

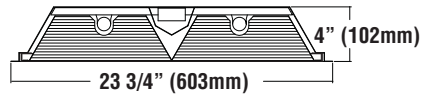
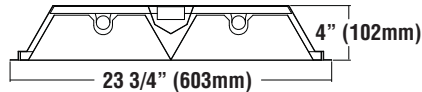
# LEL/FLEL

# SPECIFICATION GRADE ENERGY EFFICIENT LOUVERED TROFFER (2X4)



### DIMENSIONS

### Renew Series



### PRODUCT HIGHLIGHTS

- Extra-high efficiency - 87.2%\*
- Optimum lamp spacing for uniform light distribution
- Integral EQ grid clips

**APPLICATION** - Recessed grid or flanged troffer.

**CONSTRUCTION** - Housing/end sections constructed of structurally embossed, 22-gauge, cold rolled steel. Wire way covers snap in for easy attachment/removal. Access plate provided as standard for flexible conduit attachment.

**LOUVER** - Louver finished in a low matte polyester powder. Construction features aluminum cross baffle of ridged material with internal lamp seeding notches for optimal efficiency and full light distribution.



**ELECTRICAL** - All devices UL/CUL listed. Suitable for damp locations. Damp location emergency pack must be specified separately. Ballasts are energy saving, solid-state electronic. Ballasts and lampholders replaceable without removing from ceiling. Discrete voltage must be specified for emergency pack options when wired with flex. Where lamps are included as part of the fixture, lamp CRI and color temperature must be specified.

**FINISH** - All metal parts painted after fabrication following treatment with phosphate rust inhibitor. Finish coating of housing reflecting surfaces is with white, high reflectance (minimum 92%) polyester powder.

**PHOTOMETRICS** - Please visit our web site at [www.lsi-industries.com](http://www.lsi-industries.com) for detailed photometric data.

## LUMINAIRE ORDERING INFORMATION

TYPICAL ORDER EXAMPLE: **LILEL 12 2 32 SS010 LM841 UE**

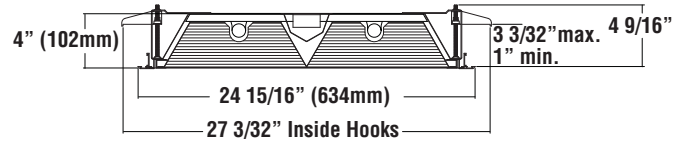
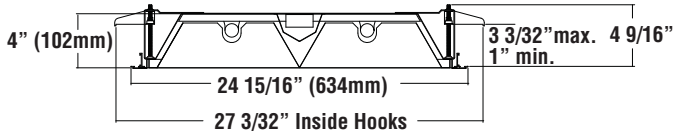
Prefix	Shielding	Lamps	Lamp Type	Ballasts	Options	Voltage
LILEL - Grid	12 - 12 Cell Louver	2	28 - 28W T5 45" 28A - 28W T8 48" 32 - 32W T8 48" 54 - 54W T5HO 45"	SS5 - T5 Instant Start SS5R - T5 Rapid Start SS5D - T5 Dimming (specify type) SS5HO - T5HO SS5HOD - T5HO Dimming (specify type) SSOD - T8 Dimming (specify type) SSOL - T8 Low Watt SSOHL - T8 High Power Factor SSOR - T8 Rapid Start SSO10 - T8 <10% THD  (For dual ballasts add "2" Example: SS02)  (others available upon request)	F - Fusing EM - Emergency Pack EMDL - Emergency Pack damp location FC1 - 6' 3/8" flex, 3 #18 leads (other types available) MA/AUX - Master / Auxiliary LM - Lamps installed (specify) MWA - Aluminum interior reflector MWS - Silver interior reflector JP - Job Packed NYC - 20 GA. Housing RL - Ribbed Louver LM - Lamps installed (specify type) CPL - CCEA Chicago Plenum	120 - 120V 277 - 277V 347 - 347V UE - Universal Electronic (120-277V)

