Vectra (LED) 2′x2′

Recessed

2'x2'

LED 4000K; 4400 lm

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

Project Name

Spec Type

Notes

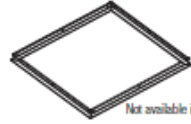## Order Guide

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

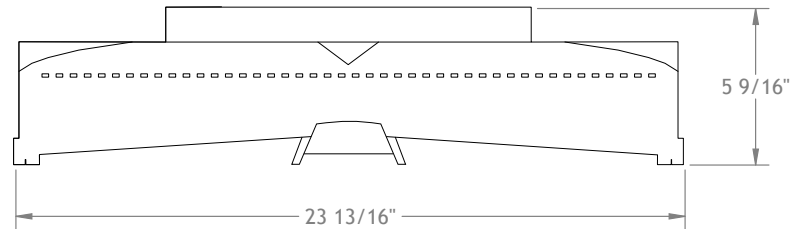| 9722			L	A	44				E
Product Type & Size	Version	Configuration	Light Source	Color Temp	Lumens*	Housing	Wiring	Voltage	Driver
Vectra 2'x2'	**D1** Standard T-Grid	**ST** Standalone	**L** LED	**A** 4000K	**44** 4400 lm	**S** Standard	**1** 1 cct	**1** 120V	**E** Standard
	D2 Tegular/Slot T-Grid	**CR** Continuous				**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

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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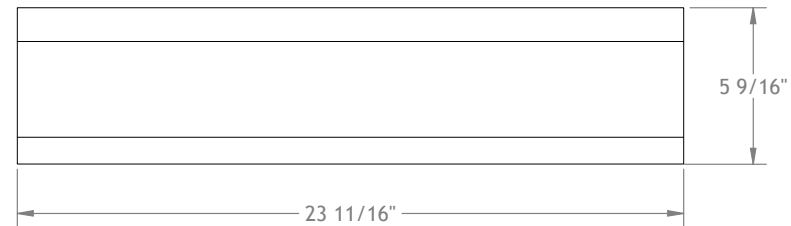
Vectra (LED) 2'x2'

Recessed • 2'x2' • LED 4000K; 4400 lm

Photometry — Flat Acrylic MesoOptics Lens

Report Summary

Efficiency*	100%	**Report No.**	ITL70661	**Filename**	9722DxxxLA44.ies
Efficacy	83.0 lm/W	**CRI**	83	**Testing Voltage**	120V
Total Lumens	4571 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%.

180
135   135
90   90
1700 cd
45   45
0   0   -----
      45   ——
      90   ——

0.0% Up / 100.0% Down
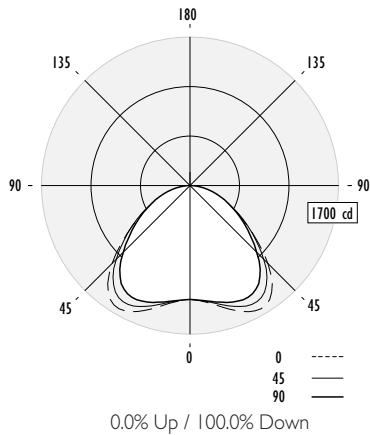
Candela Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	1304	1304	1304	1304	1304	
5	1324	1320	1320	1316	1318	127
15	1442	1432	1412	1392	1382	402
25	1594	1571	1523	1465	1443	701
35	1592	1568	1489	1405	1373	922
45	1261	1246	1193	1117	1079	910
55	808	822	810	784	757	716
65	444	466	484	492	481	476
75	185	208	238	260	264	247
85	33	50	64	71	72	69
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	4510	4521	4226
65	3364	3667	3644
75	2289	2944	3266
85	1212	2351	2645

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
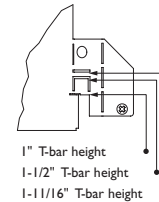
Philips Ledalite

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

Light Output (Lumens)	**4571**
Watts	**55.1**
Lumens per Watt (Efficacy)	**83**
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

All results are according to IESNA LM-79-2008: *Approved Method for the Electrical and Photometric Testing of Solid-State Lighting.* The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: F46Z-VCEQCA (2/7/2012)
Model Number: 9*22D***LA44
Type: Surface-mounted or recessed troffers

Coefficients of Utilization (%)

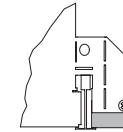| Ceiling:	80				70			50			0
Wall:	70	50	30	10	70	50	30	50	30	10	0
RCR											
0	119	119	119	119	116	116	116	111	111	111	100
1	109	105	101	97	107	102	99	98	95	92	85
2	100	92	85	80	97	90	84	86	81	77	71
3	91	81	73	66	89	79	72	76	70	65	60
4	83	72	63	56	81	70	62	68	61	55	52
5	77	64	55	49	75	63	54	61	53	48	45
6	71	57	49	42	69	57	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.
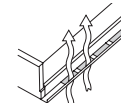
D1 Standard T-Grid
Option D1 works with 9/16" and 15/16" flat T-grid ceilings. It can also be used with slot T-grid ceilings, but it will not sit flush with the bottom of the T-bar.
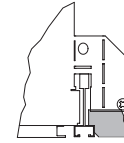
D2 Slot T-Grid
Option D2 is designed to sit flush with slot T-grid ceilings and some tegular tile ceiling types.

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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