Vectra (LED) 2′x2′

Recessed

2'x2'

LED 4000K; 3600 lm

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

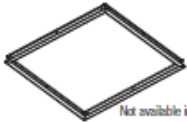**5 YEARS** SYSTEM WARRANTY FIXTURE • LED • DRIVER

Project Name

Spec Type

Notes

Order Guide

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

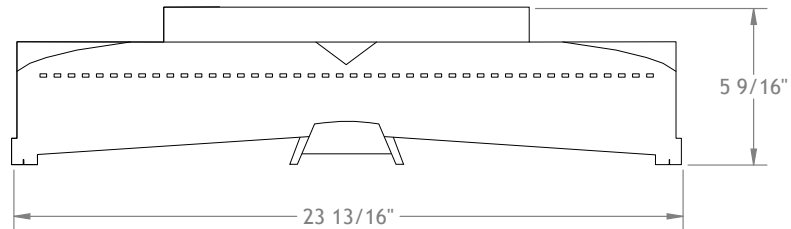| 9722			L	A	36				E
Product Type & Size	Version	Configuration	Light Source	Color Temp	Lumens*	Housing	Wiring	Voltage	Driver
Vectra 2'x2'	**D1** Standard T-Grid	**ST** Standalone	**L** LED	**A** 4000K	**36** 3600 lm	**S** Standard	**1** 1 cct	**1** 120V	**E** Standard
	D2 Tegular/Slot T-Grid	**CR** Continuous				**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"

PHILIPS

LEDALITE

Vectra (LED) 2′x2′

Photometry — Flat Acrylic MesoOptics Lens

Report Summary

Efficiency*	100%	**Report No.**	ITL70662	**Filename**	9722DxxxLA36.ies
Efficacy	86.0 lm/W	**CRI**	83	**Testing Voltage**	120V
Total Lumens	3705 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%.

1400 cd

0.0% Up / 100.0% Down

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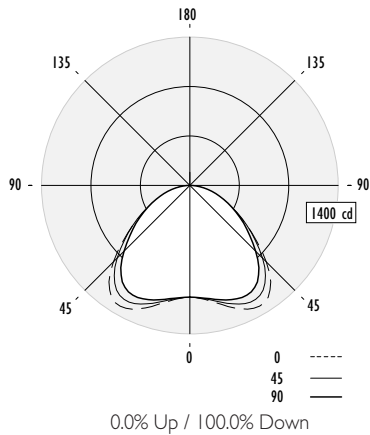
Candela Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	1054	1054	1054	1054	1054	
5	1070	1067	1067	1063	1064	103
15	1163	1157	1141	1123	1117	325
25	1289	1270	1231	1185	1167	567
35	1289	1268	1206	1139	1112	747
45	1020	1008	970	905	878	738
55	659	664	657	636	620	582
65	364	378	394	400	396	386
75	148	169	193	211	215	201
85	28	41	53	60	60	57
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	3679	3667	3461
65	2758	2985	3000
75	1831	2387	2660
85	1029	1947	2204

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
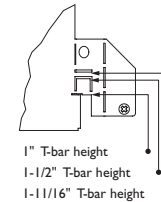
Coefficients of Utilization (%)

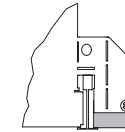| Ceiling:	80				70			50			0
Wall:	70	50	30	10	70	50	30	50	30	10	0
RCR											
0	119	119	119	119	116	116	116	111	111	111	100
1	109	105	101	97	107	102	99	98	95	92	85
2	100	92	85	79	97	90	84	86	81	77	71
3	91	81	73	66	89	79	72	76	70	65	60
4	83	72	63	56	81	70	62	68	61	55	52
5	77	64	55	48	74	63	54	61	53	48	45
6	71	57	49	42	69	56	48	55	47	42	39
7	65	52	43	37	64	51	43	50	42	37	34
8	61	47	39	33	59	47	39	45	38	33	30
9	57	43	35	30	55	43	35	42	34	29	27
10	53	40	32	27	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.
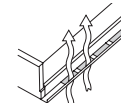

D1 Standard T-Grid
Option D1 works with 9/16" and 15/16" flat T-grid ceilings. It can also be used with slot T-grid ceilings, but it will not sit flush with the bottom of the T-bar.
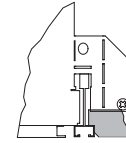
D2 Slot T-Grid
Option D2 is designed to sit flush with slot T-grid ceilings and some tegular tile ceiling types.

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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