

# LumiSheetLamp

## 2' x 2' 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 2'x2' 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

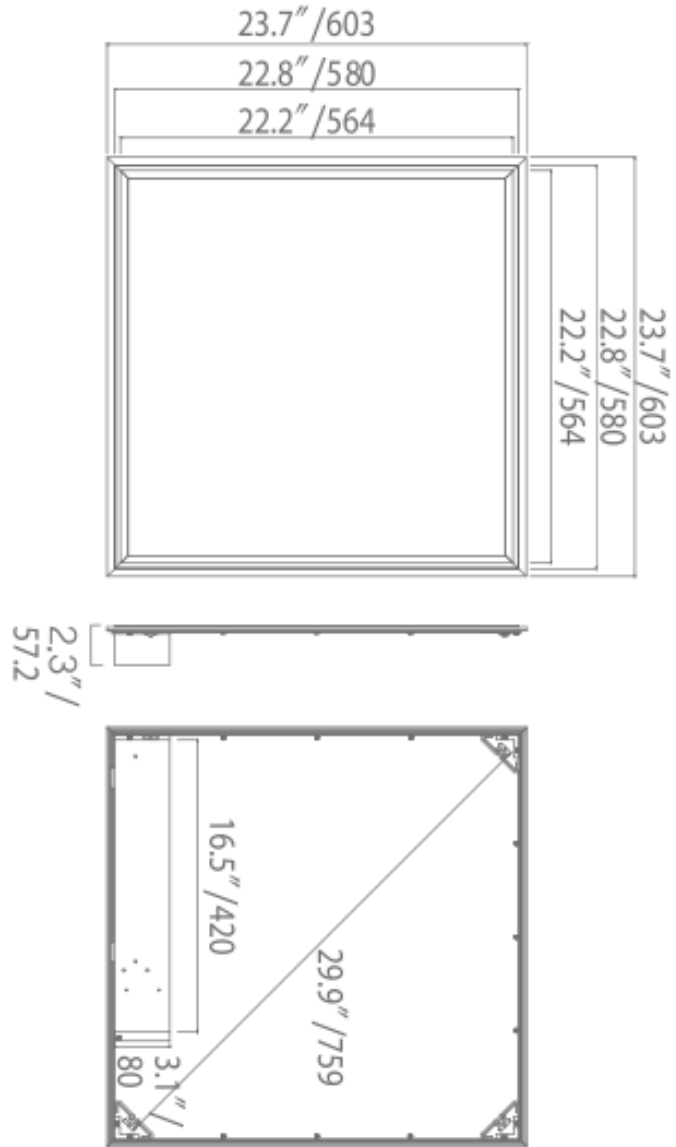
### Warranty

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



### LSL35-UM6060FT

#### 2' x 2' LED Troffer



All dimensions are inches / mm

### ORDERING INFORMATION

Example: LSL35-UM6060FT(NDWCA)

Model Name	Power Consumption	Market	Size	Mount	( CCT	Optic	Frame Color	Mount	Dimming )	Accessory
LSL35		UM	6060	FT	W	D	W	C	A	SMK
LumiSheet Lamp 35W		USA	2'x2'	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.

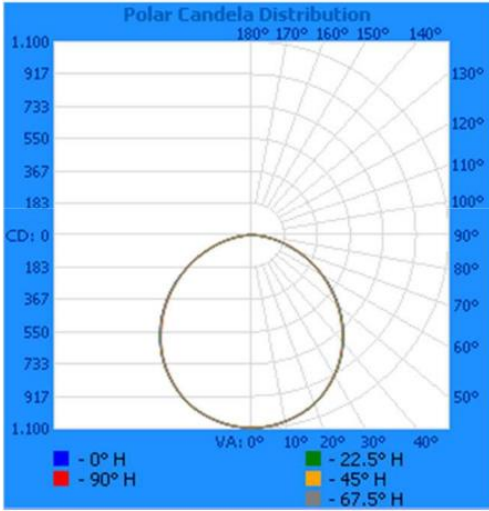
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## 2' x 2' RECESSED TROFFER

### PHOTOMETRICS

**LSL35-UM6060FT(WDWCA)**, 3,039 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	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	77	85	80	76	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	63	73	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	51
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	53	46	41	51	45	40	38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	47	40	36	34
8	61	47	39	33	59	46	38	33	45	38	33	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	3405	3385	3374
55	3213	3170	3167
65	2903	2894	2905
75	2468	2487	2496
85	1764	1667	1614

