

1.8" SLIM PEDANT By VONN Lighting

VSL218ADCCT / VSL418ADCCT / VSL818ADCCT

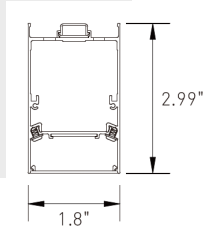


PROJECT:

TYPE:

CATALOG#:

DATE:



DESCRIPTION

The Vonn SLIM 1.8" linear pendant lighting collection offers a distinctive design that transforms any space into a focal point. Its sleek, timeless forms integrate seamlessly with modern workplaces and contemporary décor. Featuring smooth uplight and downlight, it ensures better ceiling light uniformity and allows for wider fixture spacing. The Vonn SLIM 1.8" linear pendant also provides creative versatility, with various shapes and patterns that add a playful touch to any room.

FEATURES

- 90+ CRI, 2ft, 4ft and 8ft length option
- 2 lighting distributions by visible DIP switch
- CCT and wattage adjustable by visible DIP switch
- Individual units or continuous runs
- Custom pattern with optional Line, L, X, T, Y, V joiners
- Dry ceiling or T-Grid ceiling compatible
- Pendant, surface and wall mount
- cULus listed, Damp locations and 5 years limited warranty



ADJUSTABLE CCT

3000K
3500K
4000K

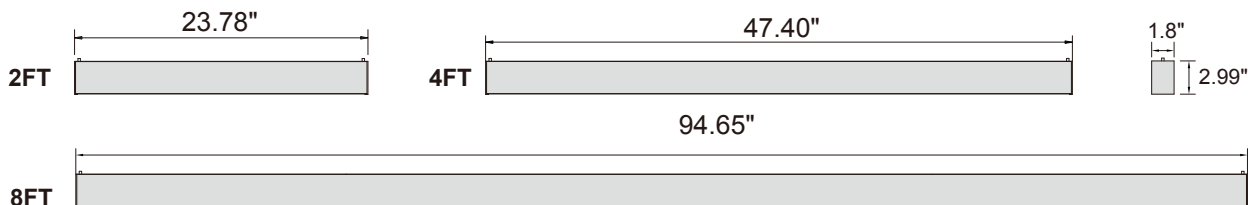
SELECTABLE WATTAGE

High
Medium
Low

PERFORMANCE

FINISH	LENGTH	WATTAGE SELECTABLE	LUMEN (25% UP / 75% DOWN)			LUMEN (100% DOWN)			EFFICACY
			3000K	3500K	4000K	3000K	3500K	4000K	
WHITE	2ft	20W/15W/10W	1120~2240LM	1220~2440LM	1170~2340LM	1050~2100LM	1150~2300LM	1100~2200LM	580~1170 LM/FT
	4ft	40W/30W/20W	2240~4480LM	2340~4880LM	2340~4680LM	2100~4200LM	2300~4600LM	2200~4400LM	
	8ft	80W/60W/40W	4480~8960LM	4680~9360LM	4680~9360LM	4200~8400LM	4600~9200LM	4400~8800LM	
BLACK	2ft	20W/15W/10W	920~1840LM	1020~2040LM	970~1940LM	850~1700LM	950~1900LM	900~1800LM	480~970 LM/FT
	4ft	40W/30W/20W	1840~3680LM	2040~4080LM	1940~3880LM	1700~3400LM	1900~3800LM	1800~3600LM	
	8ft	80W/60W/40W	3680~7360LM	4080~8160LM	3880~7760LM	3400~6800LM	3800~7600LM	3600~7200LM	

DIMENSIONS



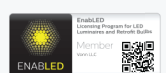
Theoretical Lumens: XXX LM (subject to change)

Theoretical Wattage: XXX W (subject to change)

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MOUNTING

Canopy Style



1.6" Round
(Non Power Feed)

○ WH ● BL

4.5" Round
(Power Feed)

○ WH ● BL

4.5" Round With
Emergency Driver
(Non Power Feed)

○ WH ● BL

5.8" Round With
Occupancy Sensor
(Power Feed)

○ WH ● BL

1.6" Square
(Non Power Feed)

○ WH ● BL

4.5" Square
(Power Feed)

