

Unlock your vision

VERSAFORM
2'X2' LED



DIRECT, BEAM SHAPING LIGHT GUIDE WITH STEPPED DIFFUSER
2'x2', 4000 lm 3500K

Project: _____

Spec Type: _____

Catalog No: 4122DxxxL8BD

Qty _____

Line Notes: _____



Ordering guide

Product Type	Version	Configuration	Light Source *	CRI/CCT	Lumens *	Housing	Wiring †	Voltage	Driver
<input type="checkbox"/> 4122	<input type="checkbox"/>	<input type="checkbox"/> ST	<input type="checkbox"/> L	<input type="checkbox"/>	<input type="checkbox"/> D	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
VersaForm 2'x2' LED	D1 Standard T Grid D2 Slot T Grid A1 Air Return on Standard T Grid A2 Air Return on Slot T Grid S1 Discrete Surface Mount	ST Standalone	L LED	8C CRI 80 3000K 8B CRI 80 3500K 8A CRI 80 4000K 9B CRI 90 3500K	E 3000 lm D 4000 lm	S Standard C Chicago Plenum	1 1 cct 5 1 cct + EM Batt. Pack 7 1 cct Dimming N 1 cct Dimming + EM Batt. Pack T 1 cct Step Dimming	1 120V 2 277V 3 347V	E Philips Advance

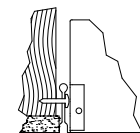
* Nominal values within a range. Consult photometry data for exact color temp, lumens & distribution.

† Not all wiring types are available with all configurations. Consult Philips Ledalite for a complete list of available options.

Upgrades & Accessories Please indicate with check mark.

Drywall Kit Trim Mount

Flex Whip



Drywall Kit
Trim mount detail



Wood Frame
Can be mounted to wood frame or with hanger wire



Hanger Wire

Integrated Controls Please indicate with check mark.

Response Daylight Sensor Single Zone (DS)

Philips Actilume Occupancy Sensor (DO) (includes field commissionable daylight sensor)

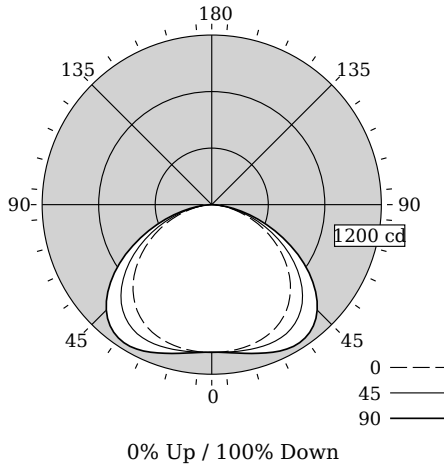


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Photometry



Total Output	3663 lm
Efficacy	101.5 lm/W
CCT	3348K
CRI	82
Distribution	0% Up / 100% Down
Spacing Criteria (0/90°)	1.36/1.63

Fixture photometry has been conducted in accordance with IESNA LM-79-08

IES files for this and other photometric options can be downloaded online at www.lightingproducts.philips.com

Candela Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	1045	1045	1045	1045	1045	0
5	1045	1046	1048	1049	1050	100
15	1031	1040	1060	1080	1090	301
25	996	1016	1065	1119	1143	493
35	918	949	1026	1113	1152	644
45	787	819	908	1007	1055	703
55	605	633	710	796	841	638
65	403	421	470	529	556	470
75	203	212	234	262	277	252
85	46	48	50	55	59	62
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

Coefficients of Utilization (%)

RCR	Ceiling Wall	80				70				50				0			
		70	50	30	10	70	50	30	10	50	30	10	0	30	10	0	
0		119	119	119	119	116	116	116	111	111	111	111	111	111	111	100	
1		109	104	99	96	106	101	98	97	94	91	88	85	83	83	83	
2		98	90	83	77	96	88	82	85	79	75	69	67	62	58	58	
3		89	79	70	64	87	77	69	74	67	62	58	58	52	49	49	
4		82	69	60	53	79	68	60	65	58	52	49	49	42	42	42	
5		75	62	52	46	73	61	52	58	51	45	42	42	36	36	36	
6		69	55	46	40	67	54	46	52	45	39	36	36	30	30	30	
7		64	50	41	35	62	49	41	48	40	34	32	32	28	28	28	
8		59	45	37	31	58	45	36	43	36	30	28	28	24	24	24	
9		55	41	33	27	54	41	33	40	32	27	25	25	22	22	22	
10		52	38	30	25	50	38	30	37	29	24	22	22	20	20	20	

Avg. Luminance (cd/m2)

Vertical Angle	Horizontal Angle		
	0	45	90
55	3426	4022	4760
65	3100	3610	4275
75	2547	2940	3474
85	1727	1867	2194

Philips Ledalite

Light Output (Lumens) **3663**

Watts **36.1**

Lumens per Watt (Efficacy) **101**

Color Accuracy
Color Rendering Index (CRI) **82**

Light Color
Correlated Color Temperature (CCT) **3348 (Bright White)**

Warm White Bright White Daylight

2700K 3000K 4500K 6500K

Warranty** **Yes**

All results, except LED Lumen Maintenance, 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.

