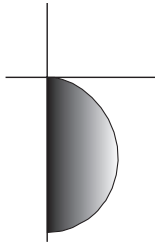


FLYING SURFACE



Photometric Drawing
for (1) FLS-22

TYPE _____ PROJECT _____



CATALOG NUMBER

FIXTURE		SIZE	VOLTAGE	MOUNT	OPTIONS
FLS	Flying Surface	22 2x2	120 120 v	SUR Surface Mount	DIM Electronic Dimming
		44 4x4	277 277 v	PEN Pendant Mount	FUS Fusing
		46 4x6			

* DETAILS – OPTIONS

DIM Dimming ballasts with 5 wire 0-10VDC control scheme

FUS GLR fuse for each ballast

SPECIFICATIONS

Construction. Fixture body and shade frame constructed of formed steel.

Shielding. Shade constructed of textile on a PVC base.

Finish. Fixture is powdercoated white and shade is white textile.

Electrical. Specify 120 or 277 volts. Fixture is UL/CUL Listed for damp locations. Supplied with integral electronic ballasts.

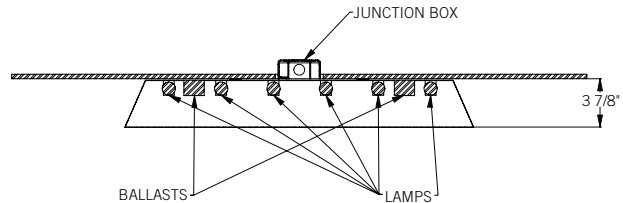
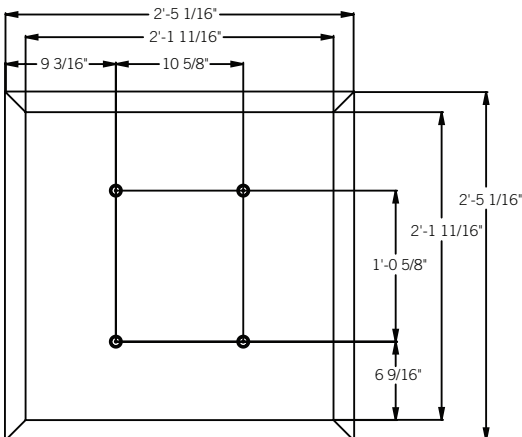
Lamping. (6) 17 watt T8 or (11) 32 watt T8 or (16) 32 watt T8 fluorescent lamps. Lamps not included.

Mounting. Fixture surface mounts over standard octagonal junction box on the ceiling or wall. Fixture can also be pendant mounted. See page 2 for additional mounting options and accessories.

ADA COMPLIANT.

DIMENSIONS & DETAILS

2' X 2'



Installation instructions may be found at www.energielighting.com.



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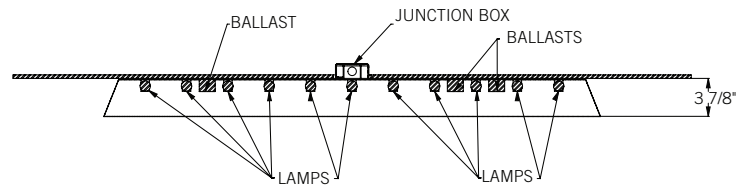
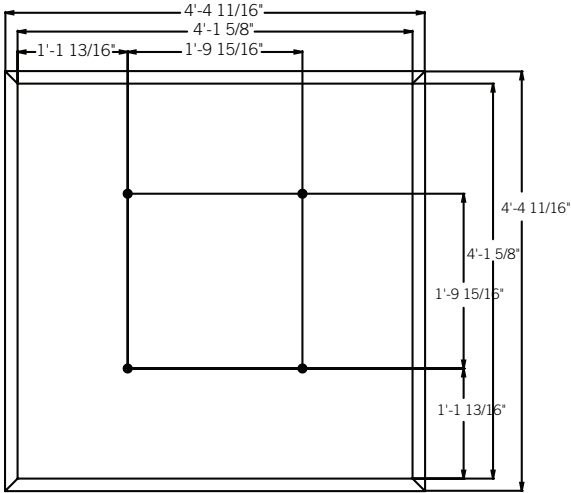


