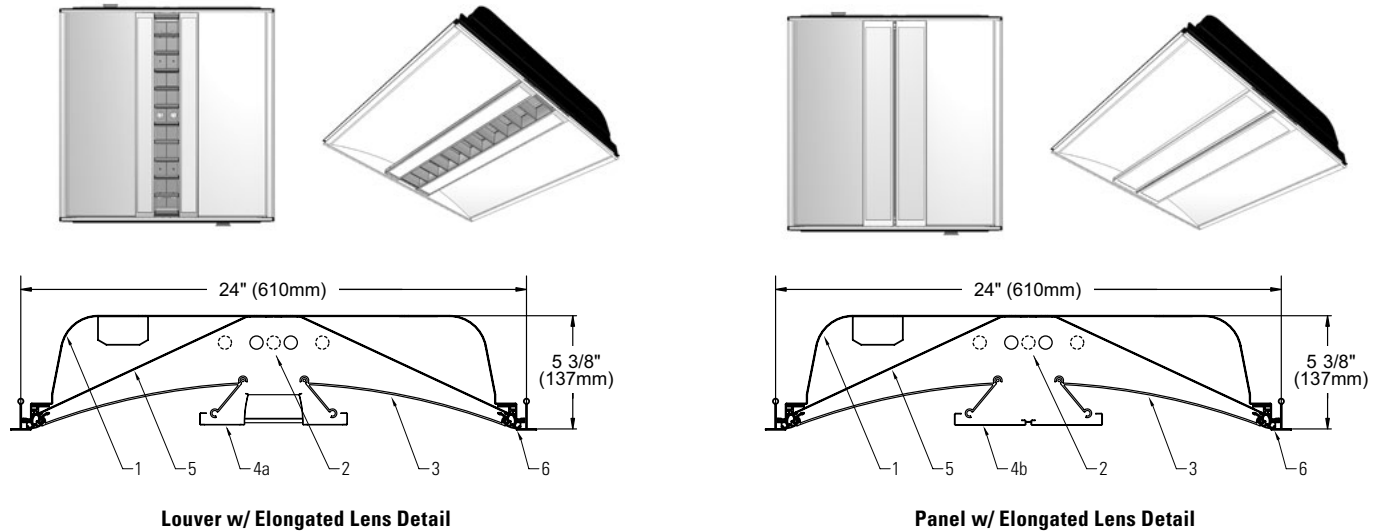


Aletta **ALS2GUL224 or 324**

Page 1 of 2

Architectural Direct/Indirect 2' X 2' Recessed Fluorescent
Static, 2 or 3 Lamp T5HO



Aletta: Direct/Indirect Recessed Fluorescent	Body Style: S = Static	Fixture Width: 2	Ceiling Type: G = Both Standard Grid and Slot Grid	Housing: U = Individual	Shielding: L = Louver with elongated lens P = Panel with elongated lens	Lamp Quantity: 2 = 2 Lamps 3 = 3 Lamps	Lamp: (By Others) 24 = T5HO 24w (Nominal 24")	Voltage: 120, 277 or UNV = 120-277	Ballast Type: 1 & 2 Lamp Elec. T5HO (24 Watt 3 lamps 2 ballasts) 2 Lamp Elec. T5HO (24 Watt) ††Program Rapid Start (UNV only)	Options: Add appropriate suffix to catalog no., ie: (A) <10THD PG †† PG ††
AL	Standard Aletta									
AY	For NYC Code - I.B.E.W. Manufactured									

Features

- Housing:** Black baked polyester enamel die-formed code gauge cold rolled steel. 20 gauge available for NYC.
- Lamp:** Two or Three 24 watt T5HO lamps. (by others)
- Lens Assembly:** Extruded 100% DR Frost acrylic. Spring latch lens hinges, left and right sides independently, downward into the room cavity.
- 4a. Louver:** High purity Semi-Specular, 2-3/4" (6.99cm) opening x 1-3/8" (3.49cm) deep on 2" (5.08cm) ctrs with micro-prismatic side overlays. Elongated lens openings are 21-5/8" (54.93cm) windows.
- 4b. Panel:** 24 gauge powder painted CRS with linear micro-prismatic lens overlays. Elongated lens openings are 21-3/8" (54.29cm) windows.
- Performance Kick Reflector:** .024" (0.06cm) steel with 95% reflective white powder painted.
- Trim:** Extruded aluminum trim, painted white, interfaces with ceiling grid or plaster frame by others.

