

LumiSheet Lamp

1' x 4' RECESSED TROFFER



FEATURES & SPECIFICATIONS

Low Profile Ceiling Grid and Display LED Solution. LumiSheetLamp is a revolutionary LED lighting guide-plate with built-in LEDs. Used as lighting for standard commercial ceiling grids; typically used to replace standard 1'x4' fluorescent fixture. CRI 80 LumiSheetLamp does not result in eye exhaustion because they have no glare and provide uniform luminance all over the light panel. LumiSheetLamp is the best solution to meet your needs in your office, school and other commercial applications.

Construction

Shallow height, less than 3 inches deep including the junction box, is making it suitable for the ceiling with low depth.

- White powder coated Aluminum Frame
- Back Plate – Aluminum 0.6T
- Junction Box – Electro Galvanized Iron 1.6T

Electrical

- Integral, high efficiency driver and power supply
- Universal AC Input Voltage : 120-277V
- Nominal Power Factor : <0.9
- Dimming: 0-10V standard
- Surface Mount Kit : Consult factory

Listing

- cUL Listed
- FCC
- DesignLights Consortium

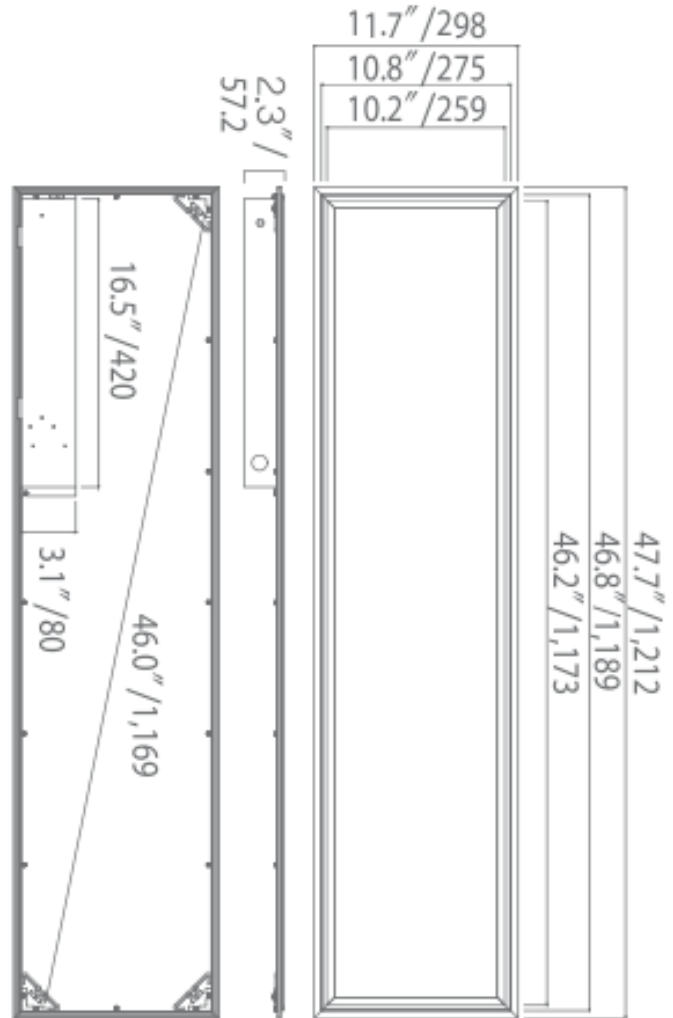
Warranty

- 5 YEARS limited warranty.
- Minimum 50,000 hours lifetime



LSL35-UM1230FT

1' x 4' LED Troffer



All dimensions are inches / mm

ORDERING INFORMATION

Example: : LSL35-UM1230FT(NDWCA)

Model Name	Power Consumption	Market	Size	Mount	(CCT	Optic	Frame Color	Mount	Dimming	Accessory
LSL35		UM	1230	FT	W	D	W	C	A	SMK
LumiSheet Lamp 35W		USA	1x4	Recessed	3000K	Diffused	White Frame	Cable	0-10V	Surface Mount Kit
					Y					-Consult Factory
					3500K)
					N					
					4000K					

Lead times will vary depending on order volumes and options selected. Consult with your sales representative.