FLYING SURFACE

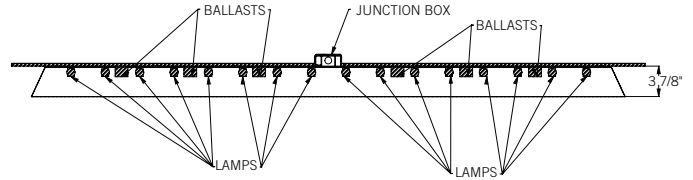
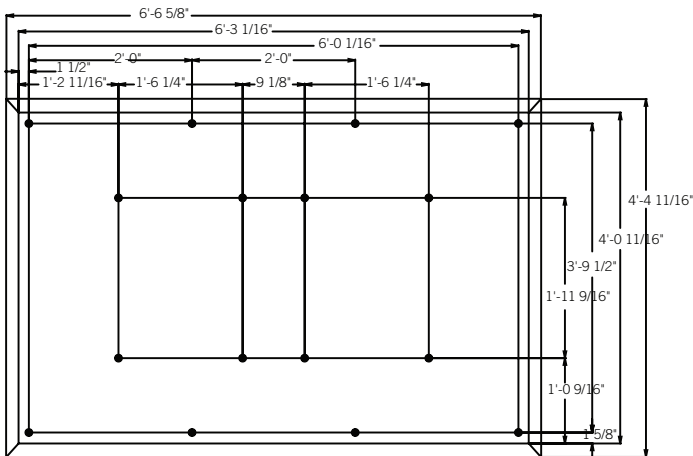
TYPE _____
PROJECT _____

DIMENSIONS & DETAILS cont'd

4' X 4'



4' X 6'



Installation Instructions may be found at www.energielighting.com.



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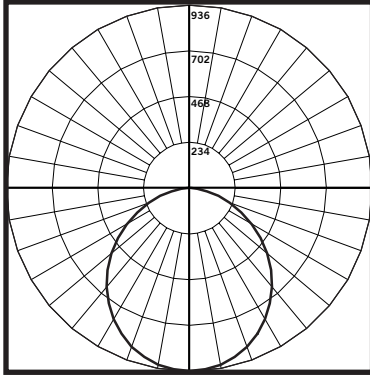
énergie®

FLYING SURFACE

TYPE _____
PROJECT _____

PHOTOMETRICS

FLS-22-120-SUR



CANDELA DISTRIBUTION

	0
0	935.90
5	931.52
10	917.90
15	895.06
20	863.32
25	823.14
30	774.82
35	719.53
40	658.14
45	591.41
50	520.28
55	445.99
60	369.87
65	294.36
70	221.58
75	153.89
80	93.01
85	42.02
90	6.58

ZONAL LUMEN SUMMARY

ZONE	LUMENS
0-10	88.48
10-20	252.46
20-30	379.1
30-40	449.91
40-50	456
50-60	398.68
60-70	292.11
70-80	164.21
80-90	50
90-100	0
100-110	0
110-120	0
120-130	0
130-140	0
140-150	0
150-160	0
160-170	0
170-180	0

LUMINAIRE

Description: Flying Surface 2' x 2' Surface Mount

Catalog Number: FLS-22-120-SUR

Efficiency: 31.2%

Distribution: 100% Direct

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0 - 30	720.04	8.9	28.4
0 - 40	1169.95	14.4	46.2
0 - 60	2024.63	25	80
0 - 90	2530.95	31.2	100
90-120	0	0	0
90 - 130	0	0	0
90 - 150	0	0	0
90 - 180	0	0	0
0 - 180	2530.95	31.2	100

LUMINANCE (Candela/sq meter)

ANGLE	0-DEG	90-DEG	180-DEG
45	1527	1527	1527
55	1419	1419	1419
65	1271	1271	1271
75	1085	1085	1085
85	880	880	880

COEFFICIENTS OF UTILIZATION

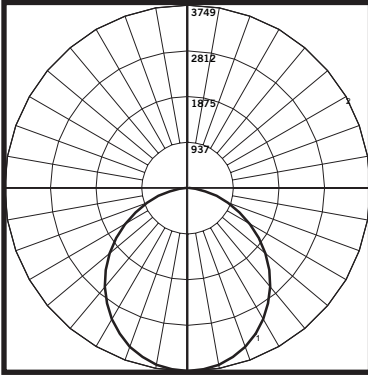
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	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	37	37	37	37	36	36	36	36	35	35	35	33	33	33	32	32	32	31
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9	18	14	11	9	17	13	11	9	13	11	9	13	11	9	12	11	9	9
10	17	13	10	8	16	12	10	8	12	10	8	12	10	8	12	10	8	8

