

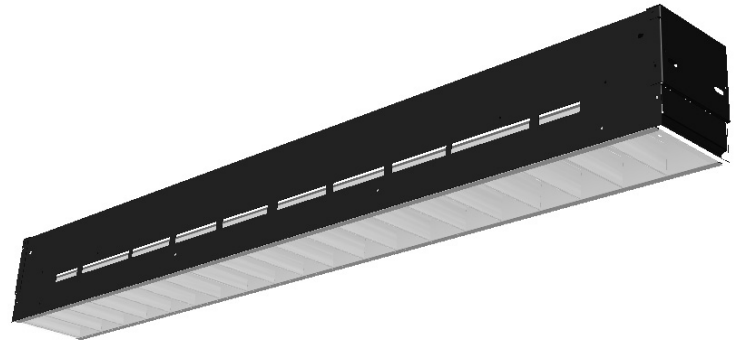
Lytecel Recessed Fluorescent LIS6G20LW132

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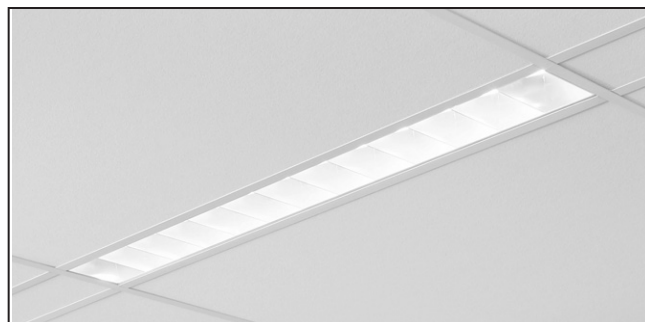
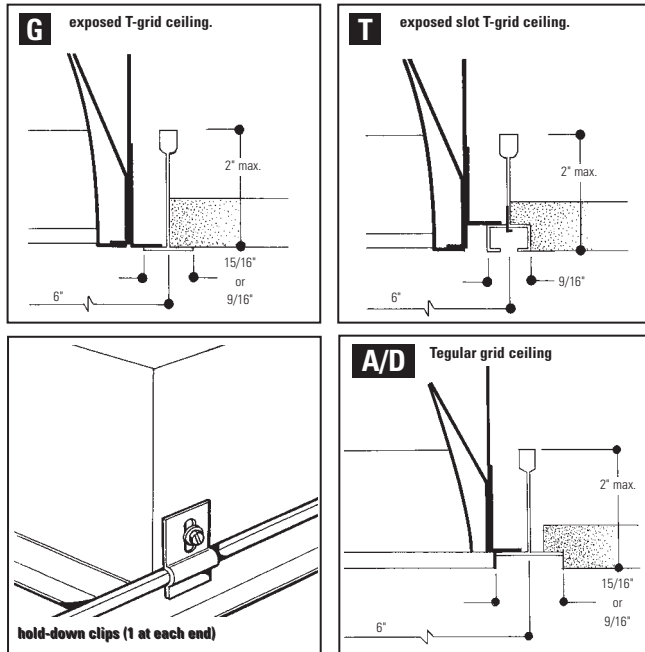
6" wide x 48", 20 Cell (1 Row) Parabolic Louver, Air Return/Static, 1 Lamp T8, IES RP1 For VDT Areas

Features

- 54.1% efficient (1 lamp) semi-specular louver.
- 57.6% efficient (1 lamp) specular louver.
- 1.7 spacing mounting ratio (1 lamp).
- Semi-specular or specular, low iridescence, pre-anodized aluminum louver.
- Vertical grain on cross blades eliminates reflected lamp image.
- Spring loaded latches (self centering).
- Louver has protective dust guard.
- Only 5-1/2" deep body.
- Black housing exterior for cooler ballast operating temperature.
- UL-Listed twin knockout access plate.
- Can be mounted in continuous rows.
- 2 hold-down clips standard.
- Compatible with **Armstrong TECHZONE™** ceiling systems.
- Meets NYC Code requirements.
- Construction to meet Chicago Plenum Code is available.
- Optional DALI ballast accepts digital dimming commands from computers, scene controllers and automatic control devices.