Electrical

Ballasts are electronic and high power factor. Dimming ballasts are available on many lamp types, please consult factory regarding specific applications. 1325 max lumen battery pack is standard. See application table on page 2 for output with specific lamp types. Factory installed ballast disconnect allows the ballast to be disconnected from and reconnected to incoming power under load without turning the entire circuit off.

Labels

UL, cUL and I.B.E.W.

Options/Accessories

- Fusing:** Internal fast blow fusing: SUFFIX: **A**.
Internal slow blow fusing: SUFFIX: **C**.
- Radio Interference Filter:** To order one RIF per fixture; SUFFIX: **R**.
To order one RIF per ballast; SUFFIX: **B**.
- Electrical Wiring Options:** Consult factory.
- For motion or light sensor:** Consult www.lighttolier.com ULM Sensor.
- Chicago Plenum:** SUFFIX: **C**.
- Drywall Kit:** Order Catalog Number: **FK92X2**.

Job Information

Type:

Job Name:

Cat. No.:

Lamp(s):

Notes:

Aletta **ALS2GUL224 or 324**

Page 2 of 2

Architectural Direct/Indirect 2' X 2' Recessed Fluorescent
Static, 2 or 3 Lamp T5HO

Photometry

Model No. ALS2GUP224UNVPG

LER = FP - 50.6 IW - 47.5 BF - 1.0

Comparative yearly lighting energy cost per 1000 lumens = \$4.47

Report Number: G2010097

Catalog Number: ALS2GUP224UNVPG

Lamps: (2) F24T5HO

Luminaire: Aletta 2' X 2' fixture, Panel with elongated lens.

Ballast: Advanced ICN-2S24

Report is based on 1800 Lumens per lamp.

Efficiency: 66.8%

CIE Type-Direct-Indirect

Plane: 0-Deg 90-Deg

Spacing Criteria: 1.1 1.1

Shielding Angles: 90 90

Plane: 0-Deg 90-Deg

Luminous Length: 22.800 22.560

Candela Distribution

	0.0	45.0	90.0	FLUX
0	991	991	991	
5	981	985	986	94
15	925	959	942	264
25	821	810	799	377
35	683	658	658	419
45	522	496	503	390
55	361	353	450	342
65	222	268	384	284
75	111	185	249	188
85	26	41	44	45
90	0	0	0	

Model No. ALS2GUP324UNVPG

LER = FP - 71.1 IW - 51.9 BF - 1.0

Comparative yearly lighting energy cost per 1000 lumens = \$5.47

Report Number: G2010142

Catalog Number: ALS2GUP324UNVPG

Lamps: (3) F24T5HO

Luminaire: Aletta 2' X 2' fixture, Panel with elongated lens

Ballast: (2) B224PUNV-C

Report is based on 1800 Lumens per lamp.