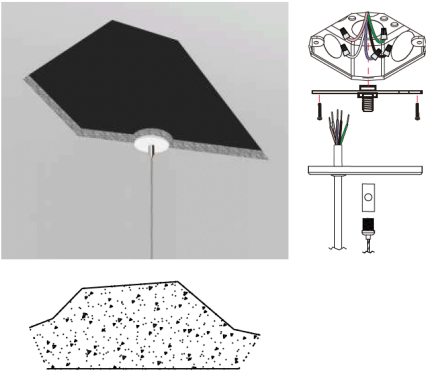
○ WH ● BL

4.5" Square With
Emergency Driver
(Non Power Feed)

○ WH ● BL

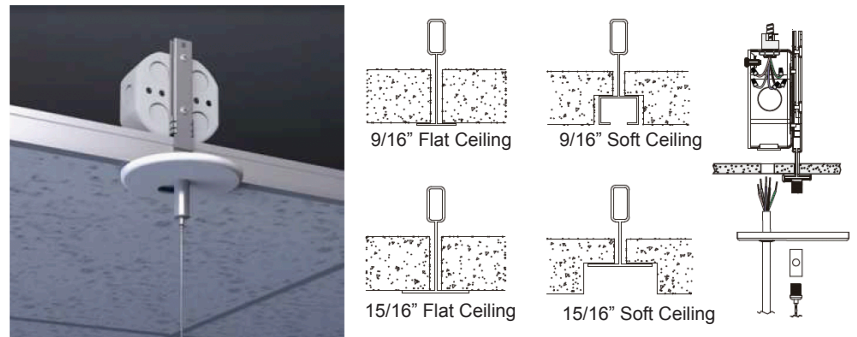
DRY CEILING / OFF GRID

"Various Hard Ceilings" (Mount to J-Box)



DRY CEILING / ON GRID

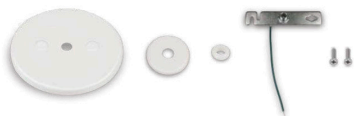
Suspending the luminaire in the T-Grid. Compatible for various T-Grid, including 9/16" Flat, 9/16" Slot, 15/16" Flat.



*Please see the installation instruction for more details.

Pendant Accessories For Dry Ceiling

Canopy Kits



Power Cord Kits



4FT Standard
(12FT Available)

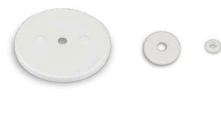
Aircraft Cable Kits



5FT Standard
(12FT Available)

Pendant Accessories For Drop Ceiling

Canopy Kits



Power Cord Kits



4FT Standard
(12FT Available)

Junction Box



Aircraft Cable Kits



5FT Standard
(12FT Available)

T-grid Clips



For 9/16" and 15/16"
Flat Ceiling
(2 Clips/Set)



For 9/16" Slot Ceiling
(2 Clips/Set)



For 15/16" Slot Ceiling
(2 Clips/Set)

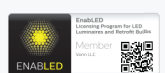
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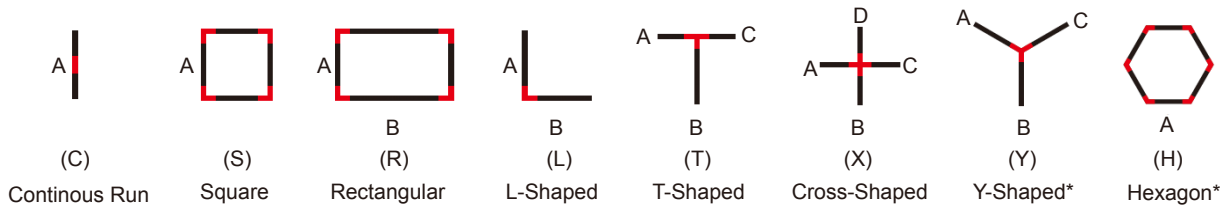
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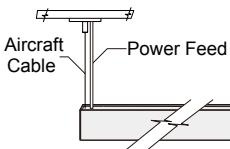
MOUNTING

