

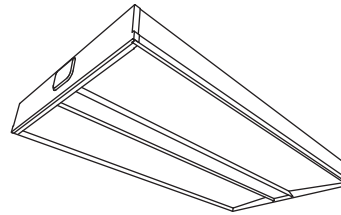
# Vectra



Recessed

2'x4'

2 T5



Project Name

Spec Type

Notes

## Order Guide

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

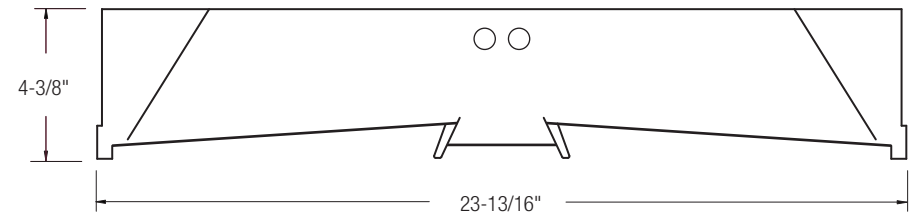
<b>9724</b>			<b>F228</b>	-		-		-		-	
Product Series & Size	Version	Configuration	Lamping	Housing	Wiring	Voltage	Ballast				
Vectra 2'x4'	<b>D1</b> Standard T-Grid <b>D2</b> Slot T-Grid <b>A1</b> Air Return on Standard T-Grid <b>A2</b> Air Return on Slot T-Grid	<b>ST</b> Standalone <b>CR</b> Continuous Row	2 T5 (28W)	<b>S</b> Standard (22ga.) <b>C</b> Chicago Plenum <b>T</b> Standard w/ Frame Restraint	<b>1</b> 1 cct <b>5</b> 1 cct w/ Battery Pack <b>7</b> 1 cct Dimming	<b>1</b> 120V <b>2</b> 277V <b>3</b> 347V	<b>E</b> Standard Ballast <b>S</b> 50/100 Power Step-Dim				
	See details on next page				Consult website for complete list of standard wiring options		Consult website for ballast manufacturer information				

## Upgrades & Accessories

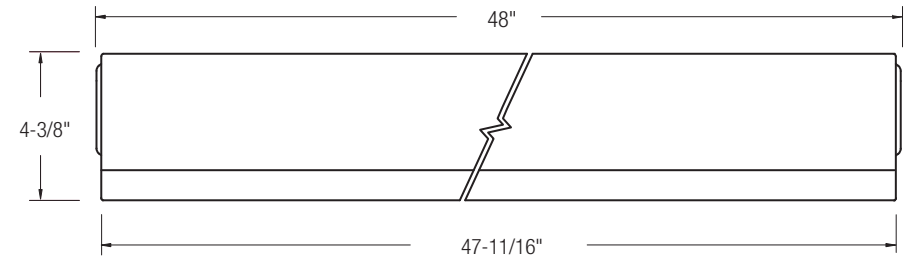
Please indicate with check mark.

- |  |  |
|--|--|
| <input type="checkbox"/> Lamps Included    | <input type="checkbox"/> Lamps Included & Installed  |
| <input type="checkbox"/> Job Pack          | <input type="checkbox"/> Flex Whip                   |
| <input type="checkbox"/> Drywall Kit       | Can be mounted to wood frame or with hanger wire<br> |
| <input type="checkbox"/> Response Daylight |  |
- For details visit [www.ledalite.com/response](http://www.ledalite.com/response)

### Cross Section

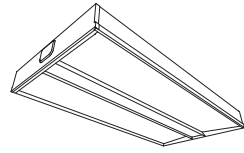


### Side View



# Vectra

Recessed  
2'x4'  
2 T5



## Photometry

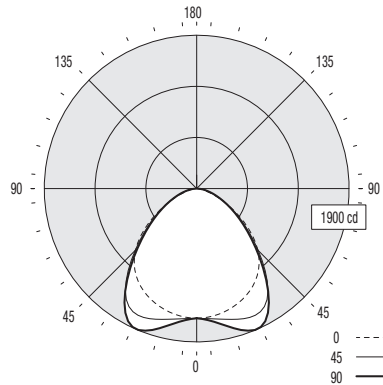
### Report Summary

Report # 2101744  
Filename 9724D1F228.ies  
Efficiency 76.9%

Spacing Criteria 1.3 @ 0° along  
1.4 @ 90° across

### Candela Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	1608	1608	1608	1608	1608	
5	1600	1606	1618	1635	1637	157
15	1552	1590	1678	1766	1792	476
25	1461	1550	1732	1852	1893	780
35	1316	1421	1550	1529	1554	921
45	1079	1089	1086	1031	1041	822
55	718	668	673	634	647	596
65	359	350	369	347	365	357
75	119	135	163	160	174	163
85	16	19	40	28	44	36
90	0	0	0	0	0	



### Coefficients of Utilization (%)

Ceiling: Wall:	80				70				50				0
	70	50	30	10	70	50	30	50	30	10	0	0	
0 RCR	91	91	91	91	89	89	89	85	85	85	77		
1	85	81	78	76	82	80	77	76	74	72	66		
2	78	72	67	63	76	71	66	68	64	61	57		
3	71	64	58	54	70	63	58	61	56	52	49		
4	66	57	51	46	64	56	50	54	49	45	43		
5	61	51	45	40	59	51	45	49	44	40	37		
6	56	47	40	35	55	46	40	44	39	35	33		
7	52	42	36	31	51	42	36	41	35	31	29		
8	49	39	32	28	47	38	32	37	32	28	26		
9	45	35	29	25	44	35	29	34	29	25	24		
10	43	33	27	23	42	32	27	32	26	23	21		

Based on a floor reflectance of 0.2

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

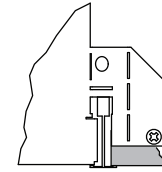
Vertical Angle	Horizontal Angle		
	0	45	90
55	1790	1677	1613
65	1214	1248	1235
75	657	900	961
85	262	656	722

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

## Additional Information

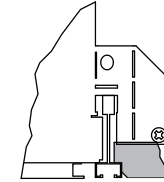
### Mounting

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.

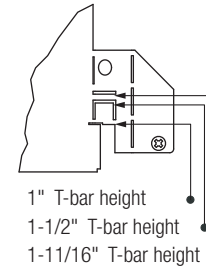


D2 Slot T-Grid

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

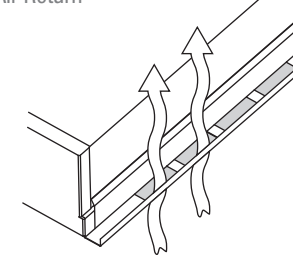
### Ceiling Types

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.



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.