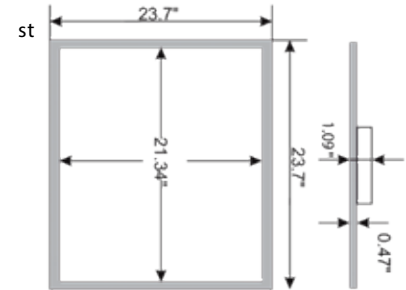
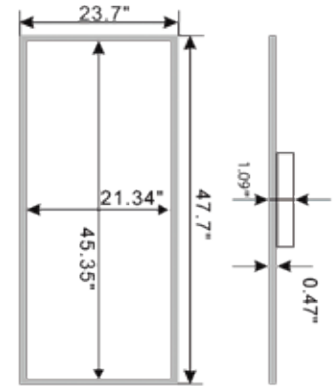


LED Flat Panel



Dimensions

LED Flat Panel

Product Enlightenment

The clean and elegant design of FS series 2X2FT and 2X4FT led flat panel light provides a modern alternative to traditional fluorescent troffer, reaching up to 102lm//w. The unique internal driver and only 1.09" thickness allow you the ability to install the LED light just about anywhere, especially for the small and confined space. It is available for 0-10v dimming and step dimming with maximum 7 years warranty

Product Attribute

Initial Delivered lumens: 4100 to 5200 lumens

Input Power: 40 and 50 Watts

CRI: >80

CCT: 4000K, 5000K

Input Voltage: 100-277 VAC or 347-480* VAC (*Longer lead time needed)

Power Factor: ≥ 0.9

THD: <20% (277V)

Mounting: Recessed, suspending

Expected life: 50,000 hours (L70)

Dimming: 0-10V dimming and step dimming

Recommended Dimmers: DIVA-DVTV, NOVA T NTSTV-DV, IP710-DL

Warranty: Maximum 7 years

Step Dimming Ratio

2X2 -40W

Step1: 40W(100%)

Step2: 24W(60%)

Step3: 9W(23%)

2X4 -50W

Step1: 50W(100%)

Step2: 24W(48%)

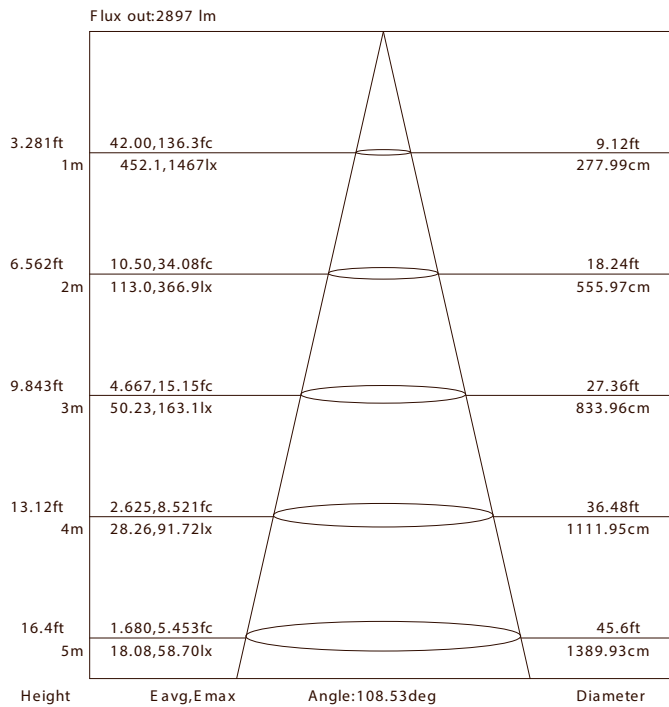
Step3: 5W(10%)

Product Series	Watts(W)	Lumens(lm**)	CCT(K)	CRI	Dimension
FP50NW2X4-D	50	5675	5000	83	2X4
FP40WW2X2-D	40	4395	4000	83	2X2
FP50WW2X4-D	50	5676	4000	83	2X4
FP40NW2X2-D	40	4506	5000	83	2X2



