PHILIPS
LEDALITE

Recessed

SilkSpace

1'x4', 4000 lm
3500K

Project:

Spec Type:

Catalog No: 4214DxxxL8BD

Qty

Line Notes:

Philips Ledalite SilkSpace LED recessed combines LED Light Guide technology and Ledalite's revolutionary MesoOptics technology to deliver discrete, comfortable lighting with great performance and ultra low-glare.
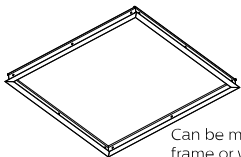
Ordering guide

Product Type	Version	Configuration	Light Source *	CRI/CCT	Lumens *	Housing	Wiring †	Voltage	Driver
4214	D1		L	8B	D				
SilkSpace 1'x4' LED	**D1** Standard T Grid	**ST** Standalone **CR** Continuous Row	**L** LED	**8C** CRI 80 3000K **8B** CRI 80 3500K **8A** CRI 80 4000K	**K** 1700 lm **E** 3000 lm **D** 4000 lm	**S** Standard **C** Chicago Plenum	**7** 1 cct Dimming **N** 1 cct Dimming + EM Batt. Pack	**1** 120V **2** 277V **3** 347V	**E** Philips Advance 0-10V **S** Philips Advance SR

* Nominal values within a range. Consult photometry data for exact color temp, lumens & distribution.
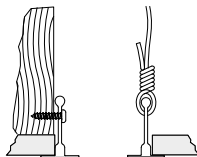† Not all wiring types are available with all configurations. Consult Philips Ledalite for a complete list of available options.

Upgrades & Accessories Please indicate with check mark.

☐ Drywall Kit Trim Mount

☐ Flex Whip (6' length)

Can be mounted to wood frame or with 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)

☐ SpaceWise DT Occupancy & Daylight Sensor (SZ)

DLC LISTED

5 YEARS FIXTURE • LED • DRIVER SYSTEM WARRANTY

ACTILUME

RESPONSE

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Housing

Sides and center spine: precision aluminum extrusion; end caps, back housing and driver cover: die-formed, 20 gauge cold-rolled steel, pre and post painted. Available in white. Multiple wire entrances are available (top or side) to allow continuous row mounting of fixtures.

Electrical

Factory pre-wired with driver safety disconnects. Dimming enabled as standard: 0-10V (1-100%). Philips Advance Xitanium Sensor Ready (SR), 5-100% (for SpaceWise). Output is Class 2 rated. Consult factory for a list of other options. LED boards and drivers are easily field replaceable, if required.

Lumen Maintenance

Lumen maintenance of the LEDs has been tested by the manufacturer in accordance with IESNA LM-80-08. At an ambient temperature of 25℃, the LED lumen maintenance expectation is L80(12K)>72,000h according to IES TM-21-11 Addendum A Reported methodology.

Controls

Available with the following integrated controls:
Response daylight sensor (for single zone).
Philips Actilume occupancy sensor (includes field commissionable daylight).
SpaceWise DT occupancy & daylight sensor w/ advanced grouping & dwell time.
SpaceWise DT commissioning via Android phone and Philips Field App. Compatible dimming wireless wall switches are available. For more information, please refer to www.philips.com/spacewise

Weight

Maximum 28lbs (2x4); 21lbs (1x4); 15lbs (2x2).

Mounting

Fixtures are factory pre-wired and tested for all circuits and emergency battery packs. Compatible with 15/16" lay-in acoustical ceilings using exposed grid suspension (NEMA type G). For 9/16" slot T-grid ceilings, fixture will sit 5/16" above bottom of Tee. Optional armored cable flex whips are supplied in 6' lengths.

Warranty

Five-year luminaire limited warranty including LED boards and driver.

USA: http://www.usa.lighting.philips.com/support/support/warranty

Canada: http://www.lighting.philips.ca/support/support/warranty

Certifications

SilkSpace luminaires are DesignLights Consortium® qualified. Please see the DLC QPL list for exact catalog numbers (http://www.designlights.org/QPL)

Environment

Rated for dry & damp locations in operating in ambient temperatures of 25℃.

General Notes

Many luminaire components, such as reflectors, refractors, lenses, sockets, lamp holders, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur based chemicals, petroleum based products, cleaning solutions, or other contaminants are expected in the intended area of use, consult factory for compatibility. Damage caused by sulfur, chlorine, petroleum based solution or other contaminants are not covered under warranty.

