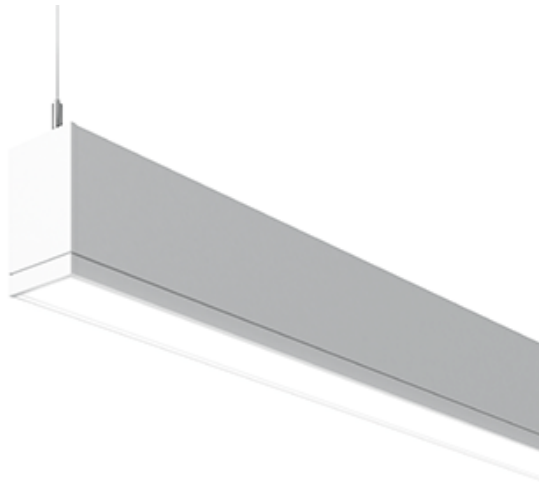


Linear

TruGroove Suspended

4600 lm/4ft, Direct/Indirect
3000/3500/4000K



Project: _____

Spec Type: _____

Catalog No: 2906LxCWW

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
2906	L		C	W	W					
TruGroove Suspended Direct/Indirect	L LED	A 4000K B 3500K C 3000K	B 5200 lm/4ft (35/65) C 4600 lm/4ft (30/70) D 3500 lm/4ft (35/65)	Q Symmetric MesoOptics W Asymmetric MesoOptics	W Asymmetric Performance Q Symmetric Performance	04 4' 06 6' 08 8' A4 2'x2' Total run length (2' increments)	7 1 cct Dimming G 2 cct Up/Dn 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) S Philips Advance SR (5% 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.

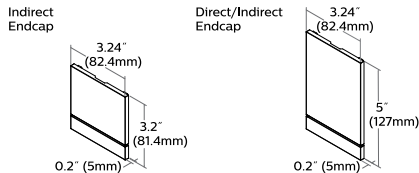
† Not all wiring types are available with all configurations. Consult Philips Ledalite for a complete list of available options.

Mounting Hardware

Mount Type
Consult separate mounting spec sheet for mount type options

Suspension Length
Distance from ceiling to top of luminaire in inches

Endcaps - Flat Grooved



Integrated Controls Please indicate with check mark.

☐ Response Daylight Single Zone (DS)

☐ SpaceWise DT Occupancy & Daylight Sensor (SZ)

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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:

L80 (12k) 60,000 hrs (**Reported** methodology)

L80 (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

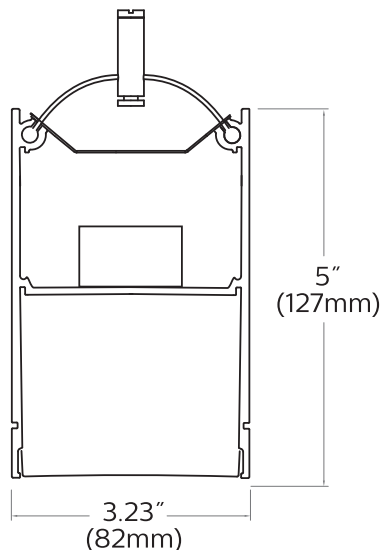
Philips indoor professional luminaires 5 year LED warranty: <http://www.philips.com/warranties>

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

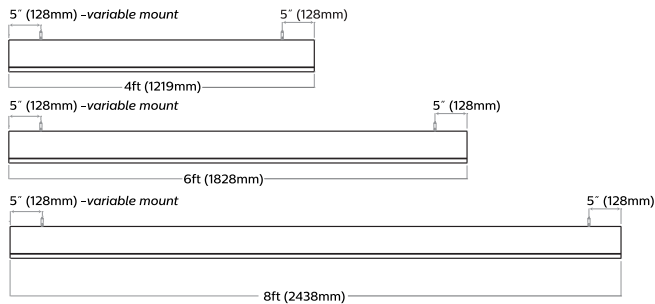


TruGroove Suspended

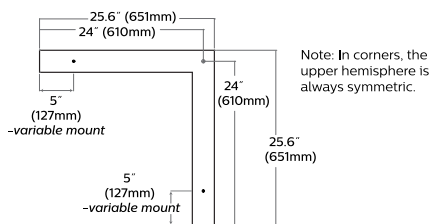
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Dimensions - Modules