FLYING SURFACE

TYPE _____
PROJECT _____

PHOTOMETRICS

FLS-44-120-SUR



CANDELA DISTRIBUTION

	0
0	3749.36
5	3731.84
10	3677.29
15	3585.78
20	3458.6
25	3297.62
30	3104.08
35	2882.56
40	2636.62
45	2369.29
50	2084.35
55	1786.7
60	1481.77
65	1179.26
70	887.69
75	616.50
80	372.62
85	168.33
90	26.36

ZONAL LUMEN SUMMARY

ZONE	LUMENS
0-10	354.48
10-20	1011.4
20-30	1518.74
30-40	1802.41
40-50	1826.81
50-60	1597.19
60-70	1170.27
70-80	657.83
80-90	200.3
90-100	0
100-110	0
110-120	0
120-130	0
130-140	0
140-150	0
150-160	0
160-170	0
170-180	0

LUMINAIRE

Description: Flying Surface 4' x 4' Surface Mount

Catalog Number: FLS-44-120-SUR

Efficiency: 31.2%

Distribution: 100% Direct

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0 - 30	2884.62	8.9	28.4
0 - 40	4687.03	14.4	46.2
0 - 60	8111.03	25	80
0 - 90	10139.43	31.2	100
90-120	0	0	0
90 - 130	0	0	0
90 - 150	0	0	0
90 - 180	0	0	0
0 - 180	10139.43	31.2	100

LUMINANCE (Candela/sq meter)

ANGLE	0-DEG	90-DEG	180-DEG
45	1865	1865	1865
55	1734	1734	1734
65	1553	1553	1553
75	1326	1326	1326
85	1075	1075	1075

COEFFICIENTS OF UTILIZATION

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	37	37	37	37	36	36	36	36	35	35	35	33	33	33	32	32	32	31
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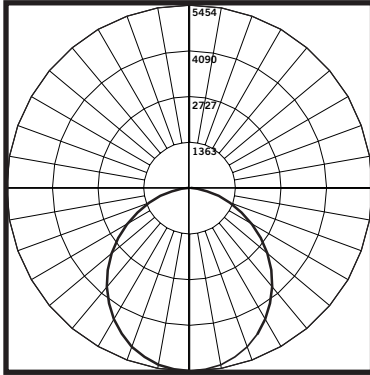


FLYING SURFACE

TYPE _____
PROJECT _____

PHOTOMETRICS

FLS-46-120-SUR



CANDELA DISTRIBUTION

	0
0	5453.62
5	5428.13
10	5348.78
15	5215.67
20	5030.7
25	4796.54
30	4515.02
35	4192.82
40	3835.08
45	3446.24
50	3031.78
55	2598.83
60	2155.3
65	1715.29
70	1291.19
75	896.72
80	542.00
85	244.84
90	38.34

ZONAL LUMEN SUMMARY

ZONE	LUMENS
0-10	515.61
10-20	1471.12
20-30	2209.08
30-40	2621.68
40-50	2657.17
50-60	2323.19
60-70	1702.21
70-80	956.85
80-90	291.34
90-100	0
100-110	0
110-120	0
120-130	0
130-140	0
140-150	0
150-160	0
160-170	0
170-180	0

LUMINAIRE

Description: Flying Surface 4' x 6' Surface Mount

Catalog Number: FLS-46-120-SUR

Efficiency: 31.2%

Distribution: 100% Direct

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0 - 30	4195.82	8.9	28.4
0 - 40	6817.5	14.4	46.2
0 - 60	11797.86	25	80
0 - 90	14748.25	31.2	100
90 - 120	0	0	0
90 - 130	0	0	0
90 - 150	0	0	0
90 - 180	0	0	0
0 - 180	14748.25	31.2	100

LUMINANCE (Candela/sq meter)

ANGLE	0-DEG	90-DEG	180-DEG
45	1823	1823	1823
55	1695	1695	1695
65	1518	1518	1518
75	1296	1296	1296
85	1051	1051	1051

COEFFICIENTS OF UTILIZATION

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	37	37	37	37	36	36	36	36	35	35	35	33	33	33	32	32	32	31
1	34	33	31	30	33	32	31	30	30	29	29	29	28	28	28	27	27	26
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