Efficiency: 57.8%

CIE Type-Direct-Indirect

Plane: 0-Deg 90-Deg

Spacing Criteria: 1.1 1.4

Shielding Angles: 90 90

Plane: 0-Deg 90-Deg

Luminous Length: 22.800 21.960

Candela Distribution

	0.0	45.0	90.0	FLUX
0	1165	1165	1165	
5	1161	1129	1110	107
15	1097	1051	1088	302
25	972	994	1085	462
35	799	895	1021	562
45	608	736	881	567
55	435	555	697	501
65	287	374	486	375
75	144	202	246	209
85	29	30	29	39
90	0	0	0	

Coefficients of Utilization ~ Zonal Cavity Method. Effective Floor Cavity Reflectance 0.20

RC	80	50	30
RW	70	50	30
1	73	69	67
2	66	61	56
3	60	53	48
4	55	48	42
5	51	43	37
6	47	39	33
7	44	35	29
8	41	32	27
9	38	30	24
10	36	27	22

Luminance Data in Candela/Sq. Meter

Average IN Deg.	Average 0-Deg.	Average 45-Deg.	Average 90-Deg.
45	2224.	2113.	2143.
55	1896.	1854.	2363.
65	1582.	1910.	2737.
75	1292.	2153.	2898.
85	899.	1417.	1521.

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt.
00-030	735	20.4	30.6
00-040	1154	32.1	48.0
00-060	1886	52.4	78.5
00-090	2403	66.8	100.0
90-180	0	0.0	0.0
00-180	2403	66.8	100.0

Coefficients of Utilization ~ Zonal Cavity Method. Effective Floor Cavity Reflectance 0.20

RC	80	50	30
RW	70	50	30
1	63	60	57
2	57	53	49
3	52	46	42
4	48	41	36
5	44	37	31
6	41	33	28
7	38	30	25
8	35	27	22
9	33	25	20
10	31	23	19

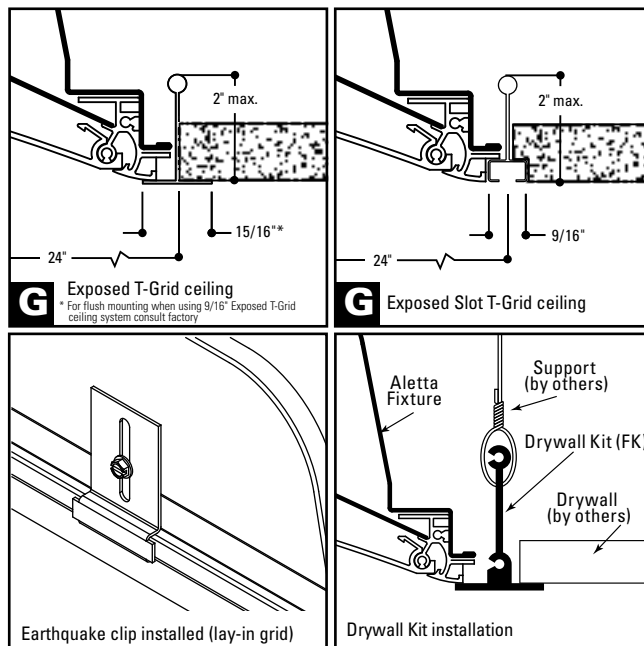
Luminance Data in Candela/Sq. Meter

Average IN Deg.	Average 0-Deg.	Average 45-Deg.	Average 90-Deg.
45	2661.	3221.	3856.
55	2347.	2994.	3761.
65	2102.	2739.	3559.
75	1722.	2415.	2941.
85	1030.	1065.	1030.

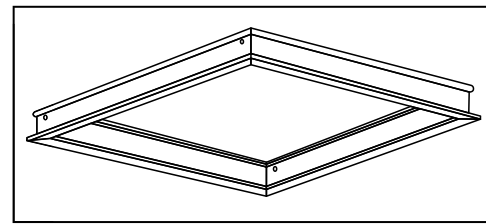
Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt.
00-030	871	16.1	27.9
00-040	1433	26.5	45.9
00-060	2501	46.3	80.1
00-090	3124	57.8	100.0
90-180	0	0.0	0.0
00-180	3124	57.8	100.0

Mounting Methods



Mounting Accessory



Drywall Conversion Kit

for individual units only

Drywall Kit: Order Catalog Number: **FK92X2.**

Job Information

Type:

For factory technical information: (978) 567-7600 • Fax (978) 658-0595
631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
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