** See www.lightingfacts.com/products for details.

Registration Number: F46Z-4YR8D2 (7/11/2014)
Model Number: 4x22xxxxL8BD
Type: Luminaire - Troffer/Grid Ceiling

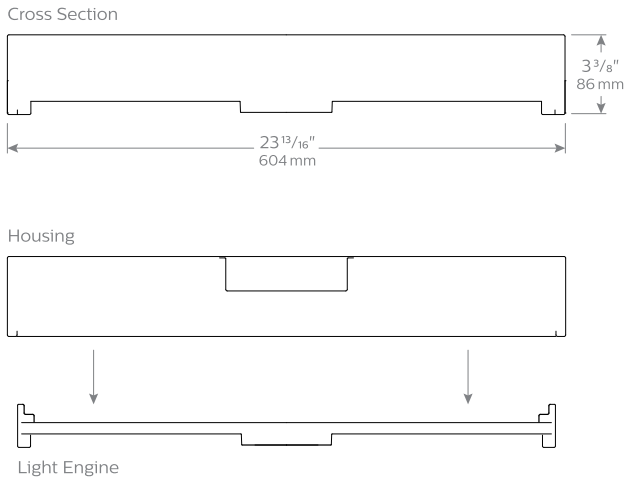
Electrical Specifications

Input Voltage	120V	277V
Input Power	36.1W	35.9W
Input Current	0.31A	0.14A
Power Factor	0.986	0.906
Total Harm. Distortion	14.3%	18.5%
Tested values – contact technical support for rated values. Off-state power zero unless certain controls are specified.		

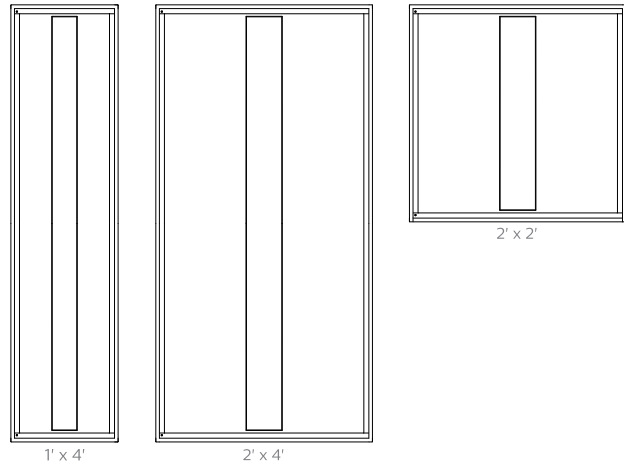
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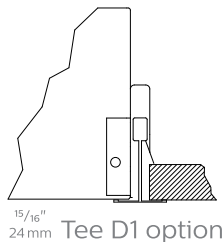
Options and Details



Lens View

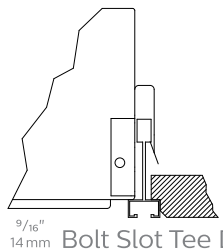


Mounting



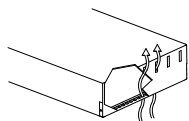
D1 Standard T-Grid

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 close to flush with slot T-grid ceilings and some tegular tile ceiling types.



Air Return

Air return is available with the VersaForm 2'x2' & 2'x4' options. Vent area is finished in black.

Housing

Die-formed, post painted, 22 gauge cold-rolled steel. Wire entrance with additional knock-out available on top side for electrical connections.

Weight

Maximum: 2x2 = 24lb, 1x4 = 28lb, 2x4 = 38lb

Optical System

The optical frame assembly consists of integrated LED arrays edgelighting a light guide panel in order to deliver uniform controlled light through a lower lens. 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 (side marked) to allow easy access to the inside of the fixture. Maintenance can be performed from below the ceiling.

Standard Driver

0-10V Dimming – 5-100%. Output is class 2 rated, contact factory for other options.

Lumen Maintenance

At an ambient temperature of 25°C, the LED lumen maintenance expectation is $L_{70}(9k) > 54$ kh. Reported according to IES TM-21 Addendum A methodology (9k LM-80 test duration)

Mounting

Recessed: Fixtures can be fastened directly to the T-bar grid and/or tied-off to the building structure. **Surface:** Fixtures can be mounted over recessed junction box and side entry also available.

Electrical

Factory pre-wired with driver safety disconnect.

Wiring

Recessed: Optional flex whips are supplied in 6' lengths. **Surface:** Standard wiring configurations available.

Approvals

Certified to UL, CSA, DLC & IES Standards. City of Chicago Approved CCEA (housing option C).

Finish

Housing and Frame painted, high quality, powder coated matte white only.

Environment

Rated for dry & damp locations in operating in ambient temperatures of 25°C. Certain luminaire components may be adversely affected by contaminants. Damage caused by sulfur, chlorine, petroleum based solutions or other contaminants are not covered under warranty.

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



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