



# Linear

## Verge Suspended

6500 lm/4ft w/ 100% Down Kit\*  
3000/3500/4000K



Project: \_\_\_\_\_  
 Spec Type: \_\_\_\_\_  
 Catalog No: 7606LxAQJ \_\_\_\_\_  
 Qty \_\_\_\_\_  
 Line Notes: \_\_\_\_\_

Elegant from any angle, Verge delivers exceptional direct/indirect lighting performance in a sleek, geometric design. Offering luminous aesthetics with excellent glare control, Verge is the ideal choice for a wide range of energy-conscious applications.

### Ordering guide

Product Type	Source	Color Temp *	Lumens *	Lower Optics	Upper Optics	Run Length	Wiring †	Voltage	Driver	Finish
<input type="text" value="7606"/>	<input type="text" value="L"/>	<input type="text"/>	<input type="text" value="A"/>	<input type="text" value="Q"/>	<input type="text" value="J"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Verge Direct/Indirect	L LED	A 4000K B 3500K C 3000K	A 6500 lm/4ft C 4600 lm/4ft E 3400 lm/4ft	Q MesoOptics Lens	N Lightguide D 55% Down Kit G 80% Down Kit J 100% Down Kit	04 4' 08 8' XX Total run length (4' increments)	7 1 cct Dimming E 2 cct A/B 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. Down kits reduce output & efficacy. 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 -

**Integrated Controls** Please indicate with check mark.

Response Daylight Single Zone (DS)



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## Optical System

The optical system contains arrays of LEDs edge-lighting a low profile light-guide panel, using total internal reflection to homogenize the sources. The microstructured surface of the panel optimizes light extraction to create an efficacious direct/indirect distribution. Light is purified and controlled by MesoOptics film as it passes through a non-glare acrylic lens. Standard distribution is 75% up / 25% down for suspended and 65% up / 35% down for wall mount version.

## Endcaps

Diecast aluminum endcaps, sculpted to match angled profile.

## Finish

Standard finish is a textured matte powder coat in white, black or titanium silver.

## Housing

Precision formed 18 gauge cold-rolled steel.

## Weight

Maximum: Suspended 3.75lb/ft & Wall 3.0lb/ft.

## Electrical

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

## Standard Driver

Philips Advance Xitanium 0-10V, 1-100%. 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

LEDs have been tested by the manufacturer in accordance with IESNA LM-80-08. At an ambient temperature of 25°C, the LED lumen maintenance expectation according to IES TM-21-11 is: L<sub>80</sub> (12k) >72,000 hrs (**Reported** methodology).

## Source Color

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

## Controls

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

## Mounting

**Suspended:** Tamper-resistant aircraft cable gripper provides unlimited vertical adjustment. Aircraft cable, crimp and cable gripper are independently tested to meet stringent safety requirements.

**Wall:** Fixture is mounted flush to wall using hidden wall brackets which attach to existing structure, variable within 2"-5" of end or joint.

## Joints

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

## Approvals

Certified to UL, CSA and IES standards. Certain suspended versions without down kits are DesignLights Consortium® qualified. Please see the DLC QPL list for exact catalog numbers ([www.designlights.org/QPL](http://www.designlights.org/QPL)).

## Warranty

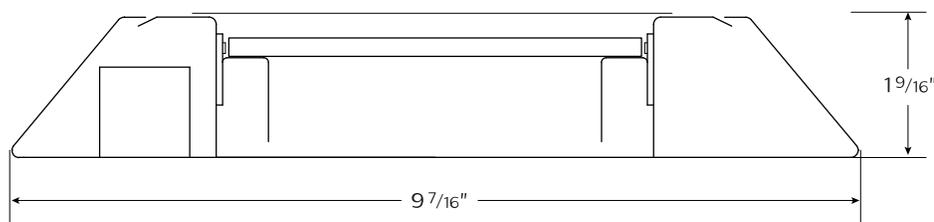
Philips indoor professional luminaires 5 year LED warranty: [www.philips.com/warranties](http://www.philips.com/warranties).

## 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 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



# Verge Suspended

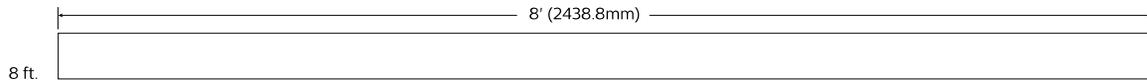
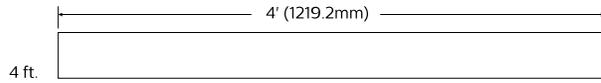
6500 lm/4ft w/ 100% Down Kit\*

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## Dimensions - Modules

### Modules

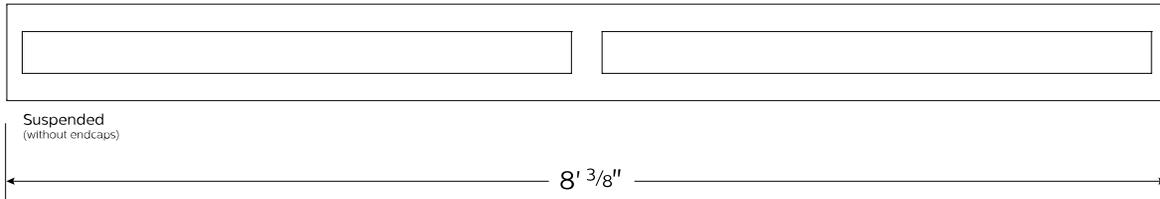
Module length excludes end caps. Nominal mounting spacing for individually mounted modules.



