Vectra

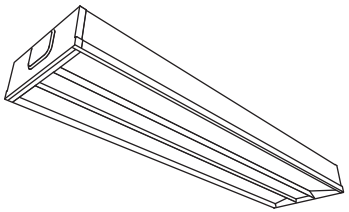
LEDALITE

Recessed

1'x4'

1 T5HO

mesoOptics® airwave™ RESPONSE®



Project Name

Spec Type

Notes

Order Guide

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

9714			H154	–		–		–		–	

Product Series & Size
Vectra 1'x4'

Version
D1 Standard T-Grid

See details on next page

Configuration
ST Standalone
CR Continuous Row
SMS Standalone Master/Satellite
CMS Continuous Row Master/Satellite

Lamping
1 T5HO (54W)

Housing
S Standard (22ga.)
C Chicago Plenum
T Standard w/ Frame Restraint

Wiring
1 1 cct
5 1 cct w/ Battery Pack
7 1 cct Dimming

Consult website for complete list of standard wiring options

Voltage
1 120V
2 277V
3 347V

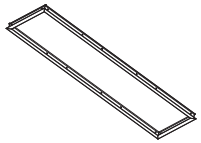
Ballast
E Standard Ballast

Consult website for ballast manufacturer information

Upgrades & Accessories

Please indicate with check mark.

- ☐ Lamps Included
- ☐ Lamps Included & Installed
- ☐ Job Pack
- ☐ Flex Whip
- ☐ Drywall Kit



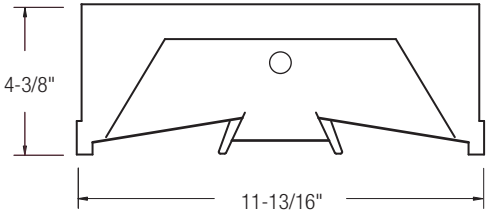
Can be mounted to wood frame or with hanger wire

Wood Frame

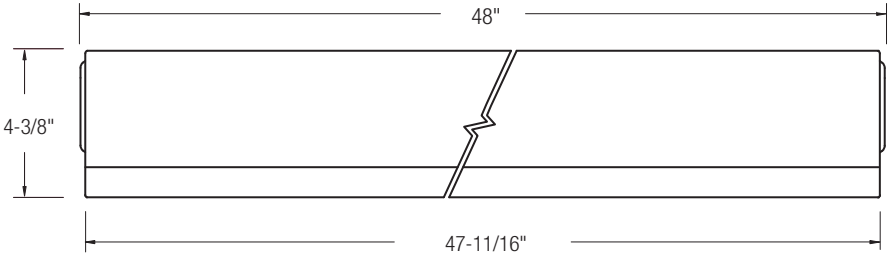
Hanger Wire

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

Cross Section



Side View



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PHILIPS

Vectra

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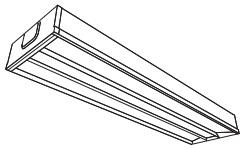
1 T5HO



Photometry

Report Summary

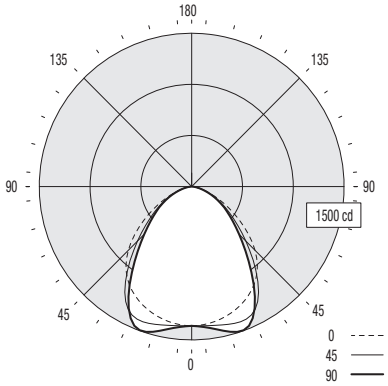
Report # 9900321
Filename 9714D1H154.ies
Efficiency 70.3%

Spacing Criteria 1.3 @ 0˚ along
1.3 @ 90˚ across

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

Candela Distribution

Vertical Angle	Horizontal Angle 0	22.5	45	67.5	90	Zonal Lumens
0	1363	1363	1363	1363	1363	
5	1356	1359	1367	1375	1380	133
15	1312	1338	1395	1448	1471	395
25	1232	1291	1388	1429	1421	620
35	1101	1152	1136	1070	1026	688
45	882	854	755	690	660	592
55	575	531	462	436	423	433
65	296	285	261	254	246	267
75	104	113	113	108	103	120
85	14	22	21	21	19	25
90	0	0	0	0	0	



Coefficients of Utilization (%)

Ceiling:	80				70			50			0
Wall:	70	50	30	10	70	50	30	50	30	10	0
0 RCR	83	83	83	83	82	82	82	78	78	78	70
1	77	74	72	70	76	73	71	70	68	66	61
2	71	66	62	58	69	65	61	62	59	56	52
3	66	59	54	50	64	58	53	56	52	48	45
4	60	53	47	43	59	52	47	50	46	42	40
5	56	48	42	38	54	47	41	45	41	37	35
6	52	43	37	33	51	43	37	41	36	33	31
7	48	39	34	30	47	39	33	38	33	29	28
8	45	36	30	27	44	36	30	35	30	26	25
9	42	33	28	24	41	33	28	32	27	24	22
10	39	31	25	22	39	30	25	30	25	22	20

Based on a floor reflectance of 0.2

Avg. Luminance (cd/m²)

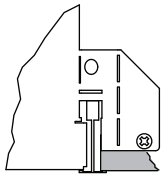
Vertical Angle	Horizontal Angle 0	45	90
55	2991	2403	2200
65	2090	1843	1737
75	1199	1303	1187
85	479	719	650

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.

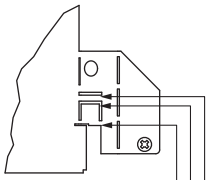


Option D1 works with 9/16" and 15/16" flat T-grid ceilings. It can also be used with slot T-grid ceilings, but it will not sit flush with the bottom of the T-bar.

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.