



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.

Verge includes AccuRender technology for the highest color quality at the highest efficacy.

Project: _____

Location: _____

Cat.No: _____

Type: _____

Line ID: _____

Qty: _____

Notes: _____

Ordering guide

example: 7608LBEQN087DEW

Family	Source	CRI/CCT ¹	Lumens ¹	Optics	Distribution	Run Length	Wiring ²	Voltage	Driver	Finish
7608	L			Q	N				E	
7608 Verge Wall	L LED	A CRI 90, 4000K B CRI 90, 3500K C CRI 90, 3000K	C 4400 lm/4ft E 3400 lm/4ft G 2300 lm/4ft	Q MesoOptics Lens	N Lightguide	04 4ft 08 8ft xx Continuous Run (4ft increments)	7 1cct Dimming E 2cct A/B Dimming (Alt. 4ft sections) M 1cct Dimming + EM Wiring N 1cct Dimming + EM Batt. Pack	D UNV 120-277V 3 347V	E Advance 0-10V (1% Dim)	W Standard White T Titanium Silver B Black C Custom

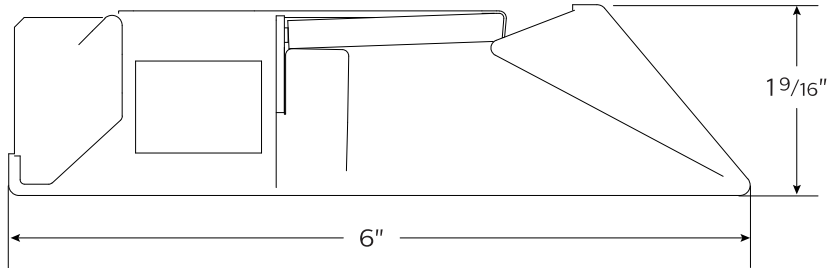
1. Nominal values within a range. Consult photometry data for color temp, lumens & distribution of chosen configuration.

2. Not all wiring types are available with all configurations. Consult Ledalite for a complete list of available options.

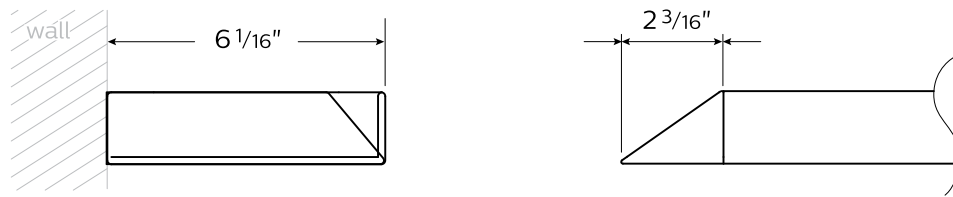
Verge linear wall

Cross Section View

MesoOptics + Lightguide Distribution (QN)

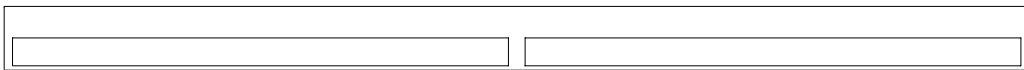


Cross Section View – Endcaps



Cross Section View – Optics Details

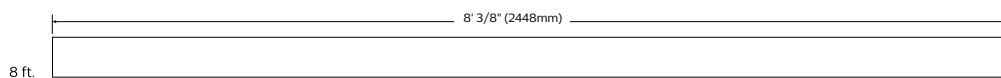
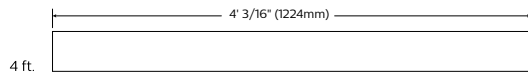
Lens View



Wall
(without endcaps)

Module Details & Dimensions

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



Note: Refer to installation instructions for exact mount.

Verge linear wall

Specifications

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.

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

Advance Xitanium 0-10V, 1-100%. Class 2 rated output. Consult Ledalite for other available drivers.

Standard Battery Pack

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-21-21 is: L₈₀ (10k) >60,000 hrs (Reported methodology).

