Vectra

LEDALITE

Recessed

20"x4'

1 T5HO

mesoOptics®   airwave™   RESPONSE®

Order Guide

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

| 9754 | | | H154 | – | | – | | – | | – | |

Product Series & Size	Version	Configuration	Lamping	Housing	Wiring	Voltage	Ballast
Vectra 20"x4'	**NN** Standard T-Grid*	**ST** Standalone	1 T5HO (54W)	**S** Standard (22ga.) **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

*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
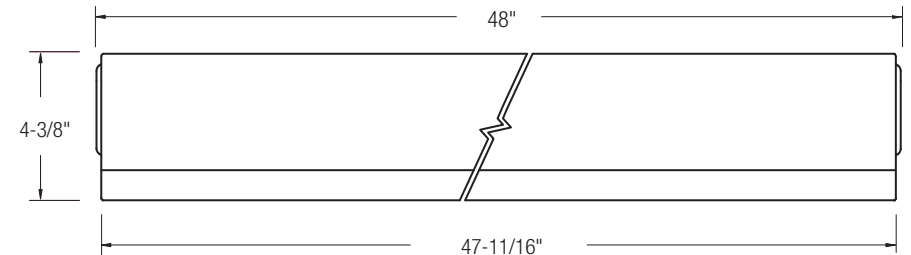
Upgrades & Accessories

Please indicate with check mark.

- ☐ Lamps Included
- ☐ Job Pack
- ☐ Response Daylight
  For details visit www.ledalite.com/response

- ☐ 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"

PHILIPS
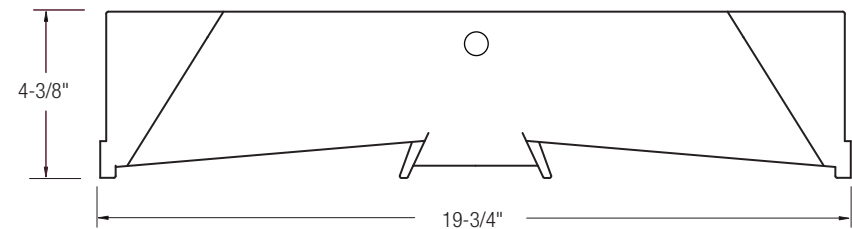
Vectra

Recessed
20"x4'
1 T5HO
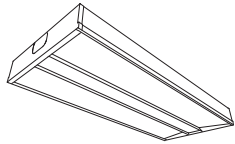
Photometry

Report Summary

Report #	9901395	**Spacing Criteria**	1.3 @ 0° along
Filename	9754D1H154.ies		1.37 @ 90° across
Efficiency	85.4%		

Candela Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	1469	1469	1469	1469	1469	
5	1463	1469	1483	1494	1504	144
15	1425	1462	1543	1613	1653	437
25	1348	1436	1580	1675	1684	712
35	1221	1308	1364	1361	1294	825
45	1003	1020	962	946	903	744
55	677	648	604	603	560	553
65	350	356	336	346	334	345
75	117	151	155	169	158	168
85	16	31	37	48	37	44
90	0	0	0	0	0	

1800 cd

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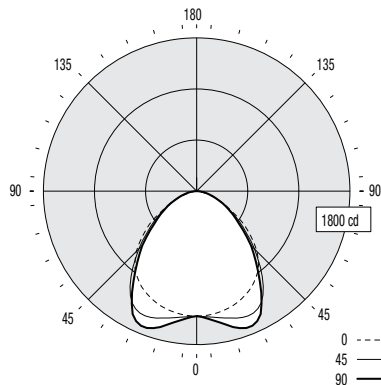
Coefficients of Utilization (%)

Ceiling:	80				70			50			0
Wall:	70	50	30	10	70	50	30	50	30	10	0
0 RCR	101	101	101	101	99	99	99	95	95	95	85
1	94	90	87	84	91	88	85	84	82	80	73
2	86	80	74	70	84	78	73	75	71	67	63
3	79	71	64	59	77	69	63	67	62	58	54
4	73	63	56	51	71	62	55	60	54	50	47
5	67	57	50	44	65	56	49	54	48	43	41
6	62	51	44	39	60	50	44	49	43	38	36
7	58	47	39	34	56	46	39	45	39	34	32
8	54	43	36	31	52	42	35	41	35	31	29
9	50	39	32	28	49	39	32	38	32	28	26
10	47	36	30	25	46	36	29	35	29	25	23

Based on a floor reflectance of 0.2

Avg. Luminance (cd/m²)

Vertical Angle	Horizontal Angle		
	0	45	90
55	2064	1841	1707
65	1448	1390	1382
75	790	1047	1067
85	321	742	742

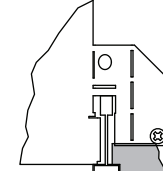IES files for this and other photometric options can be downloaded online at www.ledalite.com

Additional Information

Mounting

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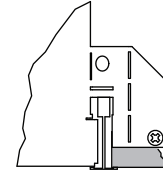
Works with 9/16" and 15/16" flat T-grid ceilings.

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).
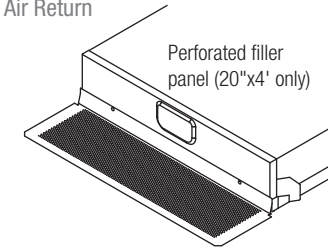
Flat T-Grid

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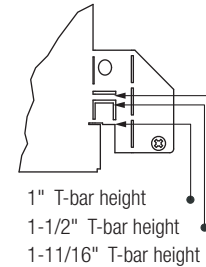
1" T-bar height
1-1/2" T-bar height
1-11/16" T-bar height

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.