www.amledtechnologies.com

AVERAGE ILLUMINANCE CURVE



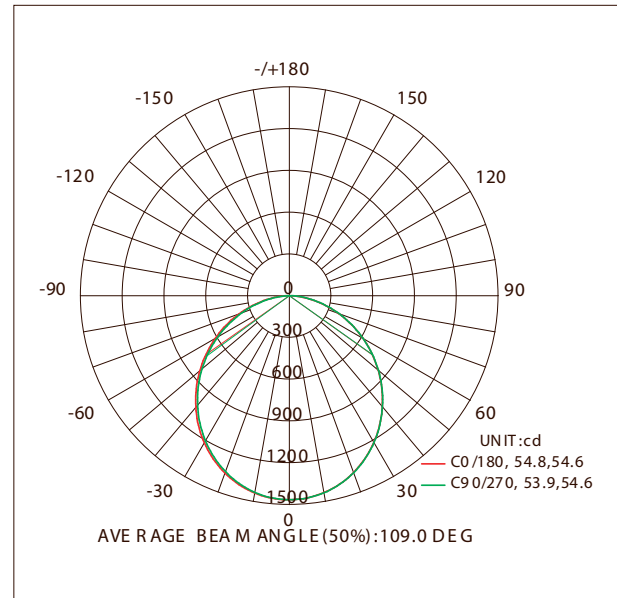
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

NAME: FS 22-DM-35E



ZONAL FLUX DIAGRAM

T	C0	C45	C90	C135	C180	C225	C270	C315
10	1436	1438	1438	1439	1439	1437	1434	1434
20	1352	1353	1353	1356	1356	1350	1344	1347
30	1216	1217	1218	1222	1222	1212	1205	1209
40	1040	1042	1041	1047	1046	1035	1026	1030
50	833.4	837.3	836.8	843.0	839.8	830.0	819.7	823.7
60	609.5	614.8	610.8	619.7	616.1	606.9	593.5	600.9
70	378.9	383.0	381.7	388.0	386.2	375.6	365.1	370.3
80	158.8	162.7	164.6	168.0	166.1	157.7	151.4	152.9
90	0	0.0028	0	0.0136	0	0	0	0
DEG	LUMINOUS INTENSITY: cd							

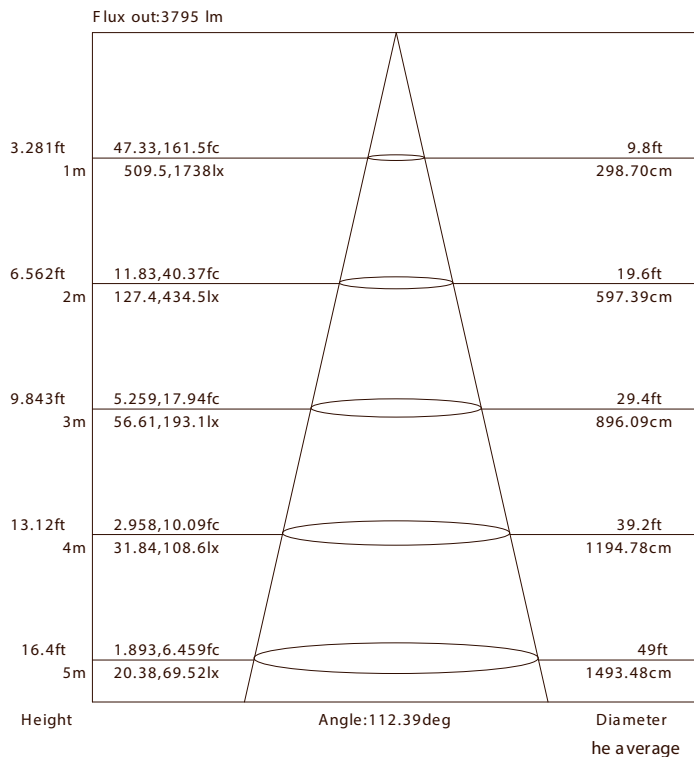
ZONAL LUMEN SUMMARY

T	φ zone	φ total	lum. lamp
0-10	138.5	138.5	3.42, 3.42
10-20	395.1	533.7	13.2, 13.2
20-30	593.8	1127	27.9, 27.9
30-40	707.4	1835	45.3, 45.3
40-50	723.9	2559	63.2, 63.2
50-60	645.5	3204	79.2, 79.2
60-70	488.4	3693	91.2, 91.2
70-80	282.6	3975	98.2, 98.2
80-90	72.05	4047	100, 100
UNIT: lm			

