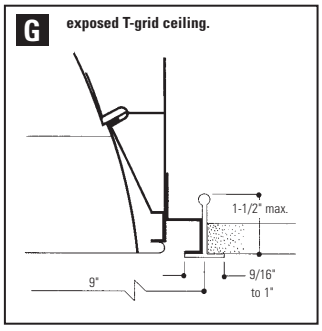
Lytecel Recessed Fluorescent **LIS9G12PR232**

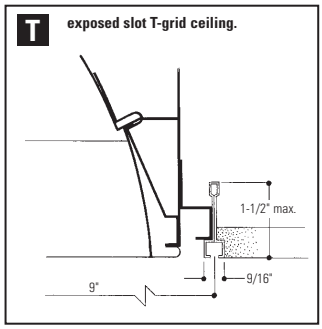
9" x 48", 12 Cell (1 Row) Parabolic Louver, Static or Air Supply/Return, 2 Lamp T8
IES RP1 For VDT Areas

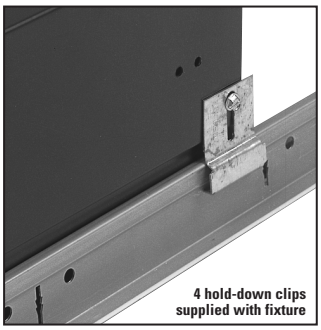
Features

- Meets IES RP1 for lighting VDT areas.
- 61.0% efficient (T8).
- 1.4 spacing mounting ratio.
- Specular, low iridescence, pre-anodized aluminum louver.
- Vertical grain on louver eliminates reflected lamp image on cross baffle.
- Louver frame with positive light stop.
- Spring loaded latches (self centering).
- Reversible louver hinging.
- Louver has protective dust guard.
- Only 6-1/8" deep body.
- Black housing exterior for cooler ballast operating temperature.
- Turned-in edges for safe handling.
- UL-Listed twin knockout access plate.
- Air closure strips (optional).
- Construction to meet NYC Code or Chicago Plenum is available.
- Optional DALI ballast accepts digital dimming commands from computers, scene controllers and automatic control devices.

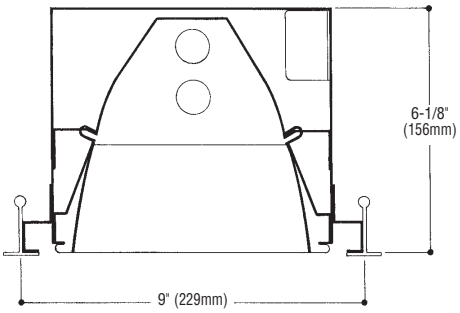
Mounting Methods

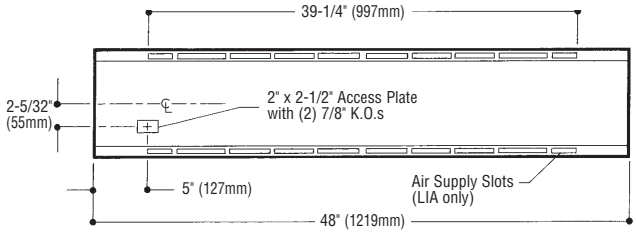






Dimensions





Job Information	**Type:**
Job Name:	
Cat. No.:	
Lamp(s):	
Volts/Ballast:	

Lightolier a Genlyte Thomas Company www.lightolier.com
Technical Information: (978) 657-7600 • Fax (978) 658-0595
631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710

LIGHTOLIER®

9" x 48", 12 Cell (1 Row) Parabolic Louver, Static or Air Supply/Return, 2 Lamp T8
IES RP1 For VDT Areas

Photometry

Model No. LIS9G12PR232120SO

GTI TESTING LABORATORY
45 Industrial Way
Wilmington, MA 01887
(978) 657-7500

REPORT NO.: G03007 DATE: 02-13-2003
CATALOG NO.: LIS9G12PR232120SO
LAMP(S): 2 F32/T8 TL841, EACH RATED 2850 LUMENS.
LUMINAIRE: 9X48 WITH SPECULAR 12 CELL LOUVER, RP-1 COMPLIANT
TRIAD B2321120
0.46 AMPS 55.6 WATTS

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	FLUX
0	1870	1870	1870	1870	1870	
5	1854	1860	1858	1872	1882	179
15	1741	1787	1997	2121	2160	554
25	1539	1739	2019	2375	2399	925
35	1268	1591	1834	1697	1637	1018
45	877	1162	914	586	422	640
55	90	191	179	67	46	140
65	12	12	11	14	9	14
75	6	6	5	5	4	6
85	4	4	4	4	3	4
90	0	0	0	0	0	

ZONAL LUMEN SUMMARY

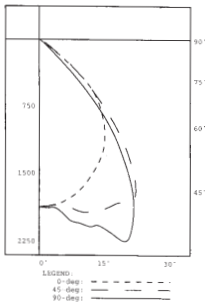
ZONE	LUMENS	%LAMP	%FIXT
0- 30	1658	29.1	47.7
0- 40	2676	46.9	76.9
0- 60	3455	60.6	99.3
0- 90	3479	61.0	100.0
90-180	0	0.0	0.0
0-180	3479	61.0	100.0

TOTAL LUMINAIRE EFFICIENCY = 61.0 %
TOTAL REFLECTANCE OF PAINT = 90.0 %
CIE TYPE - DIRECT

PLANE	: 0-DEG	90-DEG
SPACING CRITERIA	: 1.1	1.4
SHIELDING ANGLES	: 55	55
PLANE	: 0-DEG	90-DEG
LUMINOUS LENGTH	:48.000	12.000

LUMINANCE DATA IN CANDELA/SQ M

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	3336.	3477.	1605.
55	422.	839.	216.
65	76.	70.	57.
75	62.	52.	42.
85	123.	123.	93.



