

## Linear

TruGroove Suspended

2300 lm/4ft, Direct 3000/3500/4000K

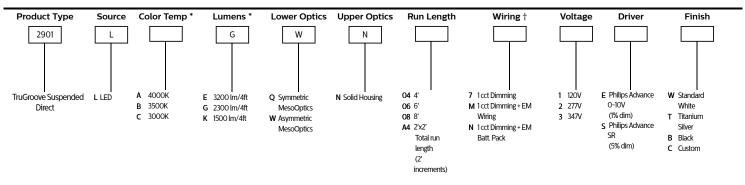




Project:		
Spec Type:		
Catalog No:	2901LxGWN	
Qty		
Line Notes:		

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.

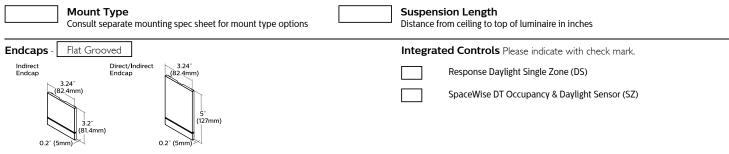
## Ordering guide



\* 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: L<sub>80</sub> (12k) 60,000 hrs (**Reported** methodology) L<sub>80</sub> (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 4<sup>1</sup>/<sub>2</sub>' 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<sup>®</sup> qualified. Please see the DLC QPL list for exact catalog numbers (www.designlights.org/QPL).

#### Warranty

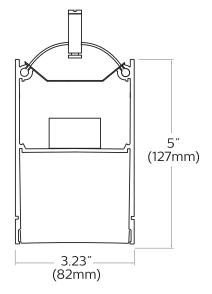
Philips indoor professional luminaires 5 year LED warranty: http://www.philips.com/warranties

#### 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.

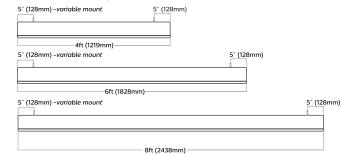
### **Dimensions - Cross Section**



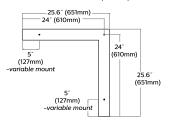
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Dimensions - Modules

#### Suspended Linear Modules Without Endcaps - Side View



Suspended 2'x2' Corners Without Endcaps – Top View



2300 lm/4ft, Direct

3000/3500/4000K

## Photometry - 3500K

## 

## Candela Distribution

Vertical	Horizontal Angle				Zonal	
Angle	0	45	90	135	180	Lumens
0	793	793	793	793	793	0
5	903	869	793	730	711	77
15	1197	1053	783	640	609	239
25	1357	1189	759	557	526	394
35	1055	995	678	465	441	448
45	656	622	483	359	341	380
55	386	368	313	260	249	283
65	213	208	192	170	163	189
75	97	94	89	86	84	96
85	18	16	18	19	21	23
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   Vuali: 70 50 30 10 70 50 30 10   0 119 119 119 116 116 116 111 111 111   1 110 106 102 98 107 103 100 99 96 94   2 101 94 7 82 98 92 86 88 83 79	0
1 10 106 102 98 107 103 100 99 96 94 2 101 94 87 82 98 92 86 88 83 79	0
2 101 94 87 82 98 92 86 88 83 79	100
	86
	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	Н	orizontal Ang	įle
Angle	0	90	180
55	7231	5870	4660
65	5421	4887	4148
75	4023	3688	3487
85	2190	2190	2589

## Distribution

Hemisphere	0% Up / 100% 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)	2057	2127	2134
Efficacy (lm/W)	85.7	88.6	87.8
Power (W)	24.0	24.0	24.3
ССТ (К)	3107	3424	4065
CRI	81	82	83
R9	3	6	13
x	0.4321	0.4128	0.3787
У	0.4071	0.4010	0.3791
Duv	0.0020	0.0030	0.0020

## Electrical Performance - 3500K

Input Voltage	120V	277V	347V
Input Power	24.0VV	23.8W	20.7W
Input Current	0.20A	0.09A	0.06A
Power Factor	0.996	0.961	0.970
Total Harm. Distortion	7.3%	13.8%	11.5%
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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Philips Lighting, North America Corporation 200 Franklin Square Drive, Somerset, NJ 08873 Tel. 855-486-2216

Philips Lighting Canada Ltd., 281 Hillmount Rd, Markham, ON, Canada L6C 2S3 Tel. 800-668-9008