

Series VELP 4" Wide LED Linear Panel



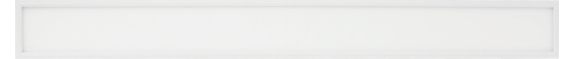
PRODUCT DESCRIPTION

The VELP series LED Linear Panel is an energy-efficient, low maintenance alternative to traditional linear fluorescen, can be recessed in grid ceiling types – providing a flexible general lighting solution for commercial environments such as offices, classrooms and public spaces, especially suitable for aisle application.

The luminaires deliver up to 100 lm/W. Available in 4' or 6' units, with a choice of DLC color temperatures including 3500K, 4000K and 5000K, features a long rated life of 50,000 hours (L70) and damp rated.

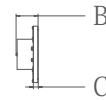
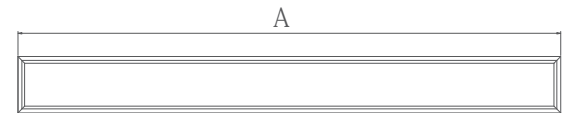


LED Linear Panel Series 4FT & 6FT x 4inch



PERFORMANCE SUMMARY

Model	VELP4-DL-XXX	VELP6-DL-XX
Input Wattage	20 Watts	30 Watts
Input Voltage	100-277V AC	100-277V AC
Delivery Lumens	2000 lm	3000 lm
Efficacy	100 lm/w	97 lm/w
Color Rendering Index (CRI)	Ra>80	Ra>80
Power Factor	PF>0.98	PF>0.95
Dimming Style	0-10V Dimming	0-10V Dimming
Signal Current	0.88 mA	0.88 mA
ETL	YES	YES
Designlights Consortium(DLC)	YES	N/A
Damp Rated	YES	YES
Warranty	5 Years	5 Years
Recommended Dimmers	DIVA-DVTV(LUTRON)	DIVA-DVTV(LUTRON)



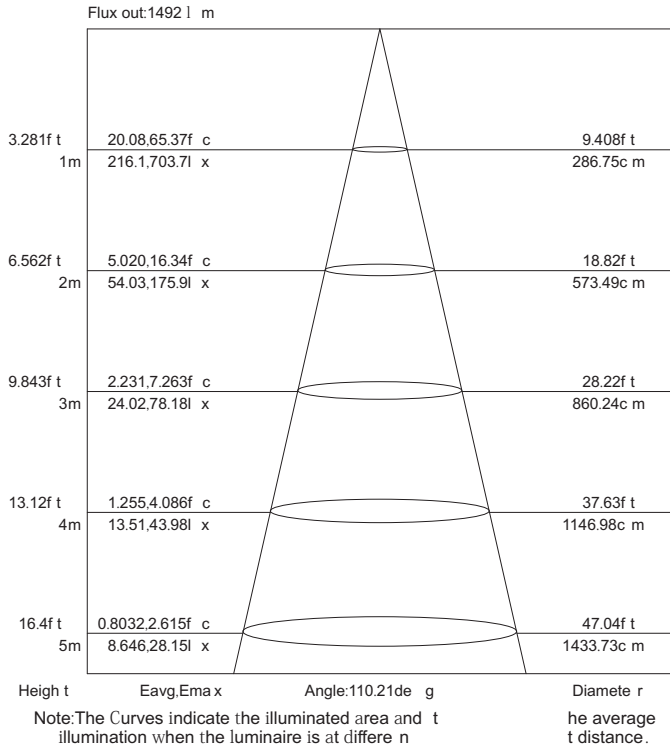
Item NO.	A	B	C
VELP4-DL-XXX	47.8"	1.95"	0.43"
VELP6-DL-XXX	71.73"	1.95"	0.43"

ORDER INFORMATION

EXAMPLE: VELP4-DL-35E

Product category	Size	Dimming	Fixture wattage	CCT(XX)	CRI(E)
VELP	4=4FT 6=6FT	D= 0-10V Dimming	L=20W (4FT) L=30W (6FT)	30=3000k 35=3500k 40=4000k 50=5000k	E=80 CRI

