

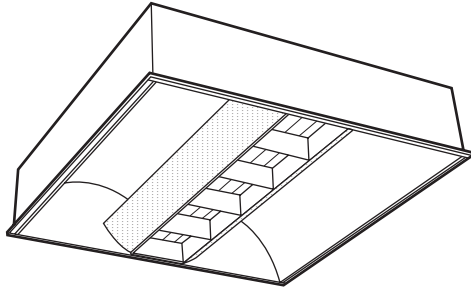


INDIRECT

Lumio CENTER LOUVER

2' x 2', LINEAR

TYPE



Project: _____

Location: _____

CONSTRUCTION

Luminaire housing and end caps are die formed code gauge cold rolled steel. The two piece aluminum reflector is profiled to a precision curve and finished with a matte white paint that provides soft, uniform, indirect illumination. Matte white perforated light side baskets are attached to the louver frame and snap securely into place. Louver can be removed for ease of lamp replacement.

SHIELDING

Two perforated metal light baskets (51% opening) with opal acrylic overlays are standard around the center louver. Louver choices include a true parabolic center louver that provides precise optical control, a high efficiency louver that delivers light to the task or steel cross baffle in either solid or perforated.

FINISH

White powder coat finish on the housing, light baskets, and reflector is applied after fabrication. Provides a soft, non-glare surface.

INSTALLATION

For fast wiring connections without the necessity of opening fixture or wireway, a flex connector adaptor plate is furnished with each luminaire.

LABELS AND ELECTRICAL

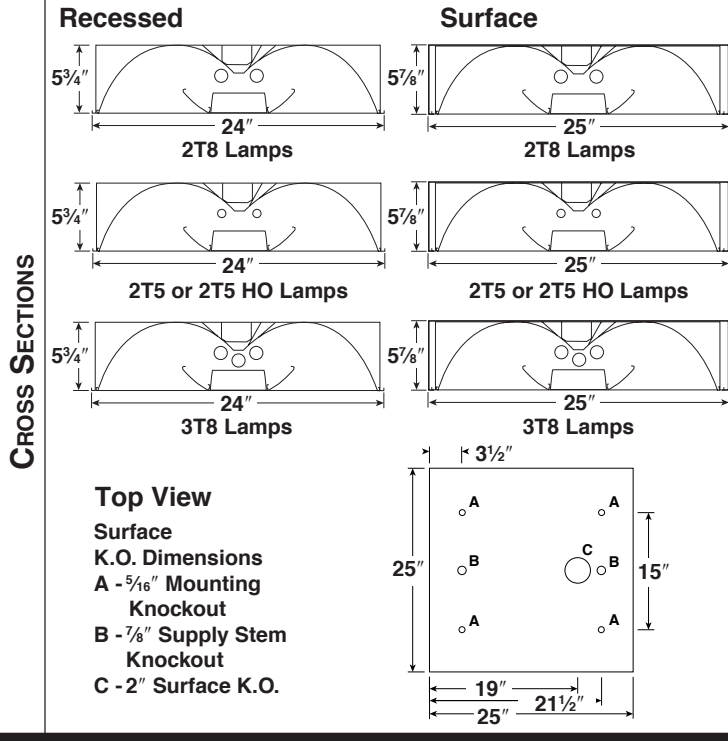
All luminaires are listed with UL and bear appropriate recessed fixture labels. Completely wired with class "P", thermally protected, resetting, HPF, CBM ballast. Sound rated A. All ballast leads extend a minimum of 6" through the access opening.

CEILING COMPATIBILITY

Luminaire is designed to fit into a lay-in grid ceiling. Flange kits are available.

SURFACE OR PENDANT MOUNT

Attractive surface mount units available to match performance and aesthetics of recessed models.



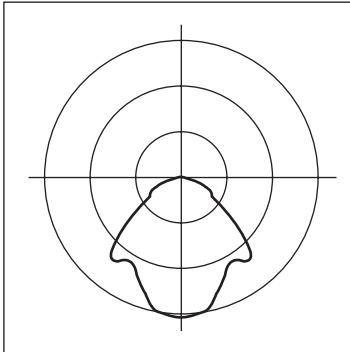
Dimensions and specifications subject to change without notice.

