



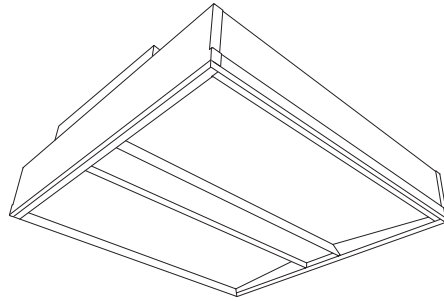


# Vectra (LED) 2'x2'

Recessed
2'x2'
LED 3000K; 4400 lm
   



Project Name	<input type="text"/>
Spec Type	<input type="text"/>
Notes	<input type="text"/>

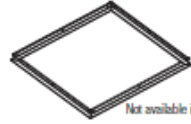


## Order Guide

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

<b>9722</b>			<b>L</b>	<b>C</b>	<b>44</b>				<b>E</b>
Product Type & Size Vectra 2'x2'	Version D1 Standard T-Grid D2 Tegral/Slot T-Grid	Configuration ST Standalone CR Continuous	Light Source L LED	Color Temp C 3000K	Lumens* 44 4400 lm	Housing S Standard C Chicago	Wiring 1 1 cct 5 1 cct w/battery pack 7 1 cct dimming	Voltage 1 120V 2 277V	Driver E Standard
					*Nominal Values		Consult website for complete list of standard wiring options		Consult website for driver manufacturer information

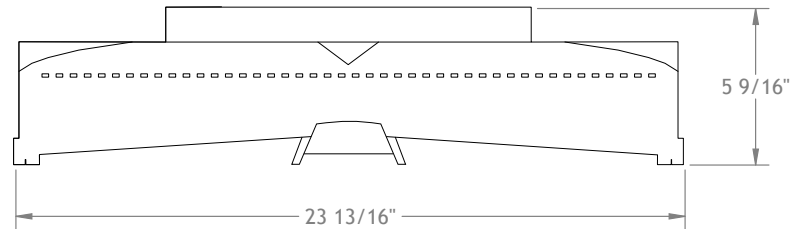
## Upgrades & Accessories

Please indicate with check mark.

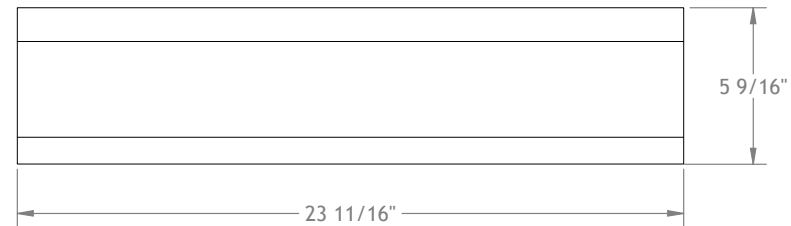
<input type="checkbox"/> Drywall Kit	 <p>Can be mounted to wood frame or with hanger wire</p>   <p>Not available in continuous row</p>
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## Integrated Controls

<input type="checkbox"/> Response Daylight Sensor For details visit <a href="http://ledalite.com/response">ledalite.com/response</a>
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Cross Section



Side View



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Recessed • 2'x2' • LED 3000K; 4400 lm

## Photometry Flat Acrylic MesoOptics Lens

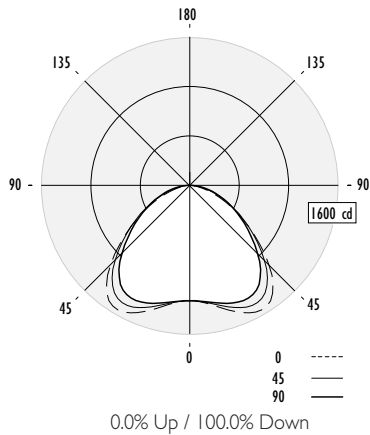
### Report Summary

**Efficiency\*** 100%  
**Efficacy** 79.2 lm/W  
**Total Lumens** 4358 lm

**Report No.** ITL70665  
**CRI** 83  
**R9** 20

**Filename** 9722DxxxLC44.ies  
**Testing Voltage** 120V  
**Power Factor** 0.99

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



### Candela Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	1245	1245	1245	1245	1245	
5	1261	1259	1258	1255	1255	121
15	1374	1364	1345	1325	1316	383
25	1518	1496	1450	1393	1372	667
35	1521	1492	1417	1337	1305	878
45	1204	1189	1136	1063	1031	868
55	776	781	774	744	724	684
65	428	444	462	465	463	454
75	176	198	224	245	252	236
85	33	48	63	69	71	67
90	0	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	0

### Avg. Luminance (cd/m<sup>2</sup>)

Vertical Angle	Horizontal Angle		
	0	45	90
55	4332	4320	4041
65	3242	3500	3508
75	2177	2771	3117
85	1212	2314	2608

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 (%)

RCR	Ceiling: 80				70				50				0			
	70	50	30	10	70	50	30	10	50	30	10	0	50	30	10	0
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	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](http://ledalite.com)

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

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**Light Output (Lumens)** 4358  
**Watts** 55  
**Lumens per Watt (Efficacy)** 79

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**Color Accuracy** 83  
Color Rendering Index (CRI)

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**Light Color** 3000 (Bright White)  
Correlated Color Temperature (CCT)

2700K 3000K 4500K 6500K

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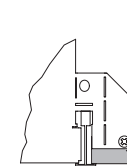
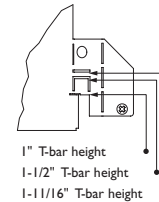
All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit [www.lightingfacts.com](http://www.lightingfacts.com) for the Label Reference Guide.

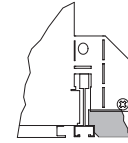
Registration Number: F46Z-W1LKSX (2/7/2012)  
 Model Number: 9\*22D\*\*\*LC44  
 Type: Surface-mounted or recessed troffers

## Mounting

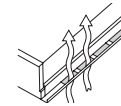
All recessed LED products feature integrated mounting tabs that can be field-adjusted to various T-bar ceiling heights. Fixtures can be fastened directly to the T-bar grid and/or tied-off to the building structure.



**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 regular tile ceiling types.



### 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).