COEFFICIENTS OF UTILIZATION

ppc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			(CU)												
0.0	119	119	119	116	116	116	111	111	111	106	106	106	102	102	102	00
1.0	104	00	96	102	98	94	97	94	91	94	91	89	90	88	86	84
2.0	91	84	78	89	82	77	85	80	75	82	77	74	79	75	72	70
3.0	80	71	65	78	70	64	75	69	63	72	67	62	70	65	61	59
4.0	71	62	55	69	61	55	67	60	54	64	58	53	62	57	52	50
5.0	63	54	47	62	53	47	60	52	47	58	51	46	56	50	46	43
6.0	57	48	41	56	47	41	54	46	41	52	46	40	51	45	40	38
7.0	52	43	37	51	42	36	49	42	36	48	41	36	46	40	36	34
8.0	47	39	33	46	38	33	45	38	32	44	37	32	43	36	32	30
9.0	43	35	29	43	35	29	41	34	29	40	34	29	39	33	29	27
10.0	40	32	27	39	32	27	38	31	26	37	31	26	36	31	26	24

AVERAGE ILLUMINANCE CURVE



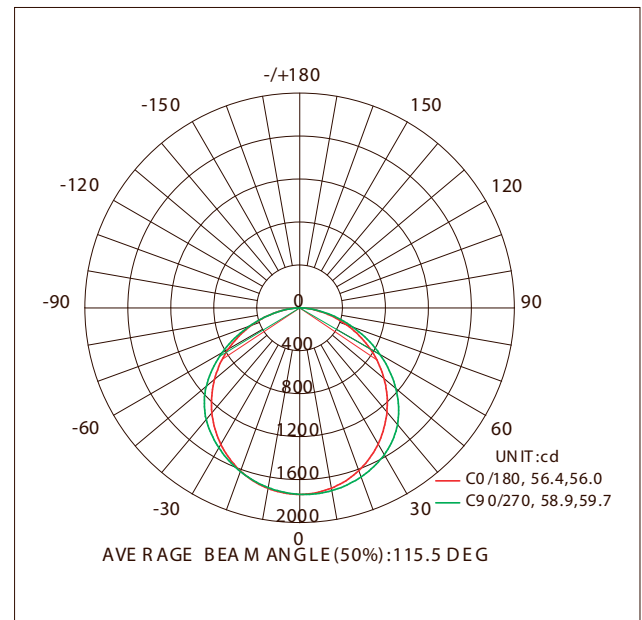
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

NAME: FS 24-DH-35E



ZONAL FLUX DIAGRAM

T	C0	C45	C90	C135	C180	C225	C270	C315
10	1705	1719	1728	1717	1707	1701	1699	1702
20	1611	1649	1674	1642	1617	1617	1621	1616
30	1462	1528	1577	1506	1469	1485	1506	1479
40	1264	1358	1418	1307	1274	1313	1356	1288
50	1027	1136	1169	1057	1037	1100	1137	1042
60	756.1	851.4	861.2	778.5	769.5	832.0	835.8	760.6
70	467.9	528.5	529.6	482.4	480.5	516.1	504.2	462.6
80	191.4	216.4	215.7	200.2	201.6	209.5	196.9	183.7
90	0.0305	0.1554	0.2239	0.1914	0	0	0	0
DEG	LUMINOUS INTENSITY: cd							

ZONAL LUMEN SUMMARY

T	zone	total	% lum, lamp
0-10	164.5	164.5	3.2, 3.2
10-20	473.5	638.0	12.4, 12.4
20-30	725.0	1363	26.5, 26.5
30-40	887.0	2250	43.8, 43.8
40-50	933.9	3184	62.62
50-60	849.5	4033	78.5, 78.5
60-70	644.9	4678	91.1, 91.1
70-80	364.5	5043	98.2, 98.2
80-90	93.28	5136	100, 100
	UNIT: lm		

COEFFICIENTS OF UTILIZATION

ppc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	0
RCR	RCR: Room Cavity Ratio (CU)															
0.0	119	119	119	116	116	116	111	111	111	106	106	106	102	102	102	00
1.0	104	99	96	102	98	94	97	94	91	93	88	88	90	88	86	84
2.0	90	83	78	88	82	77	85	79	75	82	77	73	78	75	71	69
3.0	79	71	64	78	70	64	75	68	63	72	66	61	69	64	60	58
4.0	70	61	54	69	60	54	66	59	53	64	57	52	62	56	52	49
5.0	62	53	47	61	53	46	59	52	46	57	50	45	55	49	45	43
6.0	56	47	41	55	47	40	53	46	40	52	45	40	50	44	39	37
7.0	51	42	36	50	42	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	31	26	37	30	26	36	30	25	24