

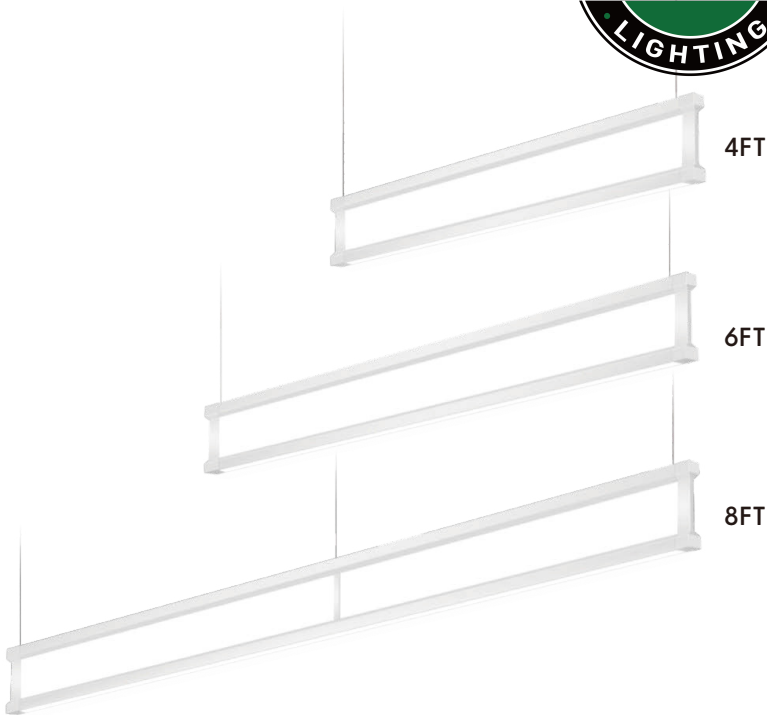
Velora Vertical Pendant Series

Spec-Grade | Vertical Architectural LED



The Vertical Pendant Series is a statement in architectural illumination, combining innovative optics, exceptional visual comfort, and refined aesthetics into a distinctive vertical form. Defined by its ultra-thin, semi-transparent vertical optic and signature sloped profile, Velora Vertical transforms light into an architectural element that elevates the character of any space.

Engineered to provide a precise balance of direct and indirect illumination, Velora Vertical distributes light evenly between task surfaces below and the surrounding architectural environment, creating a comfortable, visually dynamic atmosphere. Available with both di user and louver optic options, the system is designed to meet the highest standards of visual comfort while maintaining exceptional efficiency and performance.



Designed with flexibility in mind, Velora Vertical is available in 4', 6', and 8' lengths, delivering up to 1,100 lumens per foot. Field-selectable color temperatures of 3000K, 3500K, and 4000K are easily adjusted via a visible DIP switch, while continuous runs up to 40 feet per power feed allow for seamless architectural integration. Its precision-engineered joining system ensures fast, intuitive installation and clean, uninterrupted lines of light. Ideal for conference rooms, workplace environments, hospitality spaces, educational facilities, and retail applications, Velora Vertical is designed for projects where performance and architectural expression are equally important.

Feature

- 4',6' and 8' length options, up to 1100 lm/ft
- Transparent vertical optics
- Direct and indirect lighting distribution
- 0-10V dimming, dim to 10% or 1% options
- CCT adjustable 3000K,3500K,4000K by visible Dip switch
- Continuous runs, up to 40' per power feed
- Application flexibility, T-grid or dry ceiling compatible
- UL Listed, Damp Rated, 5 years limited warranty

PERFORMANCE

Optics	4FT 40W			6FT 60W			8FT 80W		
	3000K	3500K	4000K	3000K	3500K	4000K	3000K	3500K	4000K
Di user	4000lm, 1000lm/ft	4400lm, 1100lm/ft	4400lm, 1100lm/ft	6000lm, 1000lm/ft	6600lm, 1100lm/ft	6600lm, 1100lm/ft	8000lm, 1000lm/ft	8800lm, 1100lm/ft	8800lm, 1100lm/ft
Louver	3200lm, 800lm/ft	3400lm, 850lm/ft	3400lm, 850lm/ft	4800lm, 800lm/ft	5100lm, 850lm/ft	5100lm, 850lm/ft	6400lm, 800lm/ft	6800lm, 850lm/ft	6800lm, 850lm/ft

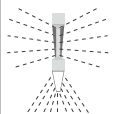
Lumen output may vary by ±5%. Actual wattage may also vary by ±5%



PRODUCT ORDERING GUIDE

Example: V-LV4-WH-4400L-D10-80TW-D-DF

Default Settings: Maximum wattage, 4000K .