AVERAGE ILLUMINANCE CURVE

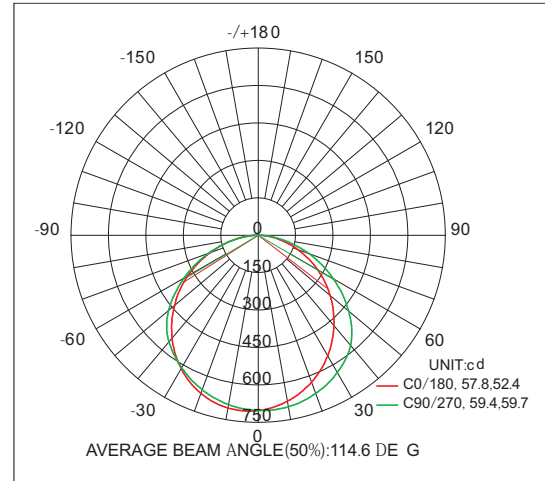


PHOTOMETRY

Fixture photometry has been conducted accredited testing laboratory in accordance with IESNA LM-79-08. IESNA LM-79-08 specifies the entire luminaire as the source resulting in a fixture efficiency of 100%. Result may vary per actual order.

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

LP4-DL-XXX



ZONAL FLUX DIAGRAM

T	C0	C45	C90	C135	C180	C225	C270	C315
10	675.4	684.7	697.6	702.5	702.3	697.9	689.1	680.0
20	626.1	646.9	674.3	675.5	674.3	670.0	658.5	637.4
30	557.2	591.1	635.0	616.7	617.9	621.1	613.7	574.5
40	472.0	518.3	575.8	532.3	537.9	552.9	557.0	490.8
50	376.9	430.9	473.4	431.3	438.3	466.2	470.0	391.7
60	274.4	325.1	347.1	316.9	327.2	357.5	344.3	284.8
70	169.3	203.6	216.8	198.8	206.9	227.3	213.1	175.8
80	71.36	86.29	92.64	86.07	92.15	97.78	89.57	73.50
90	0	0.0058	0.0117	0.0149	0	0	0	0

DEG LUMINOUS INTENSITY: cd

ZONAL LUMEN SUMMARY

T	φ zone	φ total	%lum, lamp
0-10	66.50	66.50	3.21, 3.21
10-20	191.2	257.7	12.4, 12.4
20-30	292.1	549.7	26.5, 26.5
30-40	356.5	906.3	43.7, 43.7
40-50	374.6	1281	61.8, 61.8
50-60	340.3	1621	78.2, 78.2
60-70	259.4	1881	90.7, 90.7
70-80	150.4	2031	98, 98
80-90	41.76	2073	100, 100

UNIT: lm

COEFFICIENTS OF UTILIZATION

ppc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	
pw	20%															0
pfc	20%															0
RCR	RCR: Room Cavity Ratio (CU)															0
0.0	119	119	119	116	116	116	111	111	111	106	106	106	102	102	102	00
1.0	104	99	95	101	97	94	97	94	91	93	91	88	90	87	85	83
2.0	90	83	77	88	82	76	85	79	75	81	77	73	78	75	71	69
3.0	79	71	64	77	70	63	74	68	62	72	66	61	69	64	60	58
4.0	70	61	54	68	60	54	66	59	53	64	57	52	61	56	52	49
5.0	62	53	46	61	53	46	59	51	46	57	50	45	55	49	45	43
6.0	56	47	40	55	46	40	53	46	40	52	45	40	50	44	39	37
7.0	51	42	36	50	41	36	48	41	35	47	40	35	46	39	35	33
8.0	46	38	32	46	37	32	44	37	31	43	36	31	42	36	31	29
9.0	42	34	29	42	34	28	41	33	28	40	33	28	39	32	28	26
10.0	39	31	26	39	31	26	38	30	26	37	30	25	36	30	25	24