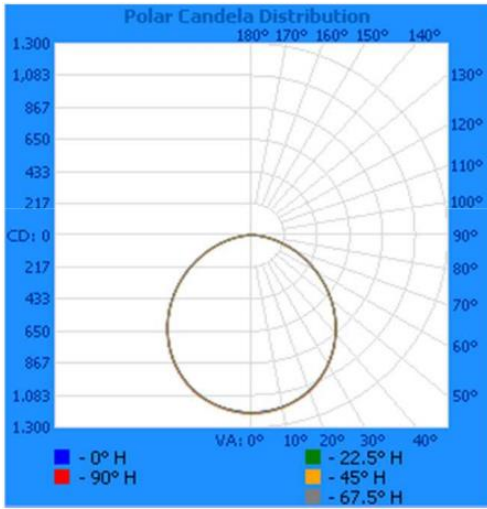
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PHOTOMETRICS

LSL35-UM1230FT(WDWCA), 3,323 delivered lumens, tested by Intertek (NVLAP) in accordance to IESNA LM-79

POLAR GRAPH



COEFFICIENTS OF UTILIZATION

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	78	85	80	76	82	78	74	79	76	72	70
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61	59
4	83	71	62	55	81	70	61	55	67	60	54	65	59	54	63	57	53	51
5	76	63	54	48	74	62	54	48	60	53	47	58	52	46	56	51	46	44
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	64	51	43	37	49	42	36	48	41	36	47	41	36	34
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32	30
9	57	43	35	30	55	43	35	30	42	34	29	41	34	29	40	33	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3991	3986	3993
55	3749	3738	3737
65	3442	3377	3388
75	2948	2896	2870
85	1980	1943	1773

ZONAL LUMEN SUMMARY

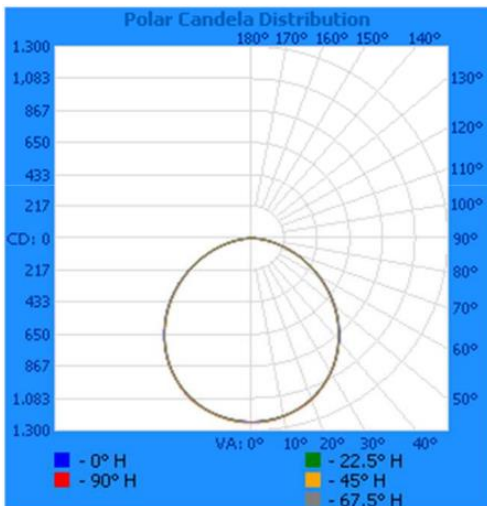
Zone	Lumens	%Lamp	%Fixt
0-20	439.80	N.A.	13.20
0-30	932.90	N.A.	28.10
0-40	1522.27	N.A.	45.80
0-60	2655.45	N.A.	79.90
0-80	3268.67	N.A.	98.30
0-90	3324.18	N.A.	100.00
10-90	3210.4	N.A.	96.60
20-40	1082.47	N.A.	32.60
20-50	1684.63	N.A.	50.70
40-70	1525.9	N.A.	45.90
60-80	613.21	N.A.	18.40
70-80	220.49	N.A.	6.60
80-90	55.51	N.A.	1.70
90-110	0.01	N.A.	0.00
90-120	0.01	N.A.	0.00
90-130	0.01	N.A.	0.00
90-150	0.01	N.A.	0.00
90-180	0.01	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3324.19	N.A.	100.00

CHARACTERISTICS

Total Lamp Lumens	3323	Spacing Criteria (0-180)	1.26
Total Luminaire Watts	36	Spacing Criteria (90-270)	1.26
Luminaire Efficacy	93	Spacing Criteria (Diagonal)	1.36

LSL35-UM1230FT(YDWCA), 3,445 delivered lumens, tested by Intertek(NVLAP) in accordance to IESNA LM-79

