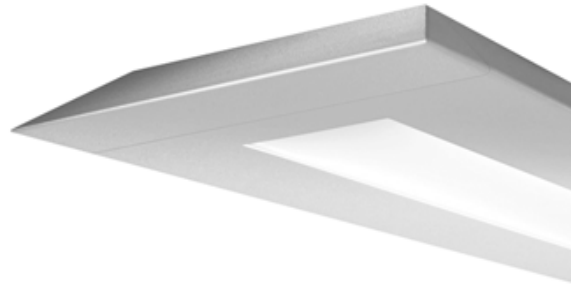




Linear

Verge Suspended

3400 lm/4ft w/ 80% Down Kit*
3000/3500/4000K



Project: _____
 Spec Type: _____
 Catalog No: 7606LxEQG
 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="E"/>	<input type="text" value="Q"/>	<input type="text" value="G"/>	<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: L₈₀ (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).

Warranty

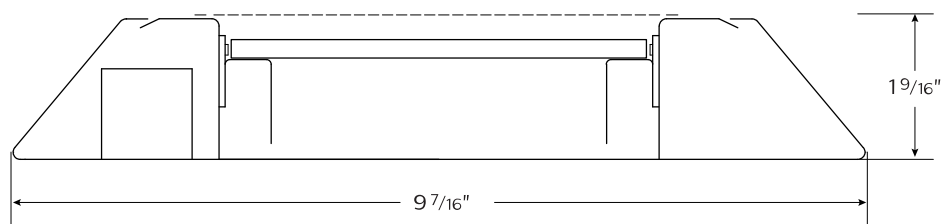
Philips indoor professional luminaires 5 year LED warranty: www.philips.com/warranties.

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

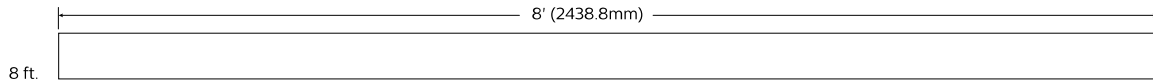
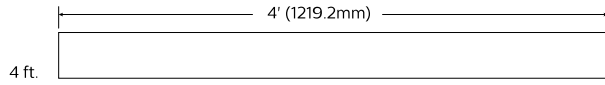
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Dimensions - Modules

Modules

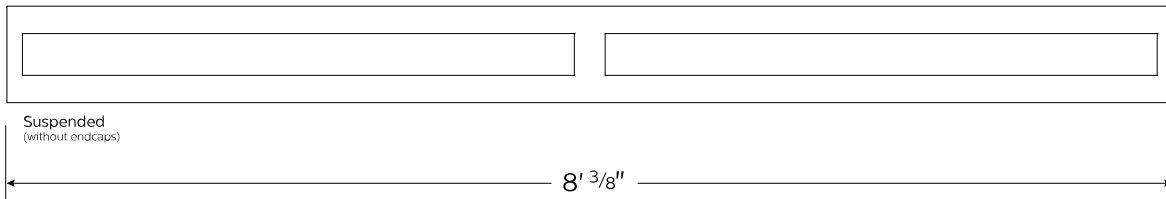
Module length excludes end caps. Nominal mounting spacing for individually mounted modules.



Note: Refer to installation instructions for exact mount.

Optics and Styles

Lens view



Upper optics



G 80% Down Kit

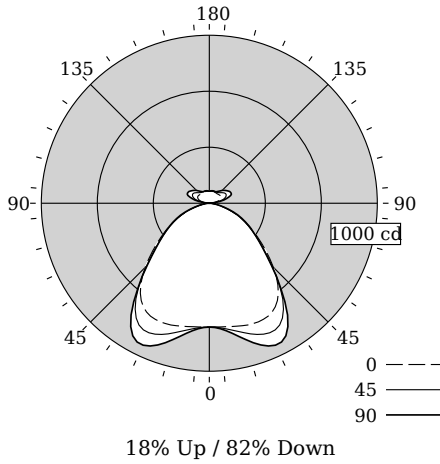


J 100% Down Kit

Verge Suspended

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Photometry - 3500K



Candela Distribution

Vertical Angle	Horizontal Angle				Zonal Lumens
	0	22.5	45	67.5	
0	737	737	737	737	0
5	739	740	744	749	72
15	755	763	798	830	227
25	762	781	851	910	389
35	707	720	769	802	472
45	540	532	527	524	410
55	351	342	335	335	306
65	208	205	206	211	214
75	85	86	87	89	91
85	15	17	18	19	21
90	0	0	0	0	0
95	10	11	14	15	20
105	56	65	85	98	104
115	76	87	111	138	143
125	79	87	108	128	129
135	75	79	89	105	108
145	73	75	79	85	86
155	73	75	77	77	77
165	73	74	75	76	76
175	72	72	72	73	73
180	72	72	72	72	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										0
	70	50	30	10	70	50	30	10	70	50	
0	115	115	115	115	110	110	110	101	101	101	82
1	106	101	98	94	101	97	94	90	87	85	70
2	97	89	83	78	93	86	80	80	75	71	60
3	89	79	72	66	85	76	69	71	65	61	51
4	81	70	62	56	78	68	61	63	57	52	44
5	75	63	55	49	72	61	53	57	50	45	39
6	69	57	49	43	66	55	47	51	45	40	34
7	64	52	43	38	62	50	42	47	40	35	30
8	60	47	39	34	57	46	38	43	36	32	27
9	56	43	35	30	54	42	35	39	33	29	24
10	52	40	32	27	50	39	32	36	30	26	22

Avg. Luminance (cd/m2)

Vertical Angle	Horizontal Angle		
	0	45	90
55	5934	5669	5704
65	4770	4722	4914
75	3170	3249	3405
85	1627	1976	2092

Distribution

Hemisphere	18° Up / 82° Down
Glare Control	Meets RP-1-12 recommendations for VDT-Normal spaces
Spacing Along (0 °)	1.45
Spacing Across (90 °)	1.54

Philips Ledalite

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

Light Output (Lumens) **2692**

Watts **28.4**

Lumens per Watt (Efficacy) **94.79**

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

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

2700K 3000K 4500K 6500K

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 for the Label Reference Guide.

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

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3400 lm/4ft w/ 80% Down Kit*

3000/3500/4000K

Optical Performance

Nominal CCT:	3000K	3500K	4000K
Flux (lm)	2578	2692	2769
Efficacy (lm/W)	90.5	94.8	97.8
Power (W)	28.5	28.4	28.3
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	28.4W	28.4W	28.5W
Input Current	0.24A	0.11A	0.09A
Power Factor	0.994	0.962	0.953
Total Harm. Distortion	8.0%	11.6%	11.0%

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

