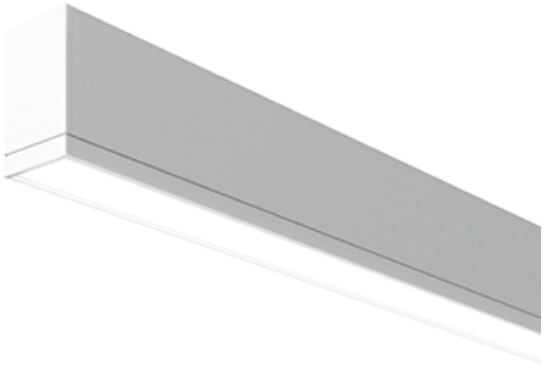
PHILIPS
LEDALITE

Linear

TruGroove Wall

1500 lm/4ft, Direct Asym
3000/3500/4000K



Project:	
Spec Type:	
Catalog No:	2921LxKWN
Qty	
Line Notes:	

TruGroove Recessed is driving performance beyond the edge. Innovative optics deliver exceptional uniformity and wide row spacing from a 3" aperture continuous line-of light. An extended family and refined design are perfect for lighting any professional space.

Ordering guide

Product Type	Source	Color Temp *	Lumens *	Lower Optics	Upper Optics	Run Length	Wiring †	Voltage	Driver	Finish
2921	L		K	W	N					
TruGroove Wall Direct	L LED	A 4000K B 3500K C 3000K	E 3200 lm/4ft G 2300 lm/4ft K 1500 lm/4ft	W Asymmetric MesoOptics	N Solid Housing	04 4' 06 6' 08 8' Total run length (2' increments)	7 1 cct Dimming M 1 cct Dimming + EM Wiring N 1 cct Dimming + EM Batt. Pack	1 120V 2 277V 3 347V	E Philips Advance 0-10V (1% dim)	W Standard White T Titanium Silver B Black C Custom

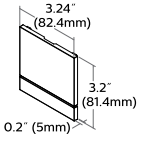
* Nominal values within a range. Consult photometry data for color temp, lumens & distribution of chosen configuration.
† Not all wiring types are available with all configurations. Consult Philips Ledalite for a complete list of available options.

Mounting Hardware

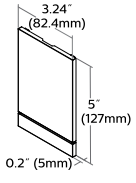
Mount Type
Consult separate mounting spec sheet for mount type options

Endcaps - Flat Grooved

Indirect Endcap



Direct/Indirect Endcap



mesoOptics

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Optical System

Upper hemisphere: White light emitted from a linear array of upward-facing LEDs is shaped into a homogeneous, wide-throw batwing distribution using either a freeform elliptical lens or an engineered light guide panel.
Lower hemisphere: White light emitted from a linear array of downward-facing LEDs is laterally redirected using either a biconvex lens or optical microstructures embedded in a layer of MesoOptics DX film. An extruded acrylic lens and MesoOptics film assembly then generates an optimal batwing distribution and a uniform continuum of light.

Endcaps

Diecast flat aluminum endcaps with integral groove to match housing.

Finish

High quality powder coated, available in matte white, black or titanium silver. Other custom colors available on request. White sensors only.

Housing

Precision aluminum extrusion, post painted.

Weight

Maximum: Suspended & Surface 3.9lb/ft, Wall 4.1lb/ft & 2'x2' Corner unit 21lb

Electrical

Factory pre-wired to section ends with quick-wire connectors.

Standard Drivers

Philips Advance Xitanium 0-10V, 1-100%.
Philips Advance Xitanium SR, 5-100% (for SpaceWise DT).
Class 2 rated output. Consult Philips Ledalite for other available drivers.

Standard Battery Pack

Philips Bodine, 90 min, 10W, Class 2 rated output, Emergency lumen output = 10W x luminaire efficacy x 1.1. Typical output: 1100lm.

Lumen Maintenance

At an ambient temperature of 25°C, the LED lumen maintenance expectation according to IES TM-21-11 is:
L_{80} (12k) 60,000 hrs (**Reported** methodology)
L_{80} (6k) 110,000 hrs (**Projected** methodology).

Source Color

LEDs rated for color rendering CRI >80, R9 >0 and fixture to fixture color accuracy within 2 SDCM.

Controls

Suspended version available with the following integrated controls:
Response daylight sensor (for single zone).
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

Mounting

Suspended: Variable sling mount allows +/- 5" of horizontal adjustment from joint or end. Aircraft cable and tamper-resistant gripper provide unlimited vertical adjustment and are independently tested to stringent safety standards.
Wall: A hidden steel rail and bracket system attaches to the existing structure and supports housings close to the wall. Mount positioning is fully variable along the modules to accommodate site conditions, spaced up to 4½' on center and within 12" of an end or joint.
Surface: Fixture is mounted flush to surface using hidden brackets that attach to existing structure, variable between 0.6"-1.7" from end or joint.

Joints

Self-aligning joining system with hands-free pre-joining wire access.

Approvals

Certified to UL, CSA and IES standards. Certain symmetric indirect/direct and indirect versions are DesignLights Consortium® qualified. Please see the DLC QPL list for exact catalog numbers (www.designlights.org/QPL).