Luminaire Run Length (ft)	Run Configuration	Line Joiner	5' Power Cable	5' Aircraft Cable	Canopy
2	2'	-	1	2	2
4	4'	-	1	2	2
6	4'+2'	1	1	3	3
8	8'	-	1	2	2
10	8'+2'	1	1	3	3
12	8'+4'	1	1	3	3
14	8'+4'+2'	2	1	4	4
16	8'+8'	1	1	3	3
18	8'+8'+2'	2	1	4	4
20	8'+8'+4'	2	1	4	4
22	8'+8'+4'+2'	3	1	5	5
24	8'+8'+8'	2	1	4	4
26	8'+8'+8'+2'	3	1	5	5
28	8'+8'+8'+4'	3	1	5	5
30	8'+8'+8'+4'+2'	4	1	6	6
32	8'+8'+8'+8'	3	1	5	5
34	8'+8'+8'+8'+2'	4	1	6	6
36	8'+8'+8'+8'+4'	4	1	6	6
38	8'+8'+8'+8'+4'+2'	5	1	7	7
40	8'+8'+8'+8'+8'	4	1	6	6

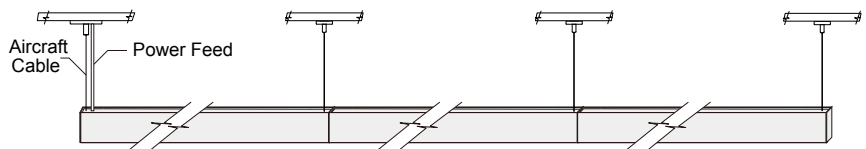
Note: 4.5" canopy is designed for power cable



Individual

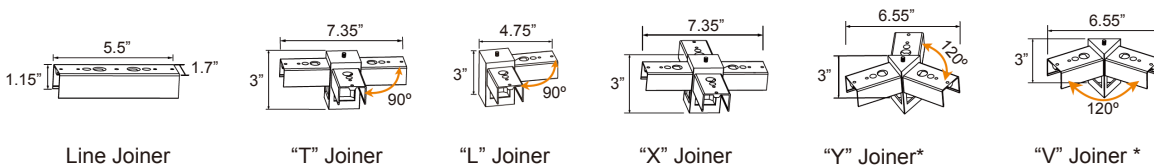


Continuous Run



Individual or continuous run, up to 40ft in 120V AC, 100ft in 277V AC.

Custom Pattern With Non-lit Joiners



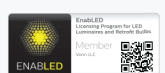
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OPTIONAL FUNCTION

Emergency Option

VONN Lighting offers UL & CEC Listed LED emergency drivers. When AC power fails it, immediately switches to the emergency mode operating for lighting minimum 90 minutes. When AC power is restored it, automatically returns to the charging mode which meets critical life-safety lighting requirements.



EME

Order Separated LED emergency driver to external

Optional 8w or 25w high voltage LED emergency driver can be provided if you need and do it wiring in field. For more info or spec sheet please visit our website or contact sales.



Code-Required Testing

• Initial Self-Test After Installation

It will perform a functional test in 3 seconds after the driver installed to check the wiring and battery output when work. The indicator LED will be off or flicker in case of a failure or an error.

• Second Self-Test In 120 Minutes

It will perform second test in 120 minutes to check again. Upgrade in Gen 3: Repeat 4 times in every 120 minutes if fail in the second test.

• Monthly Self-Test

It will automatically perform a test every 30 days with a duration of 3 seconds, in which the wiring and battery output are checked. In case of a failure or an error, the indicator LED will be off or flicker.



OCC

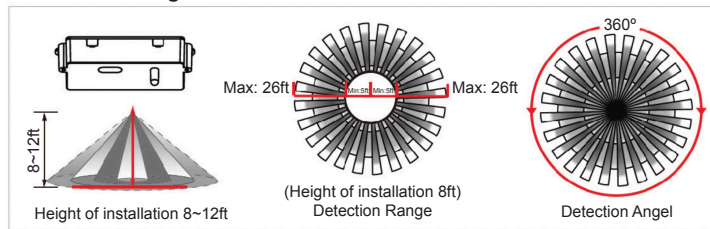
We can provide a factory-installed integrated sensor system for multi-level control based on motion and/or daylight contribution with BRI810-B-D level & daylight harvest microwave sensor from SHARKWARD. For more info or spec sheet, please contact sales.



