

Linear

TruGroove Suspended

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

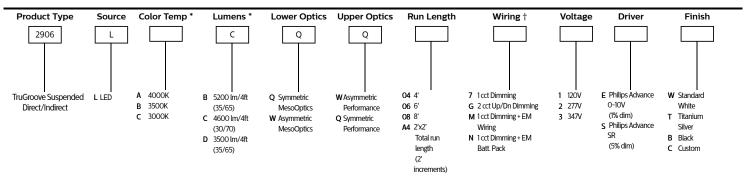




Project:		
Spec Type:		
Catalog No:	2906LxCQQ	
Qty		
Line Notes:		

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.

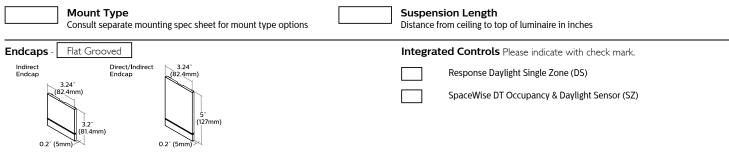
Ordering guide



* 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





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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

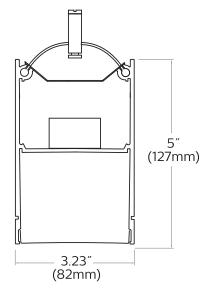
Philips indoor professional luminaires 5 year LED warranty: http://www.philips.com/warranties

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.

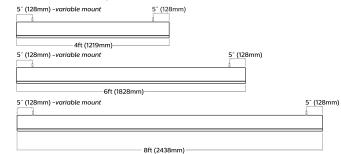
Dimensions - Cross Section



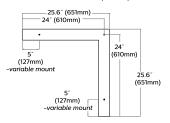
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Dimensions - Modules

Suspended Linear Modules Without Endcaps - Side View



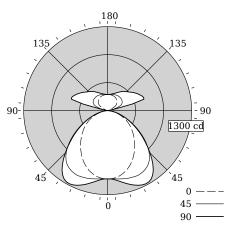
Suspended 2'x2' Corners Without Endcaps – Top View



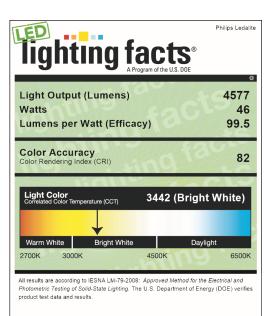
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Photometry - 3500K

Candela Distribution



29% Up / 71% Down



Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: F46Z-RH386B (1/27/2015) Model Number: 29x6LBCQQ Type: Luminaire - Linear

Vertical	Horizontal Angle 0 22.5 45 67.5 90					Zonal Lumens
Angle						
0	1057	1057	1057	1057	1057	0
5	1051	1053	1061	1069	1069	102
15	990	1017	1089	1151	1171	307
25	876	942	1107	1229	1268	501
35	727	831	1062	1197	1215	632
45	575	684	905	951	927	633
55	431	507	640	637	617	516
65	284	317	372	370	359	343
75	137	147	166	167	164	169
85	29	29	33	35	34	40
90	0	0	0	0	0	0
95	6	9	9	10	11	11
105	25	32	106	327	393	157
115	67	94	240	436	563	269
125	167	188	271	413	487	268
135	202	218	279	370	415	228
145	228	239	279	332	358	179
155	242	247	270	291	302	125
165	247	249	258	265	268	73
175	249	248	250	251	251	24
180	249	249	249	249	249	0

 90
 Lumens
 Values per 4ft unit

 067
 0
 0

 069
 102
 Fixture photometry has been

 171
 307
 conducted in accordance with

 175
 632
 IESNA LM-79-08

 167
 516
 102

 163
 14
 169

 174
 40
 photometric options can be

 0
 0
 downloaded online at

 11
 11
 11

 133
 157
 www.lightingproducts.philips.com

Coefficients of Utilization (%)

DCD	Ceiling:		8	0			70			50		0
RCR	Wall:	70	50	30	10	70	50	30	50	30	10	0
0		112	112	112	112	106	106	106	95	95	95	71
1		103	98	95	91	97	93	90	84	81	79	60
2		94	86	80	75	88	82	76	74	69	66	51
3		86	76	68	62	81	72	65	65	60	55	43
4		78	67	59	53	74	64	57	58	52	47	37
5		72	60	52	45	68	57	49	52	45	41	32
6		66	54	45	39	63	51	44	47	40	36	28
7		61	49	40	35	58	46	39	42	36	31	25
8		57	44	36	31	54	42	35	39	32	28	22
9		53	40	33	27	50	39	31	35	29	25	20
10		50	37	30	25	47	36	29	33	27	22	18

Avg. Luminance (cd/m2)

	•	· ·	
ŀ	Horizontal Ang	gle	
0	45	90	
8066	11984	11559	
7228	9455	9140	
5688	6885	6800	
3556	4064	4191	
	0 8066 7228 5688	0 45 8066 11984 7228 9455 5688 6885	8066 11984 11559 7228 9455 9140 5688 6885 6800

Distribution

Hemisphere	29% Up / 71% Down
Spacing Along (0 °)	1.14
Spacing Across (90 °)	1.61

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

Optical Performance

Nominal CCT:	3000K	3500К	4000K
Flux (lm)	4444	4577	4555
Efficacy (lm/W)	96.8	99.5	98.4
Power (W)	45.9	46.0	46.3
ССТ (К)	3110	3442	4097
CRI	81	82	83
R9	3	6	13
x	0.4316	0.4110	0.3767
У	0.4063	0.3986	0.3760
Duv	0.0020	0.0020	0.0010

Electrical Performance - 3500K

Input Voltage	120V	277V	347V			
Input Power	46.0VV	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).

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