Note: Refer to installation instructions for exact mount.

## Optics and Styles

### Lens view



### Upper optics



G 80% Down Kit

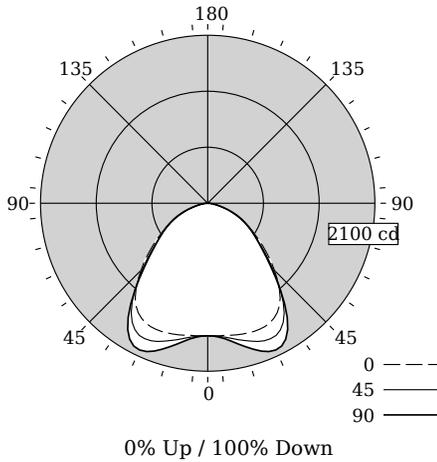


J 100% Down Kit

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## Photometry - 3500K



## Candela Distribution

Vertical Angle	Horizontal Angle				Zonal Lumens
	0	22.5	45	67.5	
0	1657	1657	1657	1657	0
5	1663	1663	1671	1679	161
15	1693	1707	1776	1841	505
25	1701	1732	1868	1983	855
35	1569	1588	1675	1734	1029
45	1186	1170	1154	1134	894
55	771	756	734	728	669
65	458	452	454	460	452
75	189	191	193	197	211
85	36	37	41	41	48
90	0	0	0	0	0
95	2	2	2	2	0
105	2	4	4	6	4
115	4	4	4	4	5
125	4	6	4	4	4
135	4	4	4	6	3
145	4	4	4	6	3
155	4	4	4	6	2
165	4	4	4	2	1
175	2	2	2	2	0
180	2	2	2	2	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](http://www.lightingproducts.philips.com)

## Coefficients of Utilization (%)

RCR	Ceiling										
	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	93	86
2	101	93	87	82	98	91	86	88	83	79	73
3	92	83	75	69	90	81	74	78	72	67	63
4	85	74	66	59	83	72	65	70	63	58	54
5	78	66	58	51	76	65	57	63	56	51	47
6	73	60	51	45	71	59	51	57	50	45	42
7	67	54	46	40	66	54	46	52	45	40	37
8	63	50	42	36	61	49	41	48	41	36	33
9	59	46	38	32	57	45	38	44	37	32	30
10	55	42	35	29	54	42	34	41	34	29	27

## Avg. Luminance (cd/m2)

Vertical Angle	Horizontal Angle		
	0	45	90
55	13050	12416	12316
65	10509	10419	10781
75	7101	7249	7471
85	3954	4613	4613

## Distribution

Hemisphere	0% Up / 100% Down
Glare Control	None
Spacing Along (0 °)	1.44
Spacing Across (90 °)	1.5

Philips Ledalite

**LED lighting facts**  
A Program of the U.S. DOE

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**Light Output (Lumens)** **4848**

**Watts** **56.7**

**Lumens per Watt (Efficacy)** **85.5**

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**Color Accuracy**  
Color Rendering Index (CRI) **82**

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**Light Color**  
Correlated Color Temperature (CCT) **3312 (Bright White)**

2700K    3000K    4500K    6500K

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All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit [www.lightingfacts.com](http://www.lightingfacts.com) for the Label Reference Guide.

Registration Number: F46Z-YM38GA (10/31/2016)  
Model Number: 7606LBAQJ  
Type: Luminaire - Linear

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## Optical Performance

Nominal CCT:	3000K	3500K	4000K
Flux (lm)	4641	4848	4985
Efficacy (lm/W)	81.6	85.5	88.2
Power (W)	56.9	56.7	56.5
CCT (K)	3045	3312	3931
CRI	84	82	83
R9	10	-1	5
x	0.4338	0.4167	0.3849
y	0.4031	0.3968	0.3837
Duv	0.0000	0.0000	0.0020

## Electrical Performance - 3500K

Input Voltage	120V	277V	347V
Input Power	56.7W	56.2W	56.9W
Input Current	0.47A	0.21A	0.17A
Power Factor	0.995	0.987	0.970
Total Harm. Distortion	9.4%	10.2%	11.0%

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