Specification

Power Supply	120/277 VAC 50
Maximum load @-40°F~+158°F (-40°C~+70°C)	Resistive/ Tungsten-600W@120V Electronic Ballast(LED)-800VA@120V/1200VA@277V
HF System	5.8GHz CW
Dim Control Output	0-10V,max.25mA sinking current
Detection Radius/angle	Max 26ft.(8m)/360
Mounting Height	Max 12ft
Humidity	Max.95% RH
Temperature	-40°F~+158°F (-40°C~+70°C)

Sensor Coverage



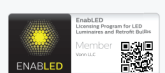
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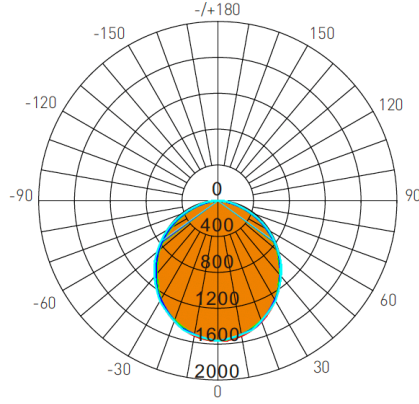
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DISTRIBUTION DIAGRAM

4' / Diffuser/100% Down/3000K



AVERAGE BEAM ANGLE(50%): 107.4°

Lumens: 4175.42 Lm
Watts: 40 W
LPW: 107.97 Lm/W
CCT: 3000K

UNIT: cd
— C0/180, 107.7°
— C30/210, 105.9°
— C60/240, 107.1°
— C90/270, 108.9°

Zonal Flux Diagram

T	C0	C45	C90	C135	C180
5	1556	1543	1539	1542	1555
10	1532	1513	1514	1513	1528
15	1490	1475	1490	1475	1487
20	1433	1430	1423	1432	1429
25	1363	1353	1356	1359	1360
30	1282	1268	1290	1277	1277
35	1190	1180	1192	1194	1186
40	1090	1086	1095	1093	1087
45	984.1	972.8	997.1	903.1	982.0
50	871.7	859.5	880.8	717.3	870.4
55	756.0	747.0	764.5	563.3	753.9
60	634.8	616.5	648.3	465.0	633.8
65	510.5	488.9	519.9	373.3	510.2
70	384.1	361.7	391.5	283.0	384.4
75	259.5	235.0	263.1	194.8	257.1
80	141.1	120.8	176.0	115.2	139.2
85	43.64	60.87	88.86	59.69	25.85
90	0.7283	2.885	1.718	5.544	3.443
95	1.779	2.816	1.973	4.765	0.5225
100	1.956	2.742	2.228	4.015	0.7466
105	2.181	2.862	2.483	4.599	1.017
110	2.418	2.997	2.832	5.326	1.321
115	2.619	3.078	3.181	5.658	1.638
120	2.871	3.146	3.530	5.661	1.941
125	3.091	3.239	3.785	5.580	2.264
130	3.306	3.442	4.039	5.066	2.544
135	3.530	3.716	4.294	4.649	2.810
140	3.712	4.043	4.347	4.380	3.043
145	3.880	4.233	4.400	4.376	3.277
150	4.029	4.362	4.453	4.417	3.557
155	4.127	4.466	4.439	4.556	3.795
160	4.230	4.512	4.426	4.705	3.991
165	4.318	4.405	4.412	4.765	4.164
170	4.318	4.354	4.374	4.534	4.290
175	4.248	4.286	4.337	4.390	4.397
180	4.300	4.300	4.300	4.300	4.458
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

T	φ total
0-5	37.10
5-10	146.5
10-15	324.3
15-20	563.8
20-25	855.4
25-30	1189
30-35	1552
35-40	1932
40-45	2314
45-50	2684
50-55	3028
55-60	3337
60-65	3603
65-70	3818
70-75	3977
75-80	4081
80-85	4138
85-90	4157
90-95	4158
95-100	4159
100-105	4160
105-110	4162
110-115	4163
115-120	4164
120-125	4166
125-130	4167
130-135	4168
135-140	4170
140-145	4171
145-150	4172
150-155	4173
155-160	4174
160-165	4174
165-170	4175
170-175	4175
175-180	4175
	UNIT: lm