VLV					80	TW	D	
Product Series	Length	Finish	Lumen	0-10V Dim	CRI	CCT	Lighting Distribution	Down Lens
VLV Vertical Linear	4 4 Feet	WH White	4400lm 4ft, up to 4400lm	D10 110-277V AC Dims to 10% Tested Dimmers: Lutron-Diva-Dvtv, Leviton-IP-710-DL	80 80+ CRI (Standard)	TW CCT adjustable 3000K/3500K/4000K	D Direct & Indirect 	DF Di user  LV Louver * 
	6 6 Feet	BL Black	6600lm 6ft, up to 6600lm					
	8 <i>Make to Order</i> 8 Feet*	CM <i>Make to Order</i> Custom*	8800lm 8ft, up to 8800lm The lumens are subject to di user with 4000K, 80+ CRI and white finish.	D01 110-277V AC Dim to 1%	90 <i>Make to Order</i> 90+ CRI*			

OPTIONAL PENDANT ACCESSORY

Ceiling Type	Canopy	Power Cord & Aircraft cable	Optional Functions
DW Dry ceiling Mount to J-box	RDWH 1.6" Round & White 4.5" Round & White (Designed for power cable)	C05WH 4 ft white power cord + 5ft aircraft cable	EME Emergency Function (Order separated external LED emergency driver)
TF Drop ceiling clips for 9/16" and 15/16" flat ceiling	SQWH 1.6" Square & White 4.5" Square & White (Designed for power cable)	C12WH 12 ft white power cord + 12ft aircraft cable	OCC Sensor Function (Order separated occupancy sensor that built-in 5.8inch round canopy)
TS Drop ceiling clips for 9/16" slot Ceiling	RDBL 1.6" Round & Black 4.5" Round & Black (Designed for power cable)	C05BL 4 ft black power cord + 5ft aircraft cable	
TX Drop ceiling clips for 15/16" slot Ceiling	SQBL 1.6" Square & Black 4.5" Square & Black (Designed for power cable)	C12BL 12 ft black power cord + 12ft aircraft cable	

CUSTOM LINE ORDERING GUIDE

Example: LV-C18-WH-D10-DW-RDWH-CO5WH

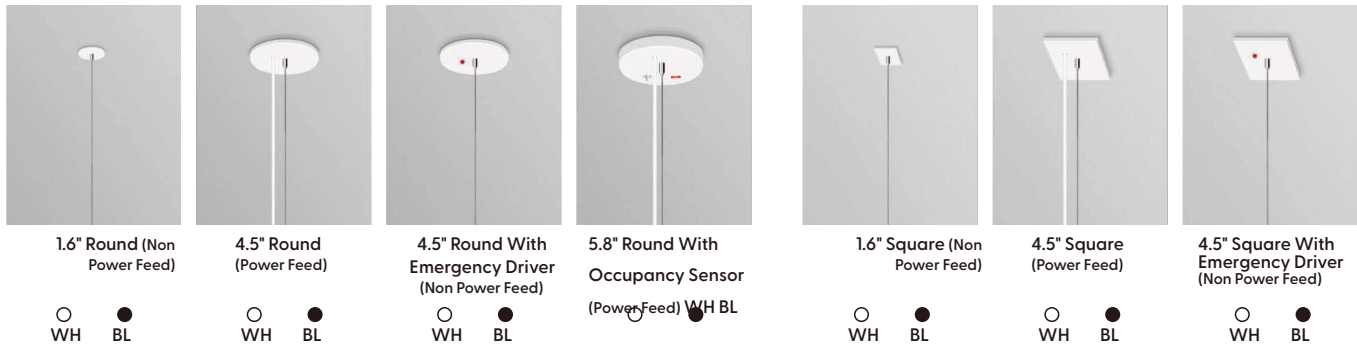
CUSTOM LINE (ENTER LENGTH IN FEET)	Finish	0-10V Dim	Ceiling Type	Canopy	Power Cord& Aircraft cable
LV-C___ Up to 8ft Continuous Run Section (Enter length in product code above, ex. C18)	WH White	D10 110-277V AC Dims to 10% Tested Dimmers: Lutron-Diva-Dvtv, Leviton-IP-710-DL	DW Dry ceiling Mount to J-box	RDWH 1.6" Round & White 4.5" Round & White (Designed for power cable)	C05WH 4 ft white power cord + 5ft aircraft cable
	BL Black		TF Drop ceiling clips for 9/16" and 15/16" flat ceiling	SQWH 1.6" Square & White 4.5" Square & White (Designed for power cable)	C12WH 12 ft white power cord + 12ft aircraft cable
	CM <i>Make to Order</i> Custom *	D01 110-277V AC Dim to 1%	TS Drop ceiling clips for 9/16" slot Ceiling	RDBL 1.6" Round & Black 4.5" Round & Black (Designed for power cable)	C05BL 4 ft black power cord + 5ft aircraft cable
			TX Drop ceiling clips for 15/16" slot Ceiling	SQBL 1.6" Square & Black 4.5" Square & Black (Designed for power cable)	C12BL 12 ft black power cord + 12ft aircraft cable

