

Unlock your vision

VERSAFORM
2'X2' LED PoE



DIRECT, BEAM SHAPING LIGHT GUIDE WITH STEPPED DIFFUSER
CRI >80 3500K, 2300 lm

Project: _____

Spec Type: _____

Catalog No: 4122DxxxP8BG

Qty _____

Line Notes: _____



ACTILUME



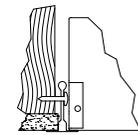
Ordering guide

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"/> P	<input type="checkbox"/> 8B	<input type="checkbox"/> G	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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

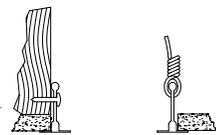
* Nominal values within a range. Consult ies file for exact color temp, lumens and up/down distribution

Upgrades & Accessories Please indicate with check mark.

Drywall Kit Trim Mount



Drywall Kit
Trim mount detail



Wood Frame **Hanger Wire**
Can be mounted to wood frame or with hanger wire.

Integrated Controls Please indicate with check mark.

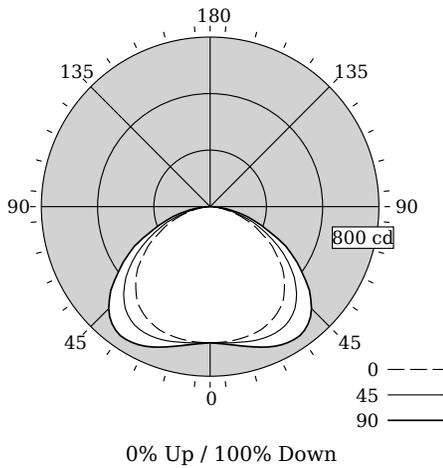
Philips Actilume Daylight and Occupancy Sensor (DO)



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Photometry



Total Output	2337 lm
Efficacy	109.2 lm/W
CCT	3348K
CRI	82
R9	6
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	642	642	642	642	642	0
5	642	643	645	648	649	62
15	638	644	660	674	683	187
25	622	638	672	708	727	311
35	581	605	654	716	743	412
45	499	534	580	656	680	453
55	378	409	450	518	528	410
65	246	266	291	344	351	298
75	121	135	140	172	183	161
85	28	31	32	48	47	43
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:									
	70		80		70		50		50	
	70	50	30	10	70	50	30	50	30	10
0	119	119	119	119	116	116	116	111	111	111
1	109	104	99	95	106	101	97	97	94	91
2	98	90	83	77	96	88	82	84	79	74
3	89	79	70	63	87	77	69	74	67	62
4	82	69	60	53	79	68	59	65	58	52
5	75	62	52	45	73	60	52	58	51	45
6	69	55	46	39	67	54	45	52	45	39
7	64	50	41	34	62	49	40	47	40	34
8	59	45	36	30	57	44	36	43	36	30
9	55	41	33	27	54	41	33	39	32	27
10	51	38	30	24	50	37	30	36	29	24

Avg. Luminance (cd/m²)

Vertical Angle	Horizontal Angle		
	0	45	90
55	1826	2174	2550
65	1613	1906	2304
75	1292	1497	1957
85	900	1008	1486

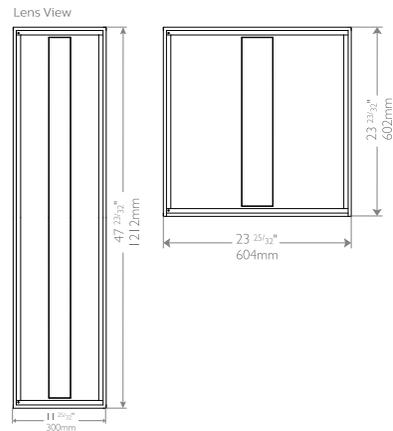
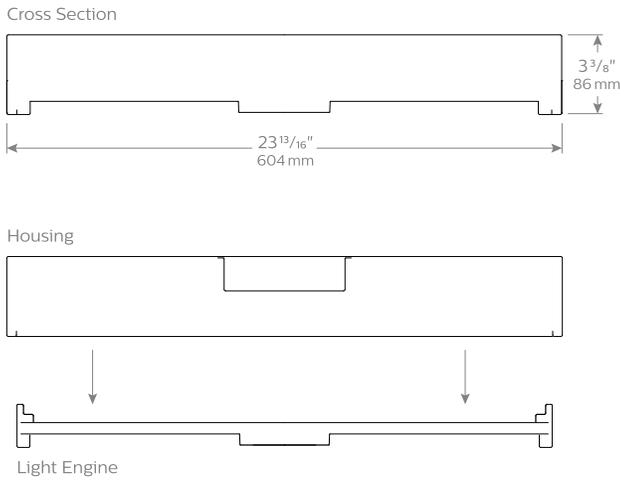
Electrical Specifications

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

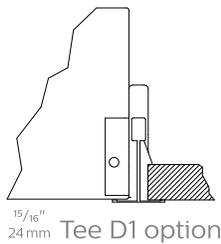
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Options and Details

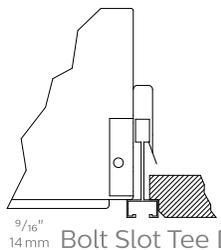


Mounting



D1 Standard T-Grid

Option D1 works with $\frac{9}{16}"$ and $\frac{15}{16}"$ 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.

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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