Vectra (LED) 1′x4′

Recessed

1'x4'

LED 4000K; 4400 lm

mesoOptics **RESPONSE** **air**wave **LED**LOGIQ

5 FIXTURE + LED + DRIVER / SYSTEM WARRANTY / YEARS

Project Name

Spec Type

Notes

Order Guide

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

| 9714			L	A	44				E
Product Type & Size	Version	Configuration	Light Source	Color Temp	Lumens*	Housing	Wiring	Voltage	Driver
Vectra 1'x4'	**D1** Standard T-Grid	**ST** Standalone	**L** LED	**A** 4000K	**44** 4400 lm	**S** Standard	**1** 1 cct	**1** 120V	**E** Standard
	D2 Tegular/Slot T-Grid	**CR** Continuous				**C** Chicago	**5** 1 cct w/battery pack	**2** 277V	
							7 1 cct dimming		
					*Nominal Values		Consult website for complete list of standard wiring options		Consult website for driver manufacturer information

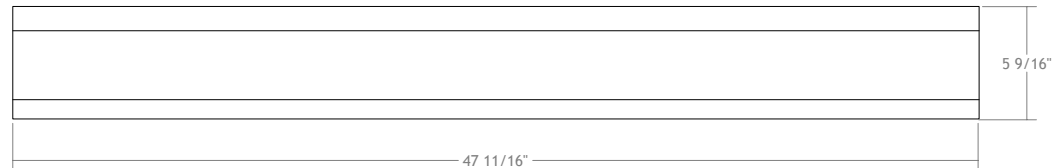## Upgrades & Accessories

Please indicate with check mark.

☐ Drywall Kit

Can be mounted to wood frame or with hanger wire

Wood Frame   Hanger Wire
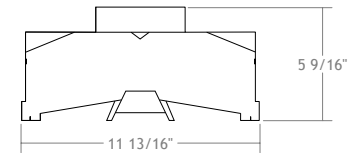
Integrated Controls

☐ Response Daylight Sensor
For details visit ledalite.com/response

Cross Section

5 9/16"

11 13/16"

Side View

5 9/16"

47 11/16"

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Photometry   Flat Acrylic MesoOptics Lens

Report Summary

Efficiency*	100%	**Report No.**	ITL70667	**Filename**	9714DxxxLA44.ies
Efficacy	81.6 lm/W	**CRI**	83	**Testing Voltage**	120V
Total Lumens	4495 lm	**R9**	24	**Power Factor**	0.99

*IESNA LM-79-08 specifies the entire luminaire as the source resulting in a fixture efficiency of 100%.

1800 cd

0.0% Up / 100.0% Down

0 -----
45 ——
90 ——
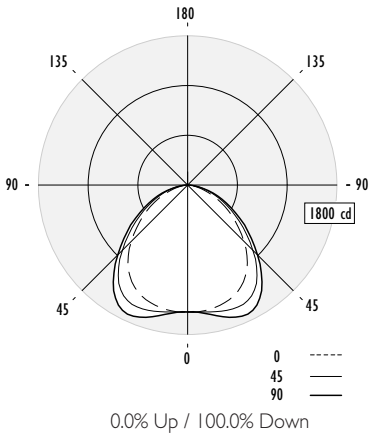
Candela Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	1531	1531	1531	1531	1531	
5	1534	1535	1538	1537	1541	147
15	1502	1523	1575	1619	1644	446
25	1422	1479	1588	1680	1718	726
35	1247	1324	1448	1529	1556	886
45	957	1018	1111	1173	1191	846
55	660	695	761	822	839	677
65	388	419	468	510	516	460
75	167	203	239	262	257	242
85	31	54	59	61	58	64
90	0	0	0	0	0	
95	0	0	0	0	0	0
105	0	0	0	0	0	0
115	0	0	0	0	0	0
125	0	0	0	0	0	0
135	0	0	0	0	0	0
145	0	0	0	0	0	0
155	0	0	0	0	0	0
165	0	0	0	0	0	0
175	0	0	0	0	0	0
180	0	0	0	0	0	

Avg. Luminance (cd/m²)

Vertical Angle	Horizontal Angle		
	0	45	90
55	3964	4571	5040
65	3163	3815	4207
75	2223	3181	3421
85	1225	2332	2293

Fixture photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08.

Lumen maintenance of the LEDs used in this fixture has been tested by the LED manufacturer in accordance with IESNA LM-80-08.

LED lighting facts®
A Program of the U.S. DOE

Philips Ledalite

Light Output (Lumens)	**4495**
Watts	**55.1**
Lumens per Watt (Efficacy)	**82**
Color Accuracy Color Rendering Index (CRI)	**83**

Light Color Correlated Color Temperature (CCT)   **4000 (Bright White)**

Warm White	Bright White	Daylight
2700K	3000K	4500K	6500K

Coefficients of Utilization (%)

Ceiling:	80				70			50			0
Wall:	70	50	30	10	70	50	30	50	30	10	0
RCR											
0	119	119	119	119	116	116	116	111	111	111	100
1	109	105	101	97	107	103	99	98	95	93	85
2	100	92	86	80	97	90	84	87	82	77	72
3	91	81	73	67	89	80	72	77	71	65	61
4	84	72	64	57	82	71	63	69	62	56	53
5	77	65	56	50	75	64	55	62	54	49	46
6	71	58	50	43	70	57	49	56	48	43	40
7	66	53	44	38	65	52	44	51	43	38	36
8	62	48	40	34	60	48	40	46	39	34	32
9	58	44	36	31	56	44	36	43	36	31	29
10	54	41	33	28	53	40	33	39	33	28	26

Based on a floor reflectance of 0.2

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

Mounting

All recessed LED products feature integrated mounting tabs that can be field-adjusted to various T-bar ceiling heights. Fixtures can be fastened directly to the T-bar grid and/or tied-off to the building structure.
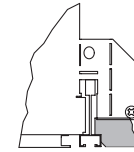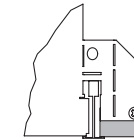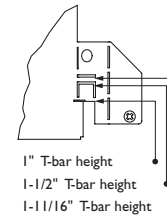
D1 Standard T-Grid
Option D1 works with 9/16" and 15/16" flat T-grid ceilings. It can also be used with slot T-grid ceilings, but it will not sit flush with the bottom of the T-bar.

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

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

Specifications   Due to continuing product improvements, Philips Ledalite reserves the right to change specifications without notice.

Housing
Die-formed, post-painted, 22 gauge cold-rolled steel. Multiple wire entrances are available (top or side) to allow continuous row mounting of fixtures. Optional frame restraint is available to provide additional safety support to the optical frame.

Optical System
The optical frame assembly consists of an acrylic panel with a layer of protected MesoOptics film which efficiently provides a luminous, controlled, low glare batwing distribution. 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.

Weight
Maximum 25lb.

Electrical
Factory pre-wired to section ends with quick-wire connectors.

Driver
Dimming: 0-10V - 10-100%. Power factor: greater than 98% (120V) and greater than 85% (277V). Output is Class 2 rated.

Wiring
Optional flex whips are supplied in 6' lengths.

Approvals
Certified to UL, IES & CSA Standards. City of Chicago Approved CCEA (housing option C). Type IC Rated

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

Environment
Rated for dry or damp locations in operating ambient temperatures of 0-40°C (32-104°F).

PHILIPS