Warranty

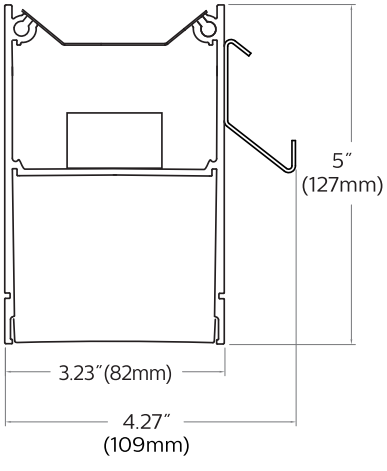
Philips indoor professional luminaires 5 year LED warranty: **http://www.philips.com/warranties**

Environment

Rated for dry or damp locations in operating ambient temperatures 0-40°C (32-104°F). Certain luminaire components may be adversely affected by contaminants. Damage caused by sulfur, chlorine, petroleum based solutions or other contaminants in the area of operation are not covered under warranty. Not suitable for natatorium environments.

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

Dimensions - Cross Section

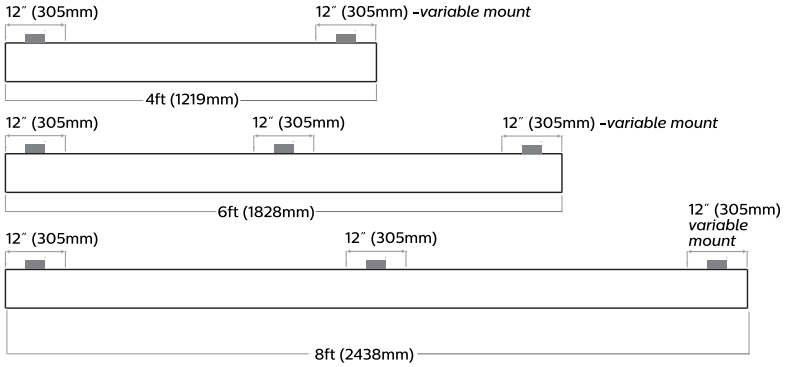


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Dimensions - Modules

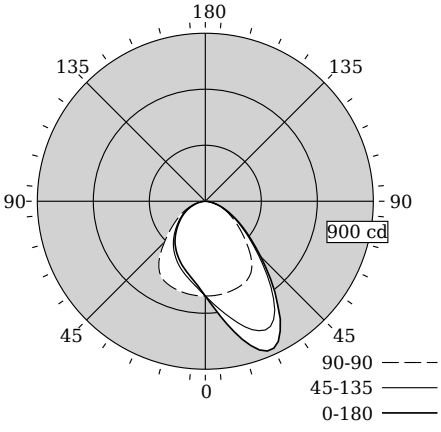
Wall Mount Without Endcaps - Top View



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Photometry - 3500K



0% Up / 100% Down

Candela Distribution

Vertical Angle	Horizontal Angle 0	45	90	135	180	Zonal Lumens
0	508	508	508	508	508	0
5	578	556	508	467	455	49
15	766	674	501	409	390	153
25	869	761	486	357	337	252
35	675	637	434	298	282	287
45	420	398	309	230	218	243
55	247	236	201	166	159	181
65	136	133	123	109	104	121
75	62	60	57	55	54	61
85	11	10	11	12	13	14
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

Values per 4ft unit

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

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	98	107	103	100	99	96	94	86
2		101	94	87	82	98	92	86	88	83	79	74
3		93	83	76	70	90	82	75	79	73	68	64
4		86	74	66	60	83	73	65	71	64	59	55
5		79	67	59	52	77	66	58	64	57	52	48
6		73	61	52	46	71	60	52	58	51	46	43
7		68	55	47	41	66	55	47	53	46	41	38
8		64	51	43	37	62	50	42	49	42	37	34
9		59	47	39	33	58	46	38	45	38	33	31
10		56	43	35	30	55	43	35	42	35	30	28

Avg. Luminance (cd/m2)

Vertical Angle	Horizontal Angle 0	90	180
55	4630	3758	2983
65	3471	3129	2655
75	2576	2361	2232
85	1402	1402	1657

Distribution

Hemisphere	0% Up / 100% Down
Glare Control	Meets RP-1-12 recommendations for VDT-Critical spaces
Spacing Along (0 °)	1.66
Spacing Across (90 °)	1.34
Spacing at 180 °	0.92

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Optical Performance

Nominal CCT:	3000K	3500K	4000K
Flux (lm)	1317	1362	1366
Efficacy (lm/W)	86.6	89.6	88.7
Power (W)	15.2	15.2	15.4
CCT (K)	3099	3424	4065
CRI	81	82	83
R9	4	6	13
x	0.4329	0.4128	0.3787
y	0.4079	0.4010	0.3791
Duv	0.0020	0.0030	0.0020

Electrical Performance - 3500K

Input Voltage	120V	277V	347V
Input Power	15.2W	15.3W	13.7W
Input Current	0.13A	0.06A	0.04A
Power Factor	0.996	0.927	0.940
Total Harm. Distortion	9.6%	15.0%	15.0%
Tested values . contact technical support for rated values. Off-state power zero unless certain controls are specified.			

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www.philips.com/luminaires

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