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	9446	19236
80	15327	19123
75	18920	19183
70	21187	21598
65	22791	23210
60	23954	24462
55	24868	25149
50	25588	25854
45	26258	26605

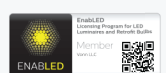
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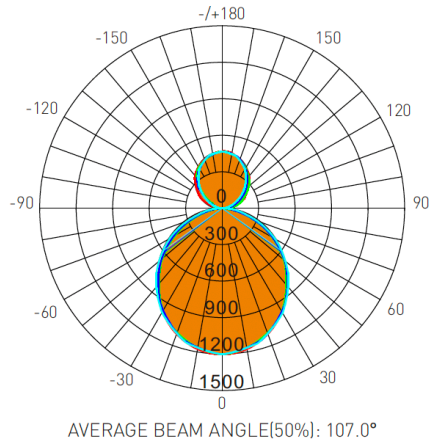
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4' / Diffuser/25% Up,75% Down/3000K



Lumens: 4463.53 Lm
Watts: 40 W
LPW: 117.05 Lm/W
CCT: 3000K

UNIT: cd
— C0/180, 107.8°
— C30/210, 105.0°
— C60/240, 106.3°
— C90/270, 108.7°

Zonal Flux Diagram

τ	C0	C45	C90	C135	C180
5	1196	1186	1184	1186	1196
10	1176	1163	1166	1164	1176
15	1144	1134	1147	1137	1144
20	1100	1099	1096	1105	1101
25	1046	1040	1045	1049	1047
30	983.8	974.0	994.5	987.2	983.9
35	913.6	905.7	919.2	923.9	913.6
40	836.9	833.7	844.0	846.3	838.4
45	755.3	746.1	768.7	769.8	756.8
50	669.2	659.0	679.5	679.5	671.7
55	579.4	572.1	590.3	583.6	582.0
60	486.8	469.5	501.1	489.7	489.7
65	391.2	368.8	402.2	393.0	394.7
70	294.2	268.6	303.3	225.0	298.3
75	198.5	168.9	204.3	159.3	200.2
80	106.8	81.23	136.7	99.44	108.9
85	33.35	48.53	69.09	53.24	21.01
90	2.077	17.62	1.475	8.028	4.643
95	37.89	55.62	20.43	30.93	9.619
100	85.15	92.66	39.39	54.84	50.11
105	132.6	120.2	58.34	90.05	99.92
110	171.1	146.7	90.93	124.8	147.2
115	203.4	175.7	123.5	154.9	192.7
120	225.3	208.1	156.1	184.7	222.0
125	250.5	242.3	193.6	217.3	250.6
130	281.2	271.9	231.1	253.0	282.4
135	315.0	300.8	268.6	288.1	317.3
140	344.3	330.5	303.8	321.1	349.4
145	366.5	355.0	339.1	347.7	372.3
150	386.3	378.6	374.4	372.5	392.5
155	406.6	404.4	398.0	397.7	411.0
160	426.0	428.6	421.5	421.8	427.1
165	445.1	443.3	445.1	435.6	441.9
170	460.3	455.2	453.3	449.3	453.6
175	468.6	463.9	461.4	460.9	463.9
180	469.5	469.5	469.5	469.5	468.2
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

τ	φ total
0-5	28.52
5-10	112.6
10-15	249.2
15-20	433.4
20-25	657.5
25-30	913.6
30-35	1193
35-40	1485
40-45	1778
45-50	2062
50-55	2327
55-60	2564
60-65	2768
65-70	2933
70-75	3055
75-80	3155
80-85	2975
85-90	2989
90-95	2993
95-100	3232
100-105	3271
105-110	3326
110-115	3394
115-120	3474
120-125	3565
125-130	3667
130-135	3777
135-140	3890
140-145	4003
145-150	4111
150-155	4209
155-160	4296
160-165	4367
165-170	4420
170-175	4452
175-180	4464
	UNIT: lm

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	7220	14957
80	11609	14854
75	14471	14895
70	16230	16730
65	17465	17956
60	18369	18911
55	19060	19419
50	19643	19946
45	20155	20511

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