

FEATURES

- Meets IES standard RP-1 glare control recommendations
- Ideal for library, retail, and office stack areas
- High performance, low glare stack light is designed specifically for library stack areas with 2' 8" aisles
- Effectively and uniformly delivers light down the face of the stacks
- Eliminates hot spots at the tops of the stacks
- Minimal aperture width allows easy installation with no alteration of ceiling tiles
- Anodized low iridescent aluminum louver
- White powder coat finish, painted after fabrication
- Surface or pendant mount also available

PROJECT INFORMATION

Project Name _____

Type _____

Catalog No. _____

Date _____

CONSTRUCTION

Luminaire housing and end caps are die formed code gauge cold rolled steel. Upper reflector provides additional downlight distribution. Two-lamp versions feature over/under lamping. Louver is low brightness, low iridescent specular anodized aluminum secured in housing with four torsion spring latches to provide superior light distribution down the face of shelving. Diffuse finish also available.

ELECTRICAL

Standard class "P", thermally protected, autoresetting HPF ballast, sound rated A. CEE NEMA Premium compliant. All ballast leads extend a minimum of 6" through access location. NEC/CEC-compliant ballast disconnect is standard.

FINISH

White painted parts are treated with a five stage phosphate bonding process and finished after fabrication with a minimum 90% reflective gloss baked enamel.

CEILING COMPATIBILITY

The Stack Lite is available to fit NEMA Type G, Type F and Type GF ceilings. GT integral cross tee trim (recommended) allows installation into 2' on center 1 5/8" inverted tee systems without additional T-bar framing. Ideal for centering fixture in 2' 8" aisles between 2' wide stacks without having to cut tiles. LSL14 recommended for 3' ADA compliant aisles. NEC-compliant T-bar clips supplied with all grid trim fixtures.

AIR HANDLING

Standard luminaire is static. Air extract option available to remove room air and cool lamps.

CERTIFICATION

All luminaires are built to UL 1598 standards and bear appropriate UL and cUL or CSA labels. Damp location labeling is standard. Emergency-equipped fixtures labeled UL 924.

INSTALLATION

An access plate is furnished with each luminaire for fast wiring access from the plenum. No need to open fixture. Product ships standard with mylar dust cover to eliminate job site contamination.

BALLASTS

Energy efficient, thermally protected, automatic resetting, Class P, high power factor, sound rated A, magnetic or electronic ballasts. CEE NEMA Premium compliant.

ORDERING INFORMATION

EXAMPLE LSL84-132G-LD18-S-EU

MODEL	NO. OF LAMPS	CEILING TYPE	NO. CELLS CROSSWISE	NO. CELLS LENGTHWISE	BALLAST	OPTIONS
LSL Recessed Parabolic Stack Light	1 One	G Inverted T-bar GT Integral Cross-tee (Grid ends lay into standard T-bar, sides act as integral cross-tee to support tile) F Flange SM Surface Mount (Static only)	1 One	8 Eight	E Electronic T8, Instant Start EP Electronic T5 or T8 Programmed Start For a specific ballast vendor, show as option.	GMF Slow Blow Fuse GLR Fast Blow Fuse EL Emergency Battery Pack MS9 Master/Satellite Pair w/9' Harness MS Master/Satellite Cont. Row, 2-Lamp Ballast MSS Master/Satellite/ Satellite Cont. Row, 3-Lamp Ballast NYC NYC Compliant NYCU NYC Compliant, Union Label
SIZE	LAMP TYPE	LOUVER FINISH	AIR HANDLING FUNCTION	VOLTAGE		
84 8" x 4'	28 4', T5: 28 Watt 32 4', T8: 32, 30, 28 or 25 Watt 54 4', T5HO: 54 or 51 Watt	LD Low Iridescent Semi-Specular LS Low Iridescent Specular	S Static H Heat Extract (No Damper)	U 120V-277V 347 347V		

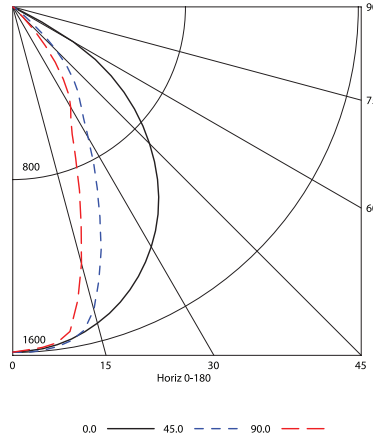
Test 10610 Test Date 6/10/03

PHOTOMETRIC DATA

LUMINAIRE DATA

Luminaire	LSL84-132G-LS18-EB8 LSL Parabolic 8" X 48" 1-LAMP WITH 1 X 8 CELL SPECULAR LOUVER
Ballast	B2321120RH
Ballast Factor	1.03
Lamp	FO32/741
Lumens per Lamp	2850
Total Input Watts	31
Shielding Angle	N/A
Spacing Criterion	Along = 1.21 Across = 0.71

INDOOR CANDELA PLOT



ENERGY DATA

Total Luminaire Efficiency	64.4%
Luminaire Efficacy Rating (LER)	61
ANSI/IESNA RP-1-2004 Compliance	Yes-Maximum
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$3.93 based on 3000 hrs. and \$0.08 per KWH

