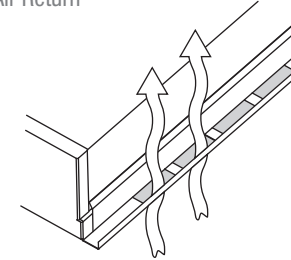**D1** Standard T-Grid

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.