THIS REPORT IS BASED ON PUBLISHED INDUSTRY PROCEDURES • FIELD PERFORMANCE MAY VARY FROM LABORATORY PERFORMANCE.

LER = FP - 52.1 W - 58.0 BF - 0.87
Comparative yearly lighting energy cost per 1000 lumens = $4.61

coefficients of utilization — zonal cavity method

	RF	20			20			20		
	RC	80			50			30		
	RW	70	50	30	50	30	10	50	30	10
room cavity ratio	1	69	67	65	63	62	60	61	60	59
	2	65	61	58	58	56	54	56	54	53
	3	60	56	52	53	50	48	52	49	47
	4	57	51	47	49	46	43	48	45	43
	5	53	47	43	45	42	39	44	41	39
	6	50	43	39	42	38	35	41	37	35
	7	46	40	35	38	35	32	38	34	32
	8	44	37	32	36	32	29	35	32	29
	9	41	34	30	33	29	27	32	29	27
	10	39	32	28	31	27	25	30	27	25

visual comfort probability

room size		ceiling height				ceiling height			
W	L	8.5	10.0	13.0	16.0	8.5	10.0	13.0	16.0
20	20	93	95	93	83	99	98	98	94
20	30	95	95	93	84	99	98	98	95
20	40	96	95	93	84	99	98	98	95
20	60	95	96	93	84	99	98	98	95
30	20	93	95	94	86	99	98	98	94
30	30	95	95	94	86	99	98	98	95
30	40	95	95	94	86	99	98	98	95
30	60	95	96	94	87	99	98	98	95
30	80	97	97	94	87	99	98	98	95
40	20	93	95	94	87	99	98	98	94
40	30	95	95	94	88	99	98	98	95
40	40	95	95	94	88	99	98	98	95
40	60	95	96	94	88	99	98	98	95
40	80	97	97	94	88	99	98	98	95
40	100	97	97	94	88	99	98	98	95
60	30	95	95	94	88	99	98	98	95
60	40	94	95	94	88	99	98	98	95
60	60	97	97	94	88	99	98	98	95
60	80	97	97	95	88	99	98	98	95
60	100	97	97	95	88	99	98	98	95
100	40	94	95	94	88	99	98	98	95
100	60	97	97	95	88	99	98	98	95
100	80	97	97	95	88	99	98	98	95
100	100	97	97	95	88	98	98	98	95

luminaries lengthwise / luminaries crosswise

Ordering Information

Explanation of Catalog Number. Example: LIS9G12PR232120SOGLR

	LI		9		12		R	2	32			

Blank = Standard
N = NYC Code

LI: Anodized Aluminum Louver for VDT use

Body Style:
A=Air Handling
S=Static

Fixture Width

Ceiling Type:
G= Grid (lay-in T bar)
T=Slot grid or two-directional concealed T (see options)

Number of Cells: 1 row of 12 cells

Louver Finish:
P=Low Iridescence Specular
L=Low Iridescence Semi-specular

Reflector:
R= Semi-Specular 95% Reflective

Lamp Quantity

Lamp/Fixture Length:
32=T8 (Nominal 48")

Voltage:
120 or 277

Ballast Type:

	<20THD	<10THD
2 Lamp Elec. T8	**SO***	**HI***

*Instant Start Standard
Other dimming options, consult factory.

DA=DALI digital addressable dimming.

Options:
Add appropriate suffix to catalog no, ie: (GLR)

Options/Accessories

Access Plate: Top Wiring access plate is shipped with fixture as standard. When access plates are required in advance for wiring convenience, specify separately. Order Catalog Number: **ACP5 CSP**.
Electrical/Wiring Options: Consult factory.
Fusing: Internal fast-blow fusing. Suffix: **GLR**.
Internal slow-blow fusing. Suffix: **GMF**.
Air Closure Strips: Suffix: **ACS4** (factory installed).
Drywall Kit: Order Catalog Number: **FK99X4**.
Chicago Plenum: Suffix: **CP**.

Specifications

Performance: In an installation of 2 lamp 32W luminaires in a room cavity ratio of 1, reflectance 80% ceiling, 50% wall, 20% floor, the C.U. shall not be less than .65 with a spacing to mounting ratio of 1.4 perpendicular to the lamps. To meet IES RP-1 for VDT areas the VCP (visual comfort probability) shall not be less than 95 either crosswise or lengthwise and the candela value between 55° and 90° in the 0° to 90° planes shall not exceed 249. Candelas at Nadir (0°) not to exceed 2020.
Air Handling: (LIA only) side air passages for air supply or air return. Optional side closure strips.

Specifications (continued)

Materials: Chassis parts are die-formed cold rolled steel. **Housing** is with all edges turned-in for safe handling.
Louver: Pre-anodized aluminum (Coilzak@ or equal).
Finish: Louver–specular low iridescence pre-anodized reflector sheet.
Reflector: Semi-Specular reflector sheet, 95% reflective. **Chassis exterior**–black baked polyester enamel.
Electrical: Thermally protected class "P" ballast C.B.M. approved, non PCB. If K.O. is within 3" of ballast, use wire suitable for at least 90°.
Labels: I.B.E.W./UL and ULc Listed.

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