Vectra

Recessed

1'x4'

2 T5

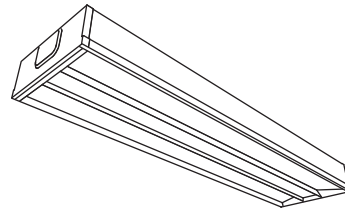**mesoOptics®** **airwave™** **RESPONSE®**

LEDALITE

Project Name

Spec Type

Notes

Order Guide

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

| 9714 | | | F228 | – | | – | | – | | – | |

| Product Series & Size	Version	Configuration	Lamping	Housing	Wiring	Voltage	Ballast
Vectra 1'x4'	**D1** Standard T-Grid	**ST** Standalone **CR** Continuous Row	2 T5 (28W)	**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 **S** 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.

☐ 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
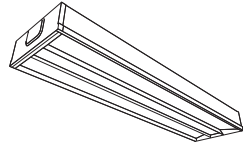For details visit www.ledalite.com/response

Cross Section

4-3/8"

11-13/16"

Side View

48"

4-3/8"

47-11/16"
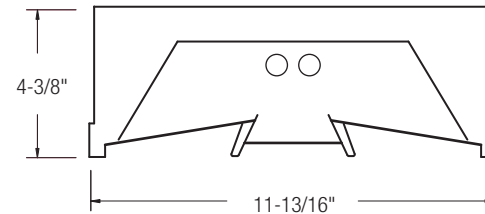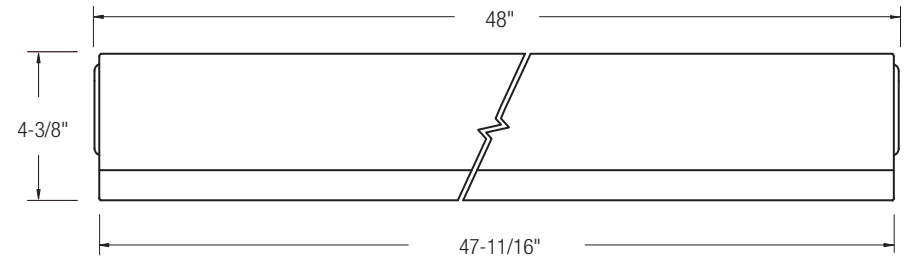
Vectra

Recessed
1'x4'
2 T5

Photometry

Report Summary

Report #	9900320	**Spacing Criteria**	1.3 @ 0° along
Filename	9714D1F228.ies		1.3 @ 90° across
Efficiency	60.1%		

Candela Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	1525	1525	1525	1525	1525	
5	1517	1521	1530	1540	1544	149
15	1468	1494	1545	1588	1603	435
25	1372	1419	1484	1497	1485	667
35	1210	1234	1189	1104	1065	726
45	947	902	789	714	690	622
55	607	559	488	455	445	456
65	309	301	279	266	261	281
75	107	120	119	113	108	125
85	14	23	22	21	20	25
90	0	0	0	0	0	

1700 cd

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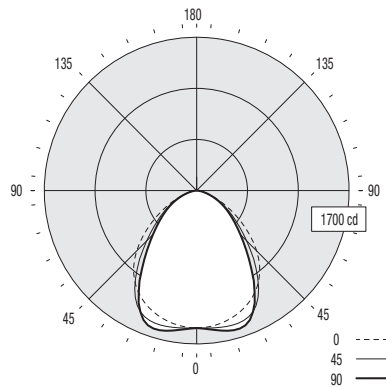
Coefficients of Utilization (%)

Ceiling:	80				70			50			0
Wall:	70	50	30	10	70	50	30	50	30	10	0
0 RCR	71	71	71	71	70	70	70	66	66	66	60
1	66	64	61	59	64	62	60	60	58	57	52
2	61	57	53	50	59	55	52	53	51	48	45
3	56	50	46	43	55	49	45	48	44	41	39
4	52	45	40	37	50	44	40	43	39	36	34
5	48	41	36	32	47	40	35	39	35	32	30
6	44	37	32	28	43	36	32	35	31	28	27
7	41	34	29	25	40	33	29	32	28	25	24
8	39	31	26	23	38	31	26	30	26	23	21
9	36	28	24	21	35	28	24	27	23	21	19
10	34	26	22	19	33	26	22	25	21	19	18

Based on a floor reflectance of 0.2

Avg. Luminance (cd/m²)

Vertical Angle	Horizontal Angle		
	0	45	90
55	3157	2538	2315
65	2181	1970	1843
75	1233	1372	1245
85	479	753	685

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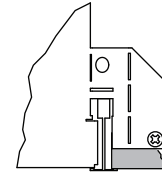
Option D1 works with 9/16" and 15/16" flat T-grid ceilings. It can also be used with slot T-grid ceilings, but it will not sit flush with the bottom of the T-bar.

D1 Standard 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.
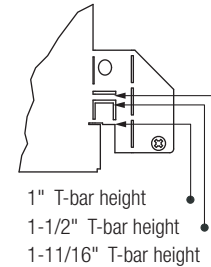
1" T-bar height
1-1/2" T-bar height
1-11/16" T-bar height

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 30 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.