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	999	35.1	54.5
0-40	1417	49.7	77.2
0-60	1811	63.6	98.7
0-90	1835	64.4	100.0
0-180	1835	64.4	100.0

COEFFICIENTS OF UTILIZATION (%)

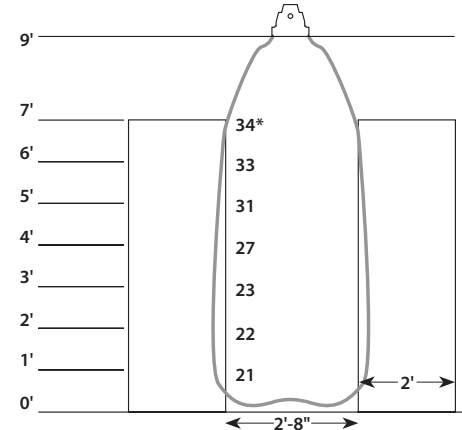
RCR	RC												
	80			70			50			0			
	RW	70	50	30	10	70	50	30	10	50	30	10	0
1	73	71	69	67	71	69	68	66	67	65	64	59	
2	68	65	62	59	67	64	61	59	61	59	57	54	
3	64	59	56	53	63	59	55	52	57	54	52	49	
4	60	55	51	48	59	54	50	47	52	49	47	44	
5	57	50	46	43	55	50	46	43	49	45	42	41	
6	53	47	42	39	52	46	42	39	45	42	39	37	
7	50	43	39	36	49	43	39	36	42	38	36	34	
8	47	40	36	33	47	40	36	33	39	36	33	32	
9	45	38	34	31	44	37	33	31	37	33	30	29	
10	42	35	31	29	42	35	31	28	35	31	28	27	

AVG. LUMINANCE (Candela/Sq. M.)

Average Luminance Angle	RC				
	0.0	22.5	45.0	67.5	90.0
0	8231	8231	8231	8231	8231
30	7625	6572	4151	3360	3188
40	7006	4626	2945	1923	1573
45	6519	3642	2083	816	466
50	5890	2853	1002	104	32
55	4993	2038	242	117	36
60	3327	1040	175	72	21
65	317	244	134	12	12
70	75	45	30	15	15
75	40	40	20	0	0
80	30	30	0	0	0
85	59	0	0	0	0

T8 VERTICAL FOOTCANDLES

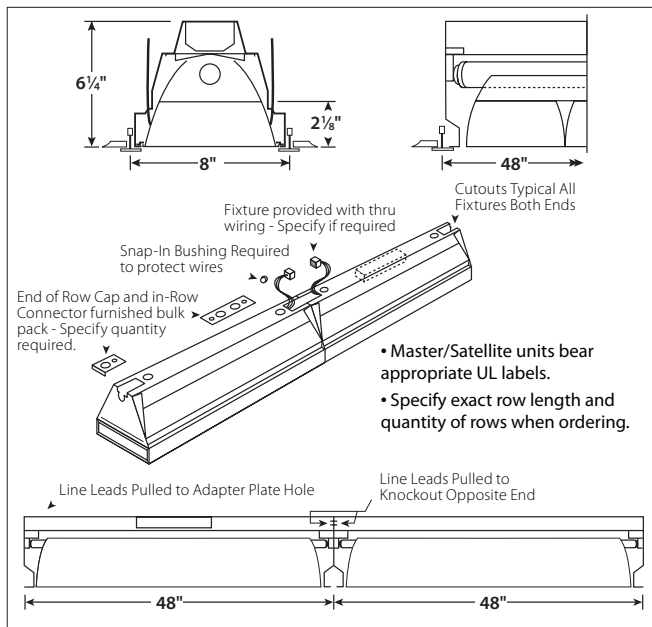
*Footcandles may increase in applications with wider aisles.



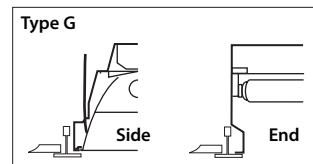
RCR = Room Cavity Ratio

RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

DIMENSIONAL DATA

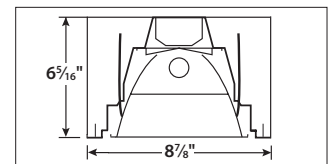


CEILING COMPATIBILITY

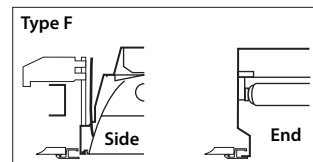


For lay-in installation in exposed grid ceilings. Maximum tee widths of 1" and maximum tee heights of 2" allowed.

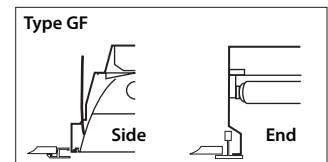
SURFACE MOUNT



4' single length = 49"
4' int. length = 48"
4' end of row length = 49 1/2"
8' single length = 97"
8' int. length = 96"
8' end of row length = 96 1/2"



Overlapping extruded trim conceals edges of ceiling opening. Wing hanger suspension included. For row mounting, row information is required.



Fixtures mount on standard exposed tee supports tile eliminating need to run fixture support cross tees.

NOTE: All dimensions are in inches; dimensions and specifications are subject to change without notice. Please consult factory or check sample for verification.