PHILIPS
LEDALITE

Linear

Verge Wall

3400 lm/4ft 65% Up, Asym.
3000/3500/4000K

Project:	
Spec Type:	
Catalog No:	7608LxEQN
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

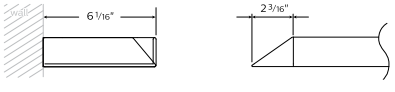
Product Type	Source	Color Temp *	Lumens *	Lower Optics	Upper Optics	Run Length	Wiring †	Voltage	Driver	Finish
7608	L		E	Q	N					
Verge Wall Direct/Ind	L LED	A 4000K B 3500K C 3000K	C 4400 lm/4ft E 3400 lm/4ft G 2300 lm/4ft	Q MesoOptics Lens	N Lightguide	04 4' 08 8' XX Total run length (4' increments)	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

Endcaps -



mesoOptics

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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_{80} (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).

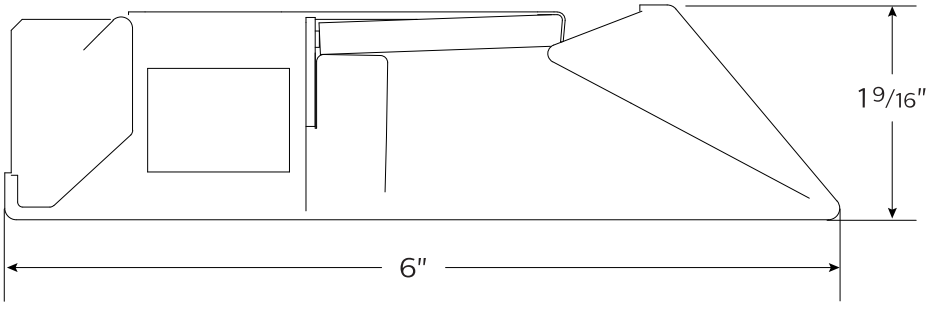
Warranty

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.

Dimensions - Cross Section



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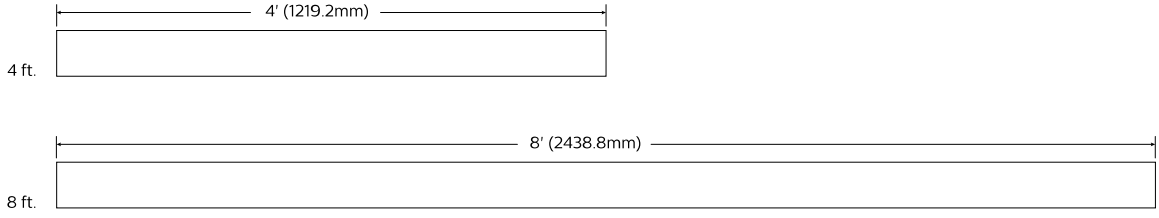
Dimensions - Modules

Modules

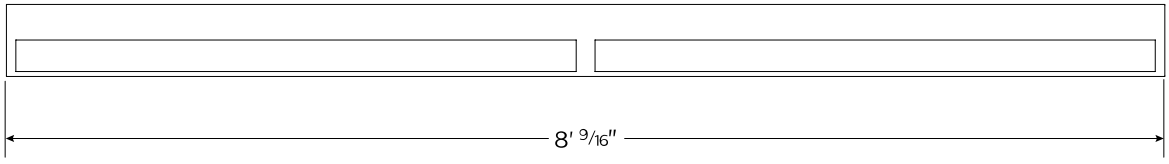
Module length excludes end caps. Nominal mounting spacing for individually mounted modules.



Note: Refer to installation instructions for exact mount.

Optics and Styles

Lens view



Wall
(without endcaps)

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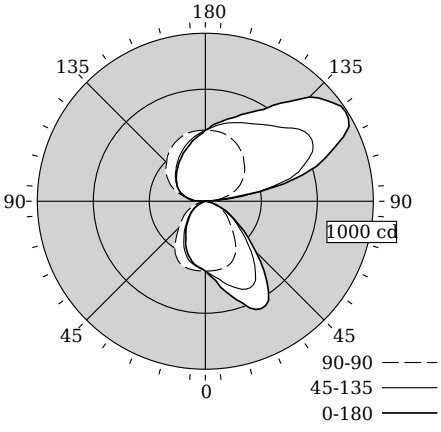
Photometry - 3500K



66% Up / 34% Down

Candela Distribution

Vertical Angle	Horizontal Angle 0	45	90	135	180	Zonal Lumens
0	416	416	416	416	416	0
5	454	441	416	399	396	40
15	580	514	413	367	350	125
25	711	577	387	301	278	203
35	656	520	314	218	200	235
45	426	357	223	147	136	203
55	243	225	159	96	87	150
65	133	127	99	45	31	92
75	47	47	41	0	0	35
85	6	6	5	0	0	6
90	0	0	0	0	1	0
95	55	125	56	70	85	86
105	594	522	149	128	138	290
115	907	705	228	176	179	401
125	986	723	284	214	209	402
135	878	624	325	250	241	341
145	695	559	368	287	276	268
155	577	516	398	328	314	195
165	506	481	418	369	350	120
175	452	441	423	405	395	40
180	423	423	423	423	423	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		0
	Wall:	70	50	30	10	70	50	30	50	30	10	0
0		103	103	103	103	93	93	93	74	74	74	34
1		95	91	87	84	85	82	79	66	64	62	29
2		86	80	74	69	78	72	67	58	55	52	25
3		79	70	63	58	71	64	58	51	47	44	22
4		72	62	55	49	65	57	50	46	41	38	19
5		66	55	48	42	60	50	44	41	36	33	17
6		61	50	42	36	55	45	39	37	32	28	15
7		57	45	37	32	51	41	34	34	29	25	13
8		52	41	33	28	47	37	31	31	26	22	12
9		49	37	30	25	44	34	28	28	23	20	11
10		45	34	27	22	41	31	25	26	21	18	10

Avg. Luminance (cd/m2)

Vertical Angle	Horizontal Angle 0	90	180
55	5351	3498	1910
65	3990	2969	915
75	2274	1981	0
85	847	735	0

Distribution

Hemisphere	66% Up / 34% Down
Peak/Zenith	2.34
Peak Output	991 cd
Glare Control	Meets RP-1-12 recommendations for VDT-Critical spaces

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Optical Performance

Nominal CCT:	3000K	3500K	4000K
Flux (lm)	3096	3233	3325
Efficacy (lm/W)	93.3	97.7	100.8
Power (W)	33.2	33.1	33.0
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	33.1W	32.7W	33.5W
Input Current	0.28A	0.12A	0.10A
Power Factor	0.996	0.965	0.964
Total Harm. Distortion	6.8%	13.0%	9.0%
Tested values . contact technical support for rated values. Off-state power zero unless certain controls are specified.			

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