ORDERING INFORMATION	Model LUML - Lumio Center Louver	Ceiling Type G - Grid Lay-in SM - Surface Mount (For hard ceilings use flange kit)	Ballast Type E - Electronic, Instant Start (Standard for T8) ED - Electronic, Dimming, T5/T5HO, 0-10V EP - Electronic, Programmed Start (Standard for T5 & T5HO, optional for T8) Unless specified, Alera will use fewest ballasts possible.	Voltage 120 - 120V 277 - 277V 347 - 347V U - 120V-277V
	Size 22 - 2' x 2'			Louver Type High Efficiency - Center Louver LS - Low Iridescent Specular MA - Matte Anodized Low Iridescent Semi-Specular Brightness Control - Center Louver BLS - Low Iridescent Specular BMA - Matte Anodized Low Iridescent Semi-Specular Steel Cross Baffle WCB - White Cross Baffle WPB - White Perforated Cross Baffle
	No. of Lamps in Cross Section 2 - Two 3 - Three			
	Lamp Type 17 - 2', 17 Watt, T8 14 - 2', 14 Watt, T5 24 - 2', 24 Watt, T5 High Output			

TWO LAMP

Cat. No.: LUML22-217G-LSMPO-E
Lamps: Two F17T8
Ballasts: REL2P32SC
Test No.: 13154
Efficiency: 70.9%

Candela Curve (90° Plane)



CANDLEPOWER			
Deg.	Parl.	45°	Norm.
0	881	881	881
5	878	878	876
10	868	866	856
15	847	838	804
20	813	785	731
25	772	717	657
30	721	644	615
35	657	577	637
40	583	522	673
45	494	488	604
50	393	448	438
55	283	351	288
60	183	238	239
65	121	164	217
70	93	125	164
75	67	96	76
80	41	43	45
85	17	17	17
90	0	0	0

ZONAL SUMMARY			
Zone	Lumens	Lamp	Fixture
0-30	648	23.1	32.6
0-40	1033	36.9	52.0
0-60	1709	61.0	86.0
0-90	1986	70.9	100.0
0-180	1986	70.9	100.0

ENERGY DATA	
Energy Cost: \$4.71*	LER: 51
Input Watts: 34	BF: 0.87
*Comparative annual lighting energy cost per 1000 lumens based on 3000 hours and \$0.08 per KWH.	

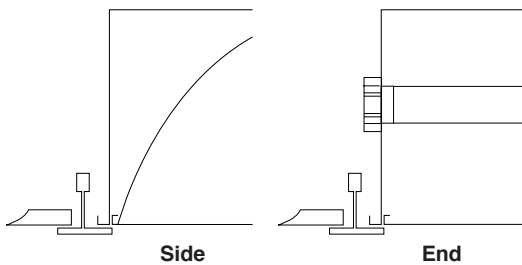
Spacing Criterion: Along = 1.22, Across = 1.06

COEFFICIENTS OF UTILIZATION												
Effective Floor Cavity Reflectance = 0.20												
RC RW	80				70				50			0
	70	50	30	10	70	50	30	10	50	30	10	0
1	78	76	73	71	77	74	72	70	71	69	68	63
2	73	68	63	60	71	66	63	59	64	61	58	55
3	67	61	56	52	65	60	55	51	58	54	50	48
4	62	54	49	45	60	53	48	44	52	47	44	42
5	57	49	43	39	56	48	42	38	46	42	38	36
6	53	44	38	34	51	43	38	34	42	37	33	32
7	49	40	34	30	47	39	34	30	38	33	29	28
8	45	36	30	26	44	35	30	26	34	29	26	24
9	41	32	26	23	40	32	26	22	31	26	22	21
10	38	29	24	20	38	29	24	20	28	23	20	18

ENERGY DATA										VCP	
Reflectance - 80, 50, 20											
Work Plane Illumination - 100 FC@ 2.5 ft.											
Room Room		Luminaires Lengthwise				Luminaires Crosswise					
W	L	Ht.	8.5	10.0	13.0	16.0	Ht.	8.5	10.0	13.0	16.0
20	20		77	81	86	91		72	76	83	88
20	40		73	75	78	81		69	70	71	74
30	30		74	76	79	83		71	73	73	79
30	60		72	72	74	76		69	70	69	70
40	40		74	74	75	78		72	72	71	72
40	60		73	73	73	74		71	70	69	69
60	30		77	78	79	82		75	76	75	80
60	40		75	75	75	77		73	73	72	72
60	60		73	73	72	73		72	71	69	69

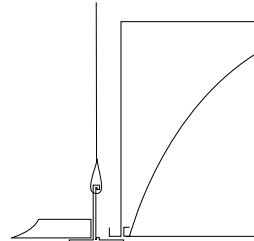
CEILING COMPATIBILITY & FLANGE DETAIL

Type G



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

Flange Kit Trim, FK22



For hard ceiling applications, fixtures must be ordered with a flange kit that wires directly into the concealed ceiling opening for a clean finished appearance. For row configurations contact your local Alera Representative.

Flange kit cut out dimension for single FK22 only: 24 3/8" x 24 3/8"