\*Some options may affect the overall efficiency performance +/-

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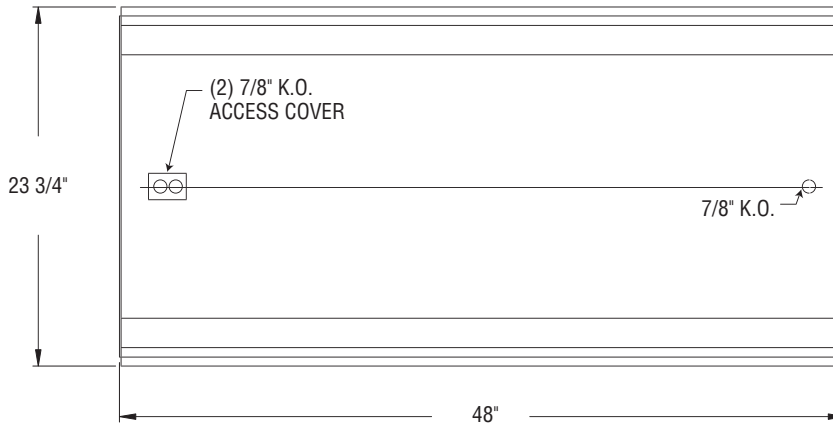
# SPECIFICATION GRADE ENERGY EFFICIENT LOUVERED TROFFER (2X4)

## DIMENSIONS



**TYPICAL FLANGED TROFFER**  
**49-1/2" O.A.L. REFERENCE**  
**24" x 48-1/2" OPENING REQUIRED**  
**2' x 4'**

## MOUNTING



## PHOTOMETRICS

Vertical Degree	Horizontal Angle		
	0	45	90
0	1800	1800	1800
2.5	1803	1799	1794
5	1795	1796	1795
7.5	1784	1792	1796
10	1766	1785	1795
12.5	1743	1770	1792
15	1718	1755	1789
17.5	1688	1738	1790
20	1653	1715	1778
22.5	1612	1690	1768
25	1577	1665	1754
27.5	1533	1635	1743
30	1484	1600	1723
32.5	1434	1562	1700
35	1380	1519	1683
37.5	1328	1474	1654
40	1265	1431	1632
42.5	1204	1380	1603
45	1146	1327	1567
47.5	1075	1274	1511
50	1010	1219	1447
52.5	933	1152	1378
55	859	1084	1300
57.5	786	1000	1217
60	705	913	1149
62.5	632	822	1020
65	559	725	844
67.5	486	633	616
70	411	520	405
72.5	331	395	255
75	261	268	178
77.5	196	174	136
80	144	123	91
82.5	99	82	53
85	60	44	29
87.5	23	16	5
90	0	0	0

Zonal Lumen Summary			
Zone	Lumens	%Lamp	%Fixt
0-30	1435.5	23.2	26.6
0-40	2390.3	38.6	44.2
0-60	4382.3	70.7	81.1
0-90	5405.6	87.2	100.0
90-120	0.0	0.0	0.0
90-130	0.0	0.0	0.0
90-150	0.0	0.0	0.0
90-180	0.0	0.0	0.0
0-180	5405.6	87.2	100.0

Coefficients Of Utilization - Zonal Cavity Method												
Effective Floor Cavity Reflectance 0.20												
RC	80				70				50			
	70	50	30	10	70	50	30	10	50	30	10	
0	104	104	104	104	101	101	101	101	97	97	97	
1	95	91	88	84	93	89	86	83	86	83	80	
2	87	80	74	69	84	78	73	68	75	70	67	
3	79	70	63	57	77	68	62	57	66	60	56	
4	72	62	54	48	70	61	53	48	58	52	47	
5	66	55	47	41	64	54	47	41	52	46	41	
6	61	49	42	36	59	49	41	36	47	40	35	
7	57	45	37	32	55	44	37	31	43	36	31	
8	53	41	33	28	51	40	33	28	39	32	28	
9	49	37	30	25	48	37	30	25	36	29	25	
10	46	34	27	23	45	34	27	23	33	27	23	

Catalog# LEL-12-232-SSO  
 Report# LTN-174C  
 Spacing Criterion 1.24 (0-180) x 1.44 (90-270)  
 Efficiency 87.20%