Vectra

Recessed

20"x4'

3 T5HO

mesoOptics®   airwave™

LEDALITE
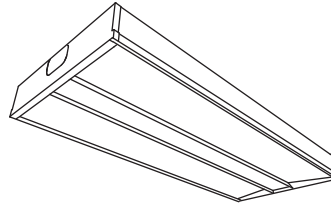
Project Name

Spec Type

Notes

Order Guide

Some combinations of product options may not be available. Consult factory for assistance with your specification.
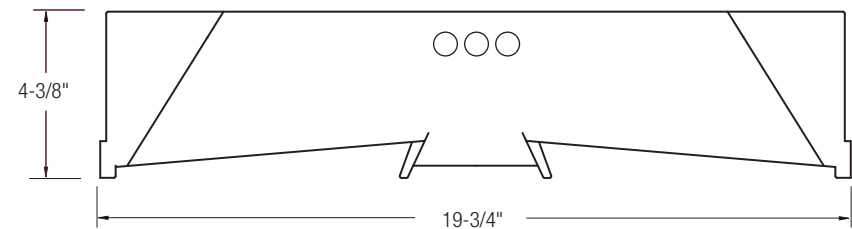
9754			H354	–		–		–		–	

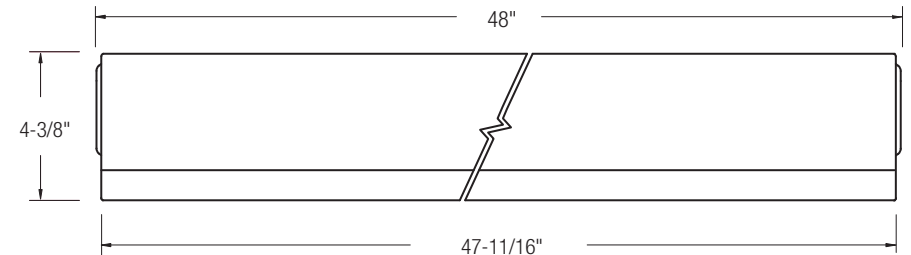| Product Series & Size	Version	Configuration	Lamping	Housing	Wiring	Voltage	Ballast
Vectra 20"x4'	**NN** Standard T-Grid*	**ST** Standalone	3 T5HO (54W)	**S** Standard (22ga.) **T** Standard w/ Frame Restraint	**1** 1 cct **2** 2 cct **5** 1 cct w/ Battery Pack **7** 1 cct Dimming	**1** 120V **2** 277V **3** 347V	**E** Standard Ballast
	*Optional filler panels for 20"x4' fixtures used in 20"x 60" ceiling grid systems are ordered separately and field installed (see below). For 20"x4' fixtures with air return, select perforated filler panel (see below).				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

☐ Lamps Included & Installed

☐ Flex Whip

☐ Solid Filler Panel (set of 2)

☐ Perforated Filler Panel /Air Return (set of 2)
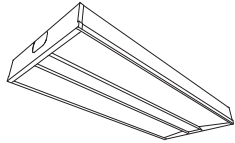
Cross Section

4-3/8"

19-3/4"

Side View

48"

4-3/8"

47-11/16"

Phone: 604.888.6811   Fax: 800.665.5332   Web: www.ledalite.com   Filename 9754xxxxH354.pdf Rev 1

Ledalite is a Philips group brand

PHILIPS

Vectra

Recessed

20"x4'

3 T5HO

Photometry

Report Summary

Report #	9901527	**Spacing Criteria**	1.27 @ 0˚ along
Filename	9754D1H354.ies		1.3 @ 90˚ across
Efficiency	61.3%		

Candela Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	3372	3372	3372	3372	3372	
5	3356	3368	3388	3404	3422	329
15	3253	3320	3439	3546	3596	972
25	3044	3189	3382	3512	3486	1528
35	2707	2844	2854	2802	2713	1741
45	2166	2164	2011	1963	1879	1570
55	1433	1396	1269	1293	1216	1184
65	739	777	735	757	723	752
75	263	341	364	381	360	376
85	37	75	83	121	83	101
90	0	0	0	0		