* Make to Order means additional cost and/or lead time on customized fixtures may apply. Some fixtures require an MOQ. Please contact your sales rep for more information.

Damp rated for ambient operating temperature of -20°C to +40°C (-4° to +104°F)

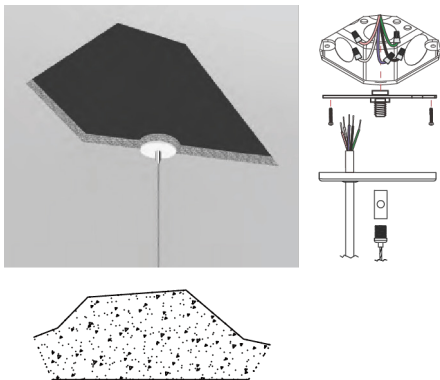
MOUNTING

Canopy Style



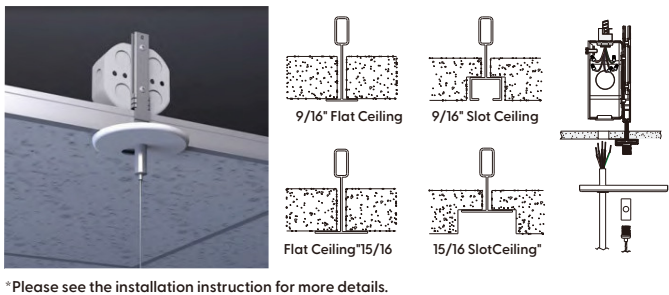
Dry Ceiling / O Grid

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



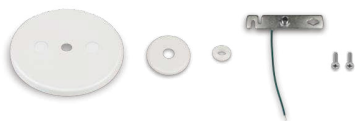
Drop Ceiling / On Grid

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

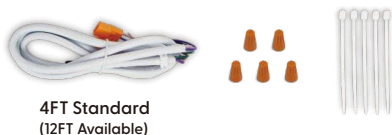


Pendant Accessories For Dry Ceiling

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

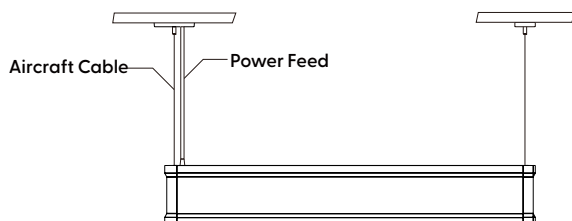


For 9/16" and 15/16" Flat Ceiling (2 Clips/Set)

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

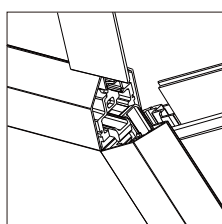
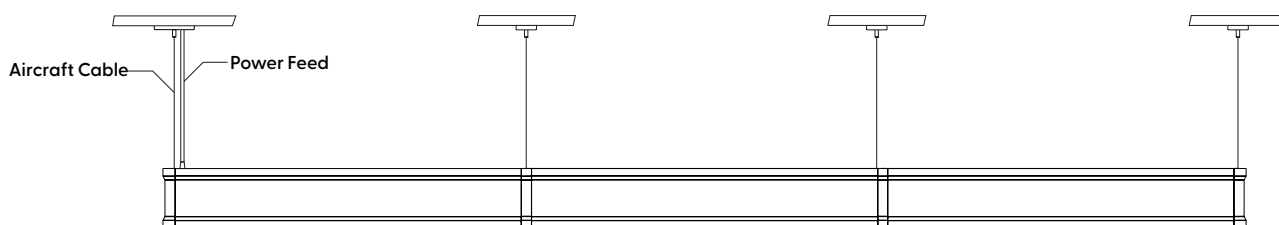
For 9/16" Slot Ceiling (2 Clips/Set)

