

Unlock your vision

VERSAFORM
2'X2' LED PoE



DIRECT, BEAM SHAPING LIGHT GUIDE WITH STEPPED
DIFFUSER
CRI >80 4000K, 2300 lm

Project:

Spec Type:

Catalog No: 4122DxxxP8AG

Qty

Line Notes:

Ordering guide

Product Type	Version	Configuration	Light Source *	CRI/CCT	Lumens *	Housing	Wiring	Voltage	Driver
<input type="text" value="4122"/>	<input type="text"/>	<input type="text" value="ST"/>	<input type="text" value="P"/>	<input type="text" value="8A"/>	<input type="text" value="G"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
VersaForm 2'x2' LED PoE	D1 Standard T Grid D2 Slot T Grid	ST Standalone	P LED PoE	8C CRI 80 3000K 8B CRI 80 3500K 8A CRI 80 4000K	G 2300 lm	S Standard (22ga.)	7 1 cct w/ Dimming	N Not applicable (Class 2)	E Standard



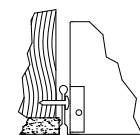
ACTILUME



* Nominal values within a range. Consult ies file for exact color temp, lumens and up/down distribution

Upgrades & Accessories Please indicate with check mark.

☐ Drywall Kit Trim Mount



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.

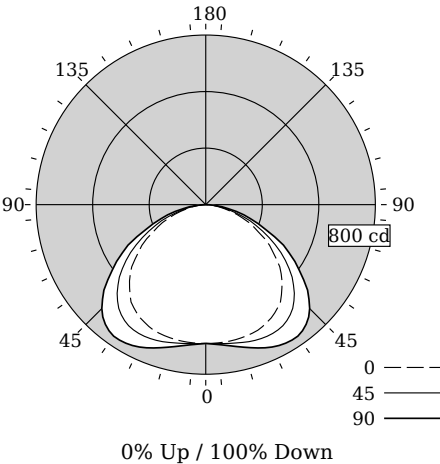
☐ Philips Actilume
Daylight and
Occupancy Sensor
(DO)



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Photometry



Total Output	2383 lm
Efficacy	111.4 lm/W
CCT	3900K
CRI	82
R9	11
Distribution	0% Up / 100% Down
Spacing Criteria (0/90°)	1.39/1.69

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

Lumen maintenance of the LEDs has been tested by the manufacturer in accordance with IESNA LM-80-08

Candela Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	655	655	655	655	655	0
5	655	656	658	661	662	63
15	650	657	673	687	696	191
25	634	650	685	722	741	317
35	592	617	667	730	757	420
45	509	545	591	669	693	462
55	385	417	459	528	538	418
65	251	271	296	351	358	304
75	123	138	142	175	186	164
85	29	32	32	49	48	44
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			
		70	50	30	10	70	50	30	10	50	30	10	10
0		119	119	119	119	116	116	116	111	111	111	111	111
1		109	104	99	95	106	101	97	97	94	94	91	91
2		98	90	83	77	96	88	82	84	79	74	74	74
3		89	79	70	63	87	77	69	74	67	62	62	62
4		82	69	60	53	79	68	59	65	58	52	52	52
5		75	62	52	45	73	60	52	58	51	45	45	45
6		69	55	46	39	67	54	45	52	45	39	39	39
7		64	50	41	34	62	49	40	47	40	34	34	34
8		59	45	36	30	57	44	36	43	36	30	30	30
9		55	41	33	27	54	41	33	39	32	27	27	27
10		51	38	30	24	50	37	30	36	29	24	24	24

Avg. Luminance (cd/m2)

Vertical Angle	Horizontal Angle		
	0	45	90
55	1863	2217	2601
65	1645	1945	2350
75	1318	1526	1996
85	918	1029	1515

Electrical Specifications

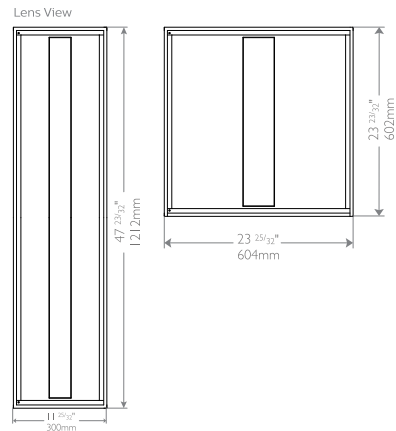
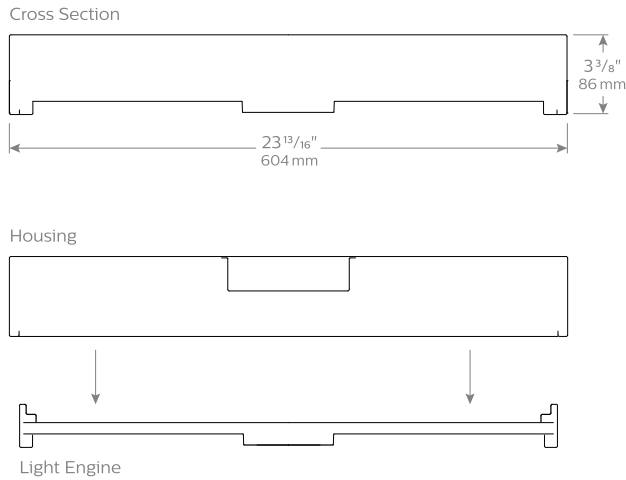
Input Voltage	PoE (51-54VDC)
Input Power	21.4W
Tested values – contact technical support for rated values. Standby power <0.9W	

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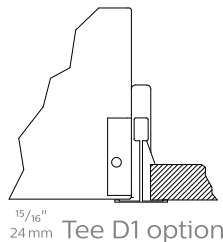
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Options and Details

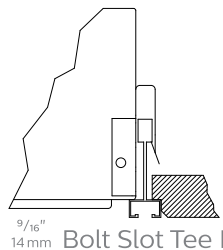


Mounting



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 regular tile ceiling types.

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.

Driver

Philips PoE Lighting Controller.

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

Fixtures can be fastened directly to the T-bar grid and/or tied-off to the building structure.

Electrical

Wire Access Cover provides RJ45 connection point for PoE network.

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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