Suspended Linear Modules Without Endcaps – Side View



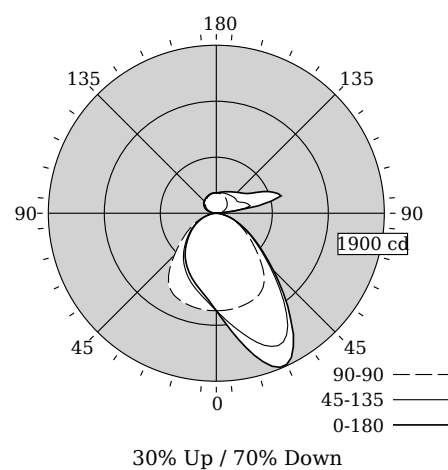
Suspended 2'x2' Corners Without Endcaps – Top View



TruGroove Suspended

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Photometry - 3500K



Candela Distribution

Vertical Angle	Horizontal Angle				Zonal Lumens
	0	45	90	135	
0	1103	1103	1103	1103	0
5	1255	1208	1103	1015	107
15	1664	1464	1089	889	333
25	1886	1653	1055	775	547
35	1466	1383	943	647	622
45	912	865	671	499	528
55	537	512	436	362	393
65	296	290	267	236	262
75	135	130	124	119	133
85	25	23	25	27	31
90	0	0	0	0	0
95	73	64	23	33	23
105	759	380	74	104	88
115	579	297	118	144	138
125	391	271	149	170	174
135	334	265	172	186	194
145	295	254	194	203	208
155	268	246	212	218	219
165	248	239	223	228	229
175	234	231	228	231	232
180	229	229	229	229	229

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				Wall				0			
	70	50	30	10	70	50	30	10	70	50	30	10
0	112	112	112	112	106	106	106	95	95	95	70	0
1	103	99	95	92	97	94	90	84	82	79	61	0
2	94	87	81	76	89	83	77	75	70	67	52	0
3	87	77	70	64	82	73	67	66	61	57	45	0
4	80	69	61	55	75	66	58	59	54	49	39	0
5	73	62	54	48	69	59	52	54	47	43	34	0
6	68	56	48	42	64	53	46	48	42	38	30	0
7	63	51	43	37	59	48	41	44	38	34	27	0
8	58	46	38	33	55	44	37	40	34	30	24	0
9	55	42	35	30	52	41	34	37	31	27	22	0
10	51	39	32	27	48	37	31	34	29	25	20	0

Avg. Luminance (cd/m2)

Vertical Angle	Horizontal Angle		
	0	90	180
55	10055	8161	6479
65	7537	6794	5767
75	5593	5128	4849
85	3045	3045	3600

Distribution

Hemisphere	30° Up / 70° Down
Glare Control	Meets RP-1-12 recommendations for VDT-Normal 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)	4085	4207	4189
Efficacy (lm/W)	89.0	91.5	90.5
Power (W)	45.9	46.0	46.3
CCT (K)	3110	3442	4097
CRI	81	82	83
R9	3	6	13
x	0.4316	0.4110	0.3767
y	0.4063	0.3986	0.3760
Duv	0.0020	0.0020	0.0010

Electrical Performance - 3500K

Input Voltage	120V	277V	347V
Input Power	46.0W	45.6W	42.1W
Input Current	0.38A	0.17A	0.13A
Power Factor	0.998	0.963	0.951
Total Harm. Distortion	7.2%	12.6%	12.0%
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).			