Individual

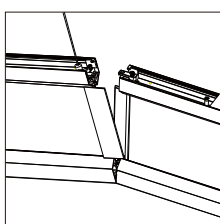


Continuous Run

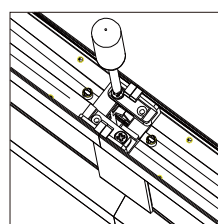
The maximum connection of each input line is up to 40FT in 120AC, 100FT in 277AC.



Align position

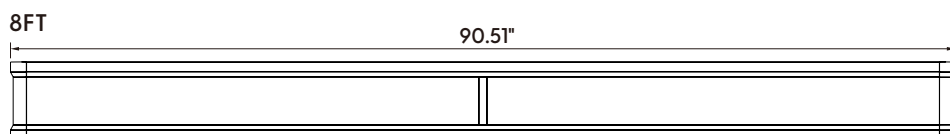
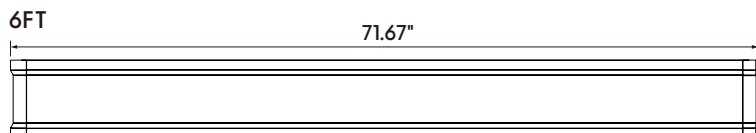
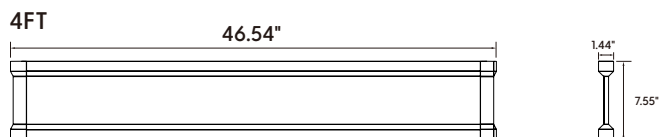


Slide fixtures together



Secure fixtures together

DIMENSIONS



OPTIONAL FUNCTION

Emergency Option

NEXT 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

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 on 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 on or flicker.

Occupancy Sensor



OCC

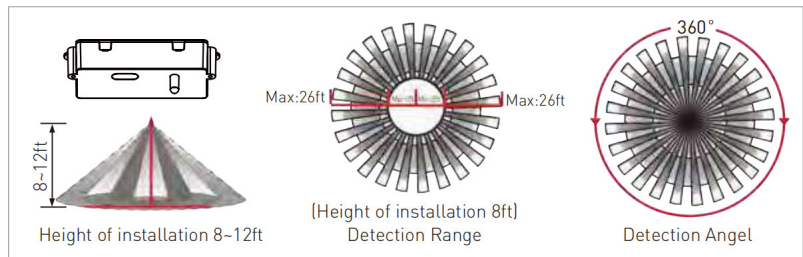
We can provide a factory-installed integrated sensor system for multi-level control based on motion and/or daylight contribution with BR1810-B-D level & daylight harvest microwave sensor from SHARKWARD. For more info or spec sheet, please contact sales.



Specification

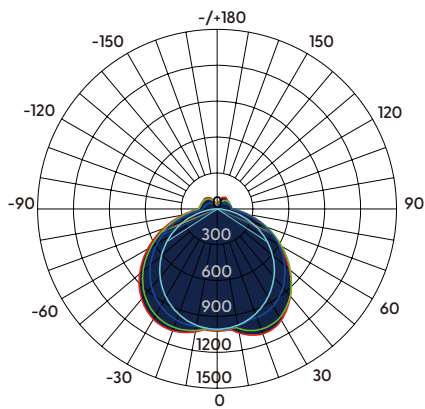
Power Supply	120/277 VAC 50/60Hz
Maximum load @-40°F~+158°F (-40°C~+70 °C)	Resistive/ Tungsten-600W @ 120V ElectronicBallast(LED)-800VA@120V/1200VA@277V
HFSystem	5.8GHzCW
DimControlOutput	0-10V, max.25mA sinkingcurrent
DetectionRadius/angle	Max26ft.(8m)/360
MountingHeight	Max12ft
Humidity	Max.95% RH
Temperature	-40°F~+158°F (-40°C~+70°C)