Source Color

LEDs rated for color rendering CRI >90 and R9 > 50, and fixture to fixture color accuracy within 2 SDCM.

Mounting

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.

Warranty

Signify indoor professional luminaires 5 year LED warranty: www.signify.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.

Verge linear wall

Photometrics**

MesoOptics + Lightguide Distribution (QN)

(Click "PDF" and "IES" text to Download)

Lumen Package	Nominal CRI & CCT	Flux (lm)	Watts (W)	Efficacy (LPW)	CRI	RP-1 VDT	Photometry Report	IES File
4400lm/4ft	CRI 90, 4000K	4274	43.9	97.4	90+	Normal spaces	PDF	IES
	CRI 90, 3500K	4156	44.0	94.5	90+	Normal spaces	PDF	IES
	CRI 90, 3000K	3979	44.2	90.0	90+	Critical spaces	PDF	IES
3400lm/4ft	CRI 90, 4000K	3325	33.0	100.8	90+	Critical spaces	PDF	IES
	CRI 90, 3500K	3233	33.1	97.7	90+	Critical spaces	PDF	IES
	CRI 90, 3000K	3096	33.2	93.3	90+	Critical spaces	PDF	IES
2300lm/4ft	CRI 90, 4000K	2286	21.7	105.3	90+	Critical spaces	PDF	IES
	CRI 90, 3500K	2223	21.8	102.0	90+	Critical spaces	PDF	IES
	CRI 90, 3000K	2128	21.9	97.2	90+	Critical spaces	PDF	IES

**Photometry is measured to IES standards using CRI 80 LEDs. New AccuRender high efficacy CRI 90 LEDs will meet or exceed posted energy specifications including wattage, lumen output, and efficacy.

CANDELA DISTRIBUTION						Flux
	0	22.5	45	67.5	90	Lumens
0	416	416	416	416	416	
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	
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	

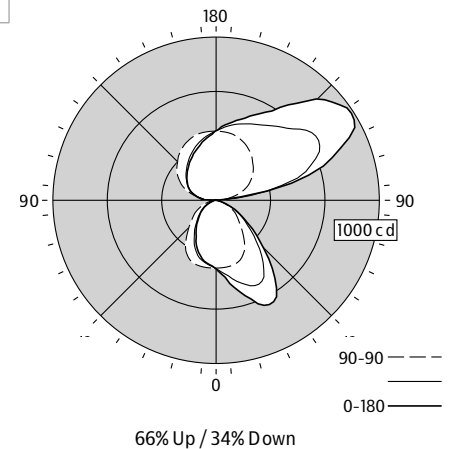
*Photometric data shown is for 3400 lm/4ft, 3500K, 90 CRI configuration.

COEFFICIENTS OF UTILIZATION (%)												
Pc---	80				70			50			0	
Pw---	70	50	30	10	70	50	30	50	30	10	0	
RCR												
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	

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Fixture	%Lamp
0-30	368	11.4%	11.4%
0-40	603	18.7%	18.7%
0-60	955	29.6%	29.6%
0-90	1089	33.7%	33.7%
90-130	1179	36.5%	36.5%
90-150	1788	55.3%	55.3%
90-180	2144	66.3%	66.3%
0-180	3233	100.0%	100.0%

Electrical				
120V: P, I, THD, PF	33.1	0.277	6.8	0.996
277V: P, I, THD, PF	32.7	0.122	13.0	0.965
347V: P, I, THD, PF	N/A	N/A	N/A	N/A

AVG LUMINANCE (cd/m ²)			
	0	45	90
0	5254	5254	5254
5	5766	5276	5025
15	7585	5399	4573
25	9910	5401	3875
35	10125	4845	3080
45	7609	3991	2437
55	5351	3498	1910
65	3990	2969	915
75	2274	1981	0
85	847	735	0



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Signify North America Corporation
400 Crossing Blvd, Suite 600
Bridgewater, NJ 08807
Telephone 855-486-2216

Signify Canada Ltd.
281 Hillmount Road,
Markham, ON, Canada L6C 2S3
Telephone 800-668-9008

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