180

135 · · · 135

90 · · · 90

3700 cd

45 · · · 45

0

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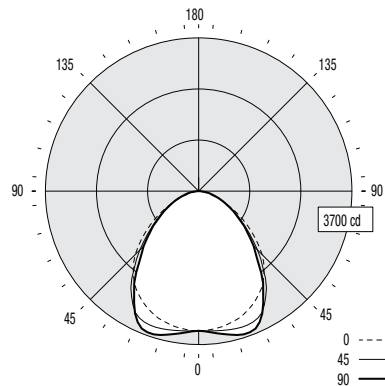
Coefficients of Utilization (%)

Ceiling:	80				70			50			0
Wall:	70	50	30	10	70	50	30	50	30	10	0
0 RCR	73	73	73	73	71	71	71	68	68	68	61
1	67	64	62	60	65	63	61	61	59	57	53
2	62	57	53	50	60	56	52	54	51	48	45
3	57	51	46	42	55	50	45	48	44	41	39
4	52	45	40	36	51	44	40	43	39	36	33
5	48	41	35	32	47	40	35	39	34	31	29
6	44	37	32	28	43	36	31	35	31	28	26
7	41	33	28	25	40	33	28	32	28	24	23
8	39	31	26	22	38	30	25	29	25	22	21
9	36	28	23	20	35	28	23	27	23	20	19
10	34	26	21	18	33	26	21	25	21	18	17

Based on a floor reflectance of 0.2

Avg. Luminance (cd/m²)

Vertical Angle	Horizontal Angle		
	0	45	90
55	4368	3868	3707
65	3057	3041	2991
75	1777	2459	2432
85	742	1665	1665

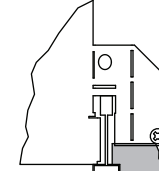IES files for this and other photometric options can be downloaded online at www.ledalite.com

Additional Information

Mounting

Integrates with most common T-bar ceiling types.
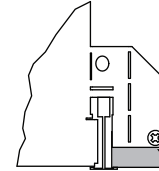
Works with 9/16" and 15/16" flat T-grid ceilings.

Can also be used with slot T-grid ceilings, but it will not sit flush with the bottom of the T-bar.

Note: Optional filler panels for 20"x4' fixtures used in 20"x 60" ceiling grid systems are ordered separately and field installed. For 20"x4' fixtures with air return, select perforated filler panel (see below).
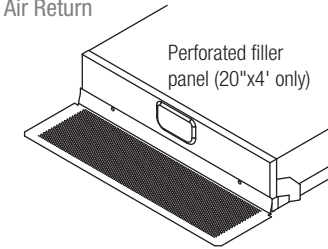
Flat T-Grid

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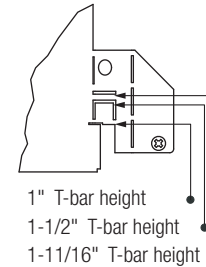
1" T-bar height
1-1/2" T-bar height
1-11/16" T-bar height

Air Return

Perforated filler panel (20"x4' only)

The air return version features a perforated filler panel at the end 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. Wire entrances are positioned on the side of the housing to allow easy wiring access for the installer. Optional frame restraint is available to provide additional support to the optical frame. 20"x4' models are available with optional field installed filler panels (solid or perforated).

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. Use screws or hanger wire (supplied by others) to secure fixture.

Ballast

Electronic. Supplied with pre-installed ballast disconnect as per national electric codes.

Wiring

Optional flex whips are supplied in 6' lengths.

Air Return

Available for 20"x4' only via perforated filler panel (see above).

Approvals

Certified to UL & CSA Standards.

Finish

Housing and Frame: Post-painted, high quality powder coat. Available in white only.