

PRODUCT DESCRIPTION

The suspended Horizon Vertical is a commercial pendant lighting fixture. The unique design is nearly transparent when off and provides excellent uniformity and efficiency when on. Its ultra thin optics coupled with high efficacy LEDs, precisely controls light distributions between the direct surfaces below and the ambient area horizontal to the fixture. It can be mounted on both dry ceiling and drop/ T-grid ceilings. Adjustable CCT gives you flexible color options as well.

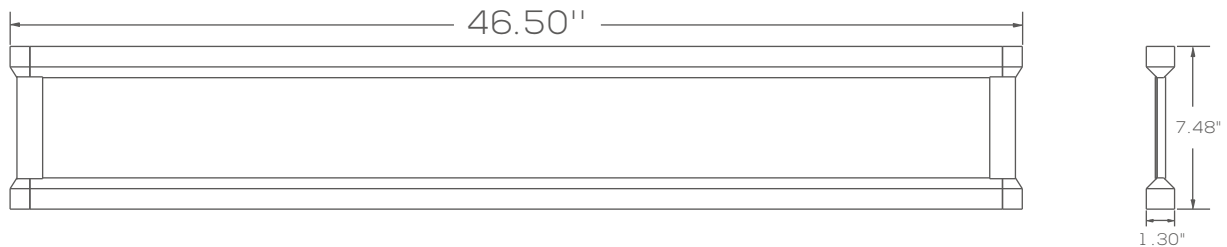


ORDER STRUCTURE

[EXAMPLE: HV/4/KADJ]

PRODUCT CATEGORY	LENGTH	CCT
HV = Horizon Vertical	4= 4 ft	KADJ = CCT Adjustable 3000K - 3500K - 4000K

DIMENSIONS



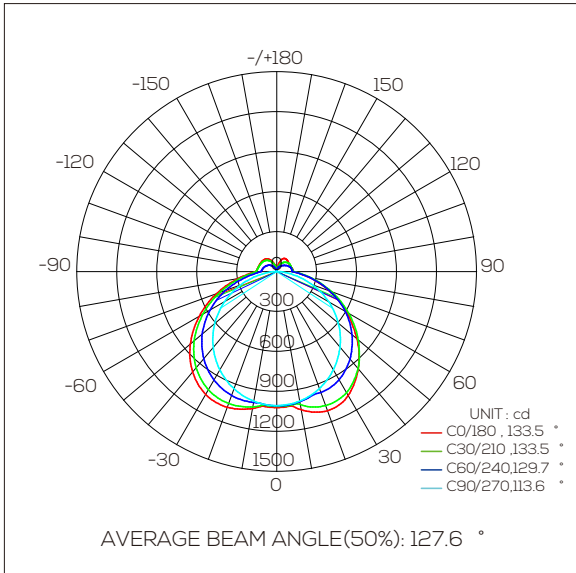
SPECIFICATIONS

GENERAL PERFORMANCE	Input Power (W)	40w
	Luminous Flux	4000 lm
	CRI	>80
	CCT	Tunable 3000k - 3500k - 4000k
	Efficacy	100 lpw
	Beam Angle	127
	Recommended Dimmers	Lutron ® Diva-Dvtv, Leviton ® IP-710-DL
	Standard Lifetime	50,000 hours
ELECTRICAL	Power Factor	>0.9
	Input Voltage	110-277V
	Light Distribution Options	Direct, Indirect
	Emergency Backup	Available, sold separately
	Surge Protection	1000V
	IP Rating	IP20, damp rated
PHYSICAL	Length	46.5"
	Width	1.3"
	Height	7.48"
	Mounting	Suspended
CERTIFICATION	Certification	UL
	Warranty	5 YEARS

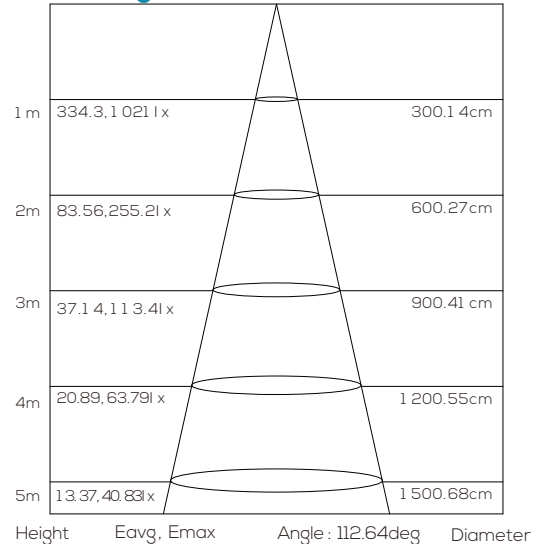
PHOTOMETRICS

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.

Distribution Diagram



Average Illuminance Curve



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

Zonal Flux Diagram

T	C0	C45	C90	C135	C180	C225	C270	C315
10	1053	996.2	987.9	1012	1043	1016	988.9	992.1
20	1112	1025	935.3	1018	1084	1024	937.0	1019
30	1075	1000	851.2	979.0	1066	987.6	853.9	997.5
40	952.5	915.2	739.6	893.5	983.6	903.6	742.9	915.1
50	787.0	783.7	604.5	766.6	847.0	777.7	608.3	785.6
60	604.9	620.6	449.1	605.5	672.5	617.4	453.3	624.2
70	416.6	440.5	278.3	424.8	478.8	435.4	282.5	444.9
80	242.5	258.5	110.0	247.3	289.8	255.7	112.3	264.1
90	123.9	130.3	2.740	143.7	159.0	145.4	2.733	131.9

DEG LUMINOUS INTENSITY:cd

Zonal Lumens Summary

T	φ zone	φ total	%lum,lamp
0-10	96.00	96.00	2.28,2.28
10-20	288.0	384.0	9.13,9.13
20-30	462.1	846.1	20.1,20.1
30-40	584.5	1431	34,34
40-50	631.9	2063	49,49
50-60	599.1	2662	63.3,63.3
60-70	493.3	3155	75,75
70-80	335.7	3491	83,83
80-90	177.8	3668	87.2,87.2

UNIT: lm

Coefficients Of Utilization

ppc	80%															0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	
pw	20%															0
	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	
pfc	20%															0
	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	
RCR	RCR:Room Cavity Ratio															87
	116	116	116	112	112	112	104	104	104	97	97	97	90	90	90	
0.0	116	116	116	112	112	112	104	104	104	97	97	97	90	90	90	87
1.0	99	94	90	95	91	87	89	85	82	83	80	77	77	75	73	70
2.0	85	78	72	82	76	70	77	71	66	71	67	63	67	63	60	57
3.0	74	66	59	72	64	58	67	60	55	62	57	52	58	54	50	47
4.0	65	56	49	63	55	48	59	52	46	55	49	44	52	46	42	40
5.0	58	49	42	56	48	41	53	45	40	49	43	38	46	41	36	34
6.0	52	43	36	50	42	36	47	40	34	44	38	33	42	36	32	29
7.0	47	38	32	46	37	31	43	35	30	40	34	29	38	32	28	26
8.0	43	34	28	41	33	28	39	32	27	37	30	26	35	29	25	23
9.0	39	31	25	38	30	25	36	29	24	34	28	23	32	26	22	20
10.0	36	28	23	35	27	22	33	26	21	31	25	21	30	24	20	18