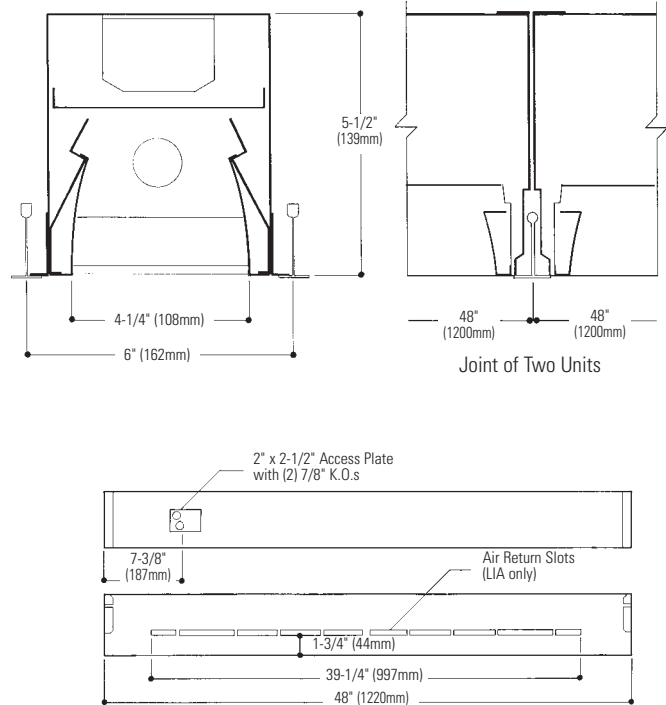


Mounting Methods



Shown in **Armstrong TECHZONE™** ceiling.

Dimensions



Job Information

Type:

Job Name:

Cat. No.:

Lamp(s):

Volts/Ballast:

Lightolier a Genlyte 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

We reserve the right to change details of design, materials and finish.

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Section 2/Folio G07-32



Lytecel Recessed Fluorescent LIS6G20LW132

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6" wide x 48", 20 Cell (1 Row) Parabolic Louver, Air Return/Static, 1 Lamp T8, IES RP1 For VDT Areas

Model No. LIS6G20LW132120SO

LER = FP - 43.4 IW - 39.00 BF - 1.10
 Comparative yearly lighting energy cost per 1000 lumens = \$5.53
 Report Number: G1206002
 Catalog Number: LIS6G20LW132120SO
 Lamp: F32 T8
 Luminaire: 6" wide Troffer with semi-specular louver and white reflector.
 Ballast: Advance REL-2P32-SC
 Report is based on 2850 Lumens per lamp.
 Efficiency: 54.1%
 CIE Type-Direct-Indirect
 Plane: 0-Deg 90-Deg
 Spacing Criteria: 1.2 1.7
 Shielding Angles: 90 90
 Plane: 0-Deg 90-Deg
 Luminous Length: 47.943 5.816

CANDELA DISTRIBUTION

	0.0	45.0	90.0	FLUX
0	633	633	633	
5	630	628	635	60
15	590	619	660	175
25	539	599	694	285
35	473	621	760	388
45	373	554	581	389
55	231	260	203	212
65	12	32	21	28
75	2	3	5	4
85	1	1	2	1
90	0	1	1	

COEFFICIENTS OF UTILIZATION – ZONAL CAVITY METHOD. EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80	50	30	10	50	30	10
1	60	58	57	55	54	53	52
2	56	53	50	50	48	46	46
3	52	47	44	45	42	40	41
4	48	43	39	41	37	35	37
5	44	38	34	37	33	31	36
6	41	35	30	33	30	27	33
7	38	32	27	30	27	24	30
8	36	29	25	28	24	22	27
9	33	27	22	26	22	19	25
10	31	24	20	24	20	18	23

TYPICAL V.C.P.'s

Room Size	Mounting Height							
	Lengthwise				Crosswise			
	0 Deg Plane		90 Deg Plane		0 Deg Plane		90 Deg Plane	
	8.5	10	8.5	10	8.5	10	8.5	10
30x30	91	88	87	82	92	88	86	80
40x40	92	88	87	85	94	88	88	84
60x30	92	88	87	84	93	88	86	81
60x60	92	88	87	85	94	90	88	85
100x100	91	89	88	85	95	92	88	86

LUMINANCE DATA IN CANDELA/SQ. METER

AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	2929.	4350.	4564.
55	2242.	2521.	1969.
65	162.	419.	270.
75	39.	65.	104.
85	33.	59.	103.

