

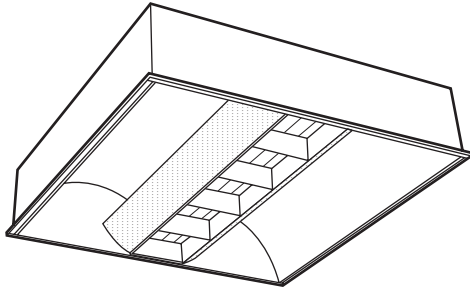


INDIRECT

Lumio CENTER LOUVER

2' x 2', TWIN TUBE

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.

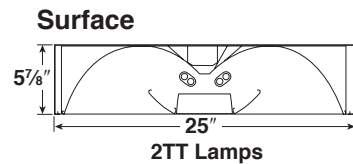
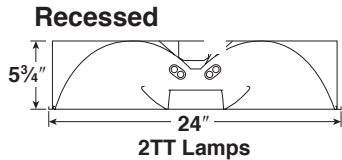
CEILING COMPATIBILITY

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

SURFACE OR PENDANT MOUNT

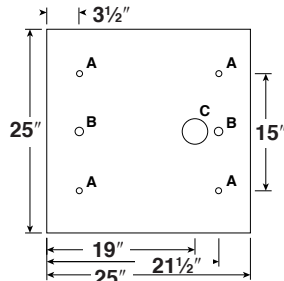
Attractive surface mount units available to match performance and aesthetics of recessed models.

CROSS SECTIONS



Top View

- Surface K.O. Dimensions
- A - 5/16" Mounting Knockout
- B - 7/8" Supply Stem Knockout
- C - 2" Surface K.O.



Dimensions and specifications subject to change without notice.

ORDERING INFORMATION

Model

LUML - Lumio Center Louver

Size

22 - 2' x 2'

No. of Lamps in Cross Section

2 - Two

Lamp Type

- 40TT - 40 Watt Twin Tube Compact Fluorescent
- 50TT - 50 Watt Twin Tube Compact Fluorescent

Ceiling Type

- G - Grid Lay-in
- SM - Surface Mount (For hard ceilings use flange kit)

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

Ballast Type

- ETT - Electronic Twin Tube, Instant Start
- Unless specified, Alera will use fewest ballasts possible.

Voltage

- 120 - 120V
- 277 - 277V
- 347 - 347V
- U - 120V-277V

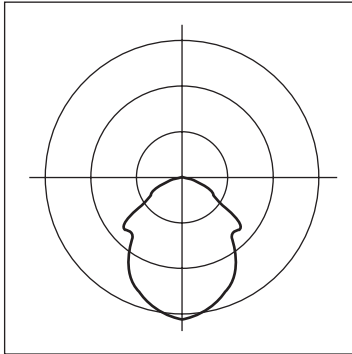
Options

- FK22 - 2x2 Flange Kit
- DL - Damp Label
- GLR - Fast Blow Fuse
- GMF - Slow Blow Fuse
- EL - Emergency Battery Pack
- CSA - UL listed or CSA certified for Canada

TWO LAMP

Cat. No.: LUML22-240TTG-LSMPO-ETT
Lamps: Two F40BX
Ballasts: RCN2TT40SC
Test No.: 13166
Efficiency: 71.1%

Candela Curve (90° Plane)



CANDLEPOWER			
Deg.	Parl.	45°	Norm.
0	2045	2045	2045
5	2043	2041	2026
10	2018	2010	1972
15	1967	1929	1862
20	1892	1814	1776
25	1800	1699	1676
30	1685	1576	1531
35	1545	1431	1330
40	1372	1257	1128
45	1158	1049	1097
50	910	844	1118
55	634	713	847
60	381	565	535
65	247	361	461
70	190	258	300
75	134	172	160
80	80	86	91
85	31	33	33
90	0	0	0

ZONAL SUMMARY			
Zone	Lumens	Lamp	Fixture
0-30	1527	24.2	34.1
0-40	2418	38.4	54.0
0-60	3904	62.0	87.2
0-90	4476	71.1	100.0
90-180	0	0.0	0.0
0-180	4476	71.1	100.0

ENERGY DATA	
Energy Cost: \$4.62*	LER: 52
Input Watts: 73	BF: 0.85

*Comparative annual lighting energy cost per 1000 lumens based on 3000 hours and \$0.08 per KWH.

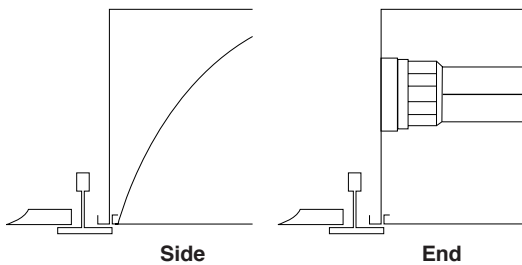
Spacing Criterion: Along = 1.23, Across = 1.14

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	79	76	74	71	77	74	72	70	71	70	68	63
2	73	68	64	61	71	67	63	60	64	61	59	55
3	68	61	56	52	66	60	56	52	58	54	51	48
4	62	55	50	45	61	54	49	45	52	48	45	42
5	57	49	44	39	56	48	43	39	47	42	39	37
6	53	45	39	35	52	44	38	34	43	38	34	32
7	49	40	34	30	48	40	34	30	39	34	30	28
8	45	36	31	27	44	36	30	27	35	30	26	25
9	42	33	27	23	41	32	27	23	31	27	23	22
10	39	30	24	21	38	29	24	21	29	24	21	19

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		63	66	72	78		57	59	68	77
20	40		58	59	62	66		54	53	54	57
30	30		60	60	64	68		56	56	56	63
30	60		57	57	57	59		54	53	51	53
40	40		59	59	59	61		57	56	54	55
40	60		58	57	56	58		55	54	52	52
60	30		63	63	64	67		61	61	60	65
60	40		61	60	59	61		58	57	55	56
60	60		59	58	56	57		57	55	52	53

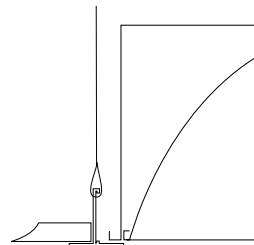
CEILING COMPATIBILITY & FLANGE DETAIL

Type G



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