Vectra (LED) 2′x2′

Recessed

2'x2'

LED 3500K; 4400 lm

mesoOptics **RESPONSE** **airwave** **LEDLOGIQ**

Project Name

Spec Type

Notes

Order Guide

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

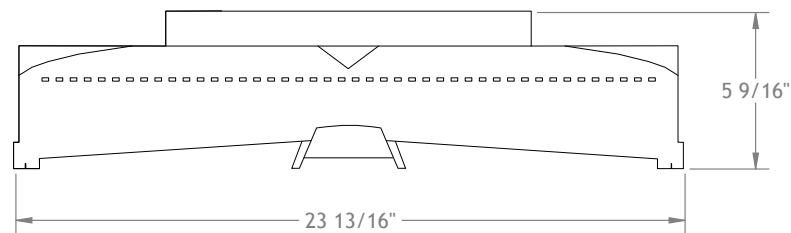| 9722			L	B	44				E
Product Type & Size	**Version**	**Configuration**	**Light Source**	**Color Temp**	**Lumens***	**Housing**	**Wiring**	**Voltage**	**Driver**
Vectra 2'x2'	D1 Standard T-Grid	ST Standalone	L LED	B 3500K	44 4400 lm	S Standard	1 1 cct	1 120V	E Standard
	D2 Tegular/Slot T-Grid	CR Continuous				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
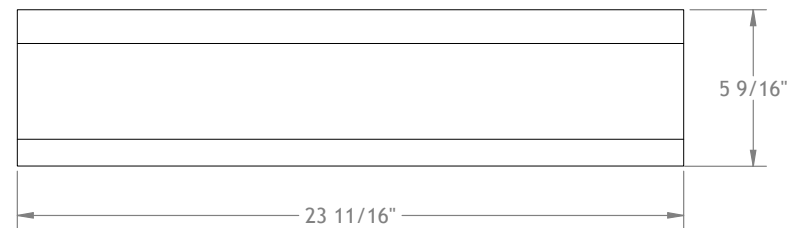
Please indicate with check mark.

☐ Drywall Kit

Can be mounted to wood frame or with hanger wire

Not available in continuous row

Wood Frame   Hanger Wire

Integrated Controls

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

Cross Section

5 9/16"

23 13/16"

Side View

5 9/16"

23 11/16"

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Photometry — Flat Acrylic MesoOptics Lens

Report Summary

Efficiency*	100%	**Report No.**	ITL70663	**Filename**	9722DxxxLB44.ies
Efficacy	83.3 lm/W	**CRI**	83	**Testing Voltage**	120V
Total Lumens	4608 lm	**R9**	22	**Power Factor**	.99

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

180 / 135 / 135 / 90 / 90 / 45 / 45 / 0 / 0

1700 cd

0	-----
45	
90	——

0.0% Up / 100.0% Down
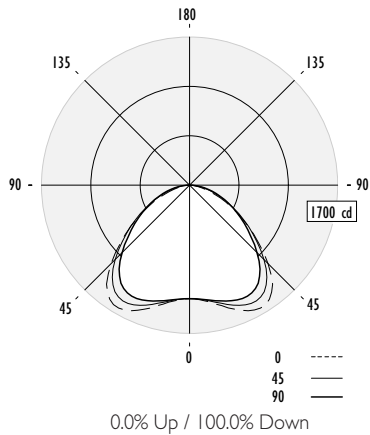
Candela Distribution

Vertical Angle	Horizontal Angle 0	22.5	45	67.5	90	Zonal Lumens
0	1303	1303	1303	1303	1303	
5	1320	1315	1316	1312	1313	127
15	1432	1424	1403	1384	1375	400
25	1591	1566	1516	1458	1436	699
35	1598	1572	1494	1408	1374	925
45	1273	1259	1207	1132	1093	920
55	825	835	827	796	768	728
65	458	474	493	499	492	485
75	187	212	241	263	268	253
85	37	53	66	75	75	72
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	4605	4616	4287
65	3470	3735	3727
75	2313	2981	3315
85	1359	2425	2755

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

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	100	97	106	102	99	98	95	92	85
2	100	92	85	79	97	90	84	86	81	77	71
3	91	81	73	66	88	79	72	76	70	64	60
4	83	71	63	56	81	70	62	68	61	55	51
5	76	64	55	48	74	63	54	61	53	47	44
6	71	57	48	42	69	56	48	55	47	41	39
7	65	52	43	37	64	51	43	49	42	37	34
8	61	47	39	33	59	46	38	45	38	32	30
9	57	43	35	29	55	43	35	41	34	29	27
10	53	40	32	26	52	39	32	38	31	26	24

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.
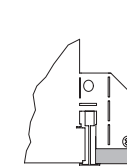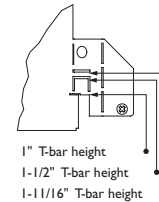
D1 Standard T-Grid
Option D1 works with 9/16" and 15/16" flat T-grid ceilings. It can also be used with slot T-grid ceilings, but it will not sit flush with the bottom of the T-bar.
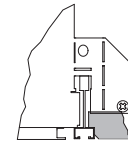
D2 Slot T-Grid
Option D2 is designed to sit flush with slot T-grid ceilings and some tegular tile ceiling types.

1" T-bar height
1-1/2" T-bar height
1-11/16" T-bar height
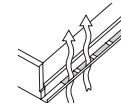
AIR RETURN
Air return is available with the ArcForm 2'x2' option.
Side rails are finished in black.

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 3-dimensional 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).

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