#### ZONAL LUMEN SUMMARY

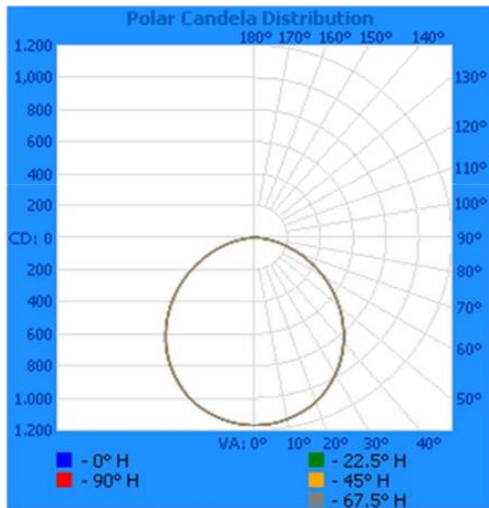
Zone	Lumens	%Lamp	%Fixt
0-20	400.35	N.A.	13.20
0-30	849.66	N.A.	28.00
0-40	1387.64	N.A.	45.60
0-60	2423.79	N.A.	79.70
0-80	2987.94	N.A.	98.30
0-90	3039.85	N.A.	100.00
10-90	2936.33	N.A.	96.60
20-40	987.29	N.A.	32.50
20-50	1537.56	N.A.	50.60
40-70	1397.07	N.A.	46.00
60-80	564.16	N.A.	18.60
70-80	203.23	N.A.	6.70
80-90	51.91	N.A.	1.70
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3039.85	N.A.	100.00

#### CHARACTERISTICS

Total Lamp Lumens	3039	Spacing Criteria (0-180)	1.26
Total Luminaire Watts	36	Spacing Criteria (90-270)	1.26
Luminaire Efficacy	85	Spacing Criteria (Diagonal)	1.38

**LSL35-UM6060FT(YDWCA)**, 3,233 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	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	95	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	80	70	61	55	67	60	54	65	59	54	63	57	53	51
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6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	63	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	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	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	3623	3614	3602
55	3401	3396	3385
65	3073	3065	3067
75	2618	2601	2629
85	1691	1694	1710

#### ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	427.13	N.A.	13.20
0-30	906.38	N.A.	28.00
0-40	1479.9	N.A.	45.80
0-60	2584.11	N.A.	79.90
0-80	3180.71	N.A.	98.40
0-90	3233.63	N.A.	100.00
10-90	3123.18	N.A.	96.60
20-40	1052.77	N.A.	32.60
20-50	1639.31	N.A.	50.70
40-70	1486.85	N.A.	46.00
60-80	596.60	N.A.	18.40
70-80	213.96	N.A.	6.60
80-90	52.92	N.A.	1.60
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3233.63	N.A.	100.00

#### CHARACTERISTICS

Total Lamp Lumens	3233	Spacing Criteria (0-180)	1.26
Total Luminaire Watts	35	Spacing Criteria (90-270)	1.26
Luminaire Efficacy	92	Spacing Criteria (Diagonal)	1.38

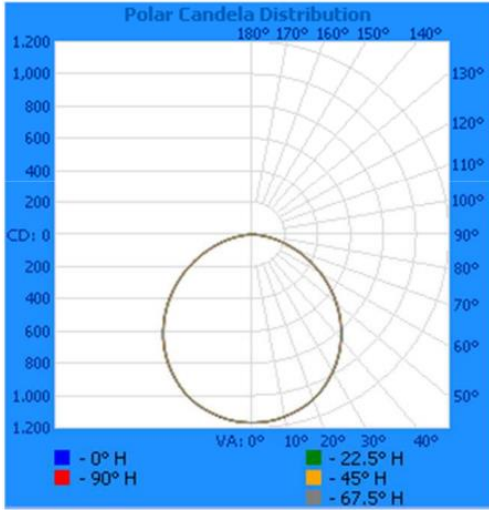
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### PHOTOMETRICS

**LSL35-UM6060FT(NDWCA)**, 3,232 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	50	30	10	
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	95	92	94	91	89	90	88	86	84			
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70			
3	90	80	72	65	88	78	71	65	75	69	64	73	67	63	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			
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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	3626	3618	3609
55	3409	3402	3399
65	3077	3060	3062
75	2605	2542	2573
85	1717	1644	1664

#### ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	427.15	N.A.	13.20
0-30	906.47	N.A.	28.00
0-40	1480.3	N.A.	45.80
0-60	2585.33	N.A.	80.00
0-80	3179.75	N.A.	98.40
0-90	3232.39	N.A.	100.00
10-90	3121.93	N.A.	96.60
20-40	1053.16	N.A.	32.60
20-50	1640.17	N.A.	50.70
40-70	1487.41	N.A.	46.00
60-80	594.42	N.A.	18.40
70-80	212.04	N.A.	6.60
80-90	52.64	N.A.	1.60
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3232.39	N.A.	100.00

#### CHARACTERISTICS

Total Lamp Lumens	3232	Spacing Criteria (0-180)	1.26
Total Luminaire Watts	35	Spacing Criteria (90-270)	1.26
Luminaire Efficacy	93	Spacing Criteria (Diagonal)	1.38

#### PRODUCT IMAGES