Sensor Coverage



DISTRIBUTION DIAGRAM

Di user



AVERAGE BEAM ANGLE(50%): 127.6°

Lumens: 4207.22 Lm
Watts: 40 W
LPW: 109.62 Lm/W
CCT: 4000K

UNIT: cd
— C0/180,133.5°
— C30/210,133.5°
— C60/240,129.7°
— C90/270,113.6°

Zonal Flux Diagram

Y	C0	C45	C90	C135	C180
10	1053	996.2	987.9	1012	1043
20	1112	1025	935.3	1018	1084
30	1075	1000	851.2	979.0	1066
40	952.5	915.2	739.6	893.5	983.6
50	787.0	783.7	604.5	766.6	847.0
60	604.9	620.6	449.1	605.5	672.5
70	416.6	440.5	278.3	424.8	478.8
80	242.5	258.5	110.0	247.3	289.8
90	123.9	130.3	2.740	143.7	159.0
100	120.5	119.6	3.909	133.9	146.8
110	113.3	116.8	3.829	126.0	141.1
120	112.3	109.1	3.944	117.6	138.0
130	113.7	92.03	4.770	106.0	134.2
140	118.4	77.33	2.787	89.37	124.8
150	116.1	59.57	3.139	66.65	103.9
160	87.65	43.48	3.301	37.76	67.08
170	21.87	20.75	3.302	4.479	15.56
180	2.967	3.143	3.211	3.161	2.963
DEG	LUMINOUS INTENSITY:cd				

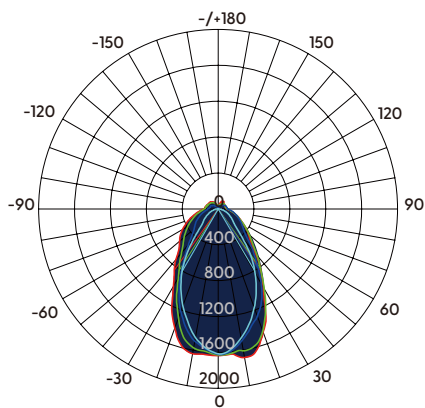
Zonal Lumens

Y	φ total
0-10	96.00
10-20	384.0
20-30	846.1
30-40	1431
40-50	2063
50-60	2662
60-70	3155
70-80	3491
80-90	3668
90-100	3787
100-110	3896
110-120	3991
120-130	4071
130-140	4133
140-150	4176
150-160	4199
160-170	4207
170-180	4207
UNIT: lm	

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	67852	17105
80	48154	21840
75	43431	25467
70	42007	28059
65	41821	29829
60	41716	30971
55	41730	31807
50	42217	32429
45	42641	32896

Louver



AVERAGE BEAM ANGLE(50%): 65.8°

Lumens: 3278.8 Lm
Watts: 40 W LPW:
84.04 Lm/W CCT:
4000K

UNIT: cd
— C0/180,70.3°
— C30/210,67.9°
— C60/240,64.3°
— C90/270,60.5°

Zonal Flux Diagram

Y	C0	C45	C90	C135	C180
10	1681	1536	1464	1540	1639
20	1464	1389	1174	1251	1415
30	1008	1008	825.6	852.5	999.1
40	645.8	654.5	421.9	578.8	733.5
50	441.9	428.7	220.7	429.0	564.5
60	320.7	316.0	147.9	342.3	460.6
70	224.5	227.9	88.91	263.3	343.1
80	149.4	161.2	39.14	192.8	239.4
90	95.30	105.0	0.5503	141.9	163.0
100	91.33	97.86	1.137	126.7	144.5
110	86.32	94.92	1.330	113.6	133.7
120	83.66	91.14	1.479	101.9	126.7
130	89.55	80.84	1.696	87.96	120.0
140	100.6	69.39	2.183	71.32	108.0
150	102.4	55.47	2.860	52.64	87.64
160	81.58	42.59	3.631	31.02	57.15
170	21.51	21.88	4.194	5.299	15.68
180	4.076	4.162	4.338	4.266	4.072
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

Y	φ total
0-10	150.4
10-20	556.1
20-30	1068
30-40	1532
40-50	1900
50-60	2215
60-70	2476
70-80	2675
80-90	2812
90-100	2918
100-110	3012
110-120	3094
120-130	3162
130-140	3214
140-150	3251
150-160	3271
160-170	3278
170-180	3279
UNIT: lm	

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	46895	6908
80	29664	7773
75	24303	8388
70	22635	8964
65	22130	9539
60	22118	10201
55	22880	10991
50	23704	11840
45	25024	13586