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0-30	520	18.3	33.7
0-40	909	31.9	58.9
0-60	1510	53.0	97.9
0-90	1542	54.1	100.0
90-180	0	0.0	0.0
0-180	1542	54.1	100.0

Model No. LIS6G20PW132120SO

LER = FP - 45.8 IW - 39.0 BF - 1.10
 Comparative yearly lighting energy cost per 1000 lumens = \$5.24
 Report Number: G1206003
 Catalog Number: LIS6G20PW132120SO
 Lamps: F32 T8
 Luminaire: 6" wide Troffer with specular louver and white reflector.
 Ballast: Advance REL-2P32-SC
 Report is based on 2850 Lumens per lamp.
 Efficiency: 57.6%
 CIE Type-Direct-Indirect
 Plane: 0-Deg 90-Deg
 Spacing Criteria: 1.2 1.7
 Shielding Angles: 90 90
 Plane: 0-Deg 90-Deg
 Luminous Length: 47.943 5.816

CANDELA DISTRIBUTION

	0.0	45.0	90.0	FLUX
0	662	662	662	
5	641	643	664	61
15	630	644	652	181
25	556	620	712	292
35	487	678	821	416
45	398	623	647	430
55	269	293	208	236
65	1	29	17	21
75	0	2	5	3
85	0	1	2	1
90	1	1	1	

COEFFICIENTS OF UTILIZATION – ZONAL CAVITY METHOD. EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80	50	30	10	50	30	10
1	64	62	60	59	57	56	55
2	60	56	53	53	51	49	49
3	55	50	46	48	45	42	46
4	51	45	41	43	40	37	42
5	47	41	36	39	35	32	38
6	44	37	32	35	31	29	34
7	41	33	29	33	28	25	31
8	38	31	26	29	26	23	29
9	35	28	24	27	23	20	26
10	33	26	21	25	21	19	24

TYPICAL V.C.P.'s

Room Size	Mounting Height							
	Lengthwise				Crosswise			
	0 Deg Plane		90 Deg Plane		0 Deg Plane		90 Deg Plane	
	8.5	10	8.5	10	8.5	10	8.5	10
30x30	90	82	82	81	93	88	85	78
40x40	91	82	82	83	94	88	87	82
60x30	91	82	82	83	93	88	86	80
60x60	91	82	83	83	94	90	87	84
100x100	91	82	83	83	95	91	89	85

LUMINANCE DATA IN CANDELA/SQ. METER

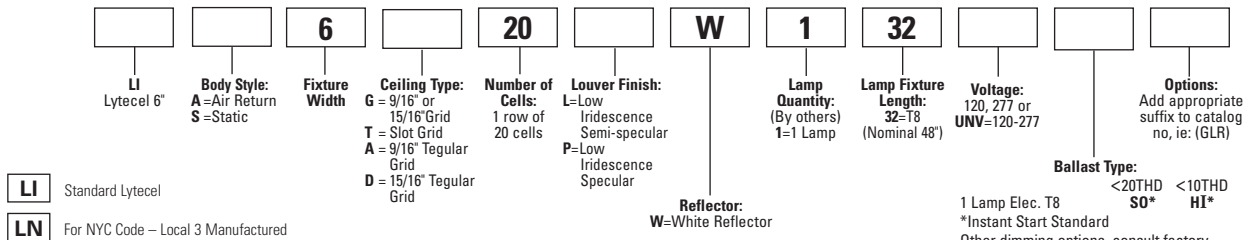
AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	3130.	4896.	5087.
55	2605.	2838.	2018.
65	8.	379.	217.
75	10.	53.	98.
85	23.	67.	113.

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0-30	535	18.8	32.6
0-40	950	33.3	57.9
0-60	1617	56.7	98.5
0-90	1641	57.6	100.0
90-180	0	0.0	0.0
0-180	1641	57.6	100.0

Ordering Information

Explanation of Catalog Number. Example: LIS6G20LW132120SO



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.

EM Pack or Dimming Ballast: Consult factory.

Fusing: Internal fast-blow fusing. Suffix: **GLR**.
 Internal slow-blow fusing. Suffix: **GMF**.

Chicago Plenum: Suffix: **CP**.

Specifications

Performance: In an installation of 1 lamp 32W semi-specular luminaires in a room cavity ratio of 1, reflectance 80% ceiling, 50% wall, 20% floor, the C.U. shall not be less than .58 with a spacing to mounting ratio of 1.7 perpendicular to the lamps. To meet IES RP-1 for VDT areas the VCP (visual comfort probability) shall not be less than 91 either crosswise or lengthwise and the candela value between 55° and 90° in the 0° to 90° planes shall not exceed 2521. Candelas at Nadir (0°) not to exceed 633.

Air Handling-(LIA) side air passages for air return.

Materials: Chassis parts are die-formed cold rolled steel.

Louver: Pre-anodized aluminum (Coilzak® or equal).

Specifications (continued)

Finish: Louver—specular or semi-specular low iridescence pre-anodized reflector sheet. **Reflector:** White baked polyester enamel reflector. **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.

This product may have a mercury containing lamp. Manage in accord with Disposal Laws. See: www.lamprecycle.org

Job Information

Type:

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