Optical System

The optical system is comprised of arrays of LEDs edge-lighting a low profile light guide panel. The microstructured surface of the light guide panel optimizes the light extraction creating a homogenously luminous appearance. Light is then controlled by MesoOptics film suppressing the high-angle light creating an ultra low-glare bat-wing distribution.
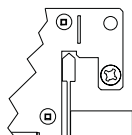
Approvals

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

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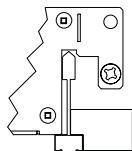
Options and Details

Mounting

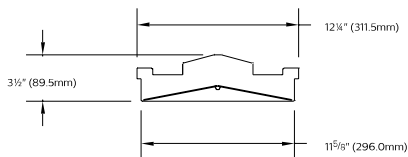Integrates with most common T-Grid ceiling types

Works with 9/16" & 15/16" flat T-Grid ceilings

Flat T-Grid

Can also be used with slot T-Grid ceilings. For 9/16" slot T-grid ceilings, fixture will sit 5/16" above bottom of T-Bar.
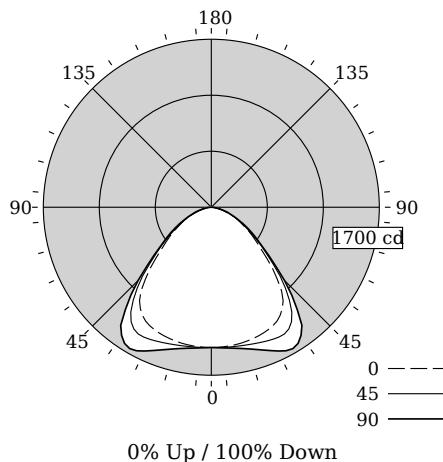
Slot T-Grid

Cross Section

12¼" (311.5mm)

3½" (89.5mm)

11⁵/₈" (296.0mm)

Lens View

12¼" (311.5mm)

47½" (1207.5mm)

Side View

3½" (89.5mm)

47½" (1207.5mm)

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Photometry

180

135 — 135

90 — — 90

1700 cd

45 — 45

0 - - - -
45 ——
90 ——

0% Up / 100% Down

Total Output	3994 lm
Efficacy	105.9 lm/W
CCT	3344K
CRI	82
Distribution	0% Up / 100% Down
Spacing Criteria (0/90°)	1.38/1.61
UGR	18.6

UGR values measured at 4Hx8H, 0.25H

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	0	22.5	45	67.5	90	Zonal Lumens
0	1449	1449	1449	1449	1449	0
5	1437	1445	1451	1458	1461	139
15	1423	1438	1465	1494	1506	416
25	1390	1422	1497	1580	1613	694
35	1299	1351	1478	1607	1652	912
45	948	987	1076	1163	1199	825
55	529	543	597	634	652	532
65	289	293	301	309	313	301
75	121	125	132	137	140	142
85	23	26	29	31	32	34
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: 80				70				50			0
Wall:	70	50	30	10	70	50	30	50	30	10	0
0	119	119	119	119	116	116	116	111	111	111	100
1	110	106	102	99	108	104	101	100	97	94	87
2	101	94	88	83	99	92	87	89	84	80	75
3	93	84	76	70	91	82	75	79	73	69	64
4	86	75	67	61	84	74	66	71	65	59	56
5	79	67	59	53	77	66	58	64	57	52	49
6	73	61	52	46	72	60	52	58	51	46	43
7	68	55	47	41	66	55	47	53	46	41	38
8	63	51	42	37	62	50	42	49	42	37	34
9	59	46	39	33	58	46	38	45	38	33	31
10	56	43	35	30	54	42	35	41	35	30	28

Avg. Luminance (cd/m2)

Vertical Angle	Horizontal Angle 0	45	90
55	2859	3228	3523
65	2116	2209	2294
75	1449	1579	1674
85	811	1024	1135

Electrical Specifications

Input Voltage	120V	277V
Input Power	37.7W	37.3W
Input Current	0.32A	0.14A
Power Factor	0.996	0.971
Total Harm. Distortion	5.5%	9.0%

Tested values – contact technical support for rated values. Off-state power zero unless certain controls are specified.

With SpaceWise DT, standby power <0.5W (120V) or <0.8W (277V).

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