POLAR GRAPH



COEFFICIENTS OF UTILIZATION

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	78	85	80	76	82	78	74	79	76	72	70
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61	59
4	83	71	62	55	81	70	61	55	67	60	54	65	59	54	63	57	53	51
5	76	63	54	48	74	62	54	48	60	53	47	58	52	46	56	51	46	44
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	64	51	43	37	49	42	36	48	41	36	47	41	36	34
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32	30
9	57	43	35	30	55	43	35	30	42	34	29	41	34	29	40	33	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4153	4126	4136
55	3916	3877	3867
65	3555	3496	3523
75	3055	3013	2992
85	2125	1993	1815

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	455.04	N.A.	13.20
0-30	965.54	N.A.	28.00
0-40	1576.13	N.A.	45.70
0-60	2751.16	N.A.	79.80
0-80	3387.87	N.A.	98.30
0-90	3445.73	N.A.	100.00
10-90	3328.02	N.A.	96.60
20-40	1121.09	N.A.	32.50
20-50	1745.26	N.A.	50.60
40-70	1582.49	N.A.	45.90
60-80	636.71	N.A.	18.50
70-80	229.25	N.A.	6.70
80-90	57.86	N.A.	1.70
90-110	0.01	N.A.	0.00
90-120	0.01	N.A.	0.00
90-130	0.01	N.A.	0.00
90-150	0.01	N.A.	0.00
90-180	0.01	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3445.73	N.A.	100.00

CHARACTERISTICS

Total Lamp Lumens	3445	Spacing Criteria (0-180)	1.26
Total Luminaire Watts	35	Spacing Criteria (90-270)	1.26
Luminaire Efficacy	98	Spacing Criteria (Diagonal)	1.36

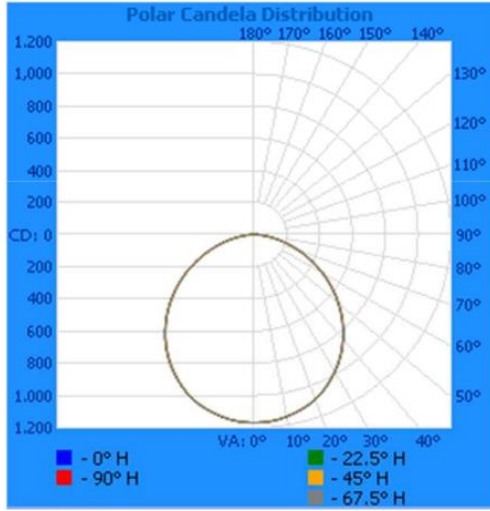
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PHOTOMETRICS

LSL35-UM1230FT(NDWCA), 3,491 delivered lumens, tested by Intertek (NVLAP) in accordance to IESNA LM-79

POLAR GRAPH



COEFFICIENTS OF UTILIZATION

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	98	94	91	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	50
5	76	63	54	48	74	62	54	47	60	53	47	58	51	46	56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41	52	46	41	51	45	40	38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	30	55	43	35	29	42	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4204	4170	4183
55	3968	3911	3914
65	3609	3564	3586
75	3128	3091	3072
85	2221	2088	1972

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	459.53	N.A.	13.20
0-30	975.37	N.A.	27.90
0-40	1592.74	N.A.	45.60
0-60	2782.15	N.A.	79.70
0-80	3431.37	N.A.	98.30
0-90	3492.01	N.A.	100.00
10-90	3373.17	N.A.	96.60
20-40	1133.2	N.A.	32.50
20-50	1764.72	N.A.	50.50
40-70	1603.85	N.A.	45.90
60-80	649.21	N.A.	18.60
70-80	234.79	N.A.	6.70
80-90	60.64	N.A.	1.70
90-110	0.11	N.A.	0.00
90-120	0.11	N.A.	0.00
90-130	0.11	N.A.	0.00
90-150	0.11	N.A.	0.00
90-180	0.11	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3492.12	N.A.	100.00

CHARACTERISTICS

Total Lamp Lumens	3491	Spacing Criteria (0-180)	1.26
Total Luminaire Watts	35	Spacing Criteria (90-270)	1.26
Luminaire Efficacy	100	Spacing Criteria (Diagonal)	1.36

PRODUCT IMAGES

