ZENITH IIa
ZA2 SERIES

2X2 Twin Side Light Shields Indirect/Direct Luminaire

Fixture Type: _____

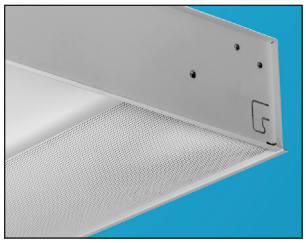
Job Information: _____

_____

_____

SPECIFICATIONS:

- Recessed 2X2 fluorescent luminaire featuring a computer designed precision optical system that provides indirect/direct illumination. An optically correct contoured reflector enables precise indirect light distribution, while twin side-located perforated light shields provide the soft direct illumination.
- The system delivers comfortable illumination by filling the entire volume of space evenly. Broad angle illumination lights walls and vertical surfaces creating a more open and comfortable space.
- All components are recessed above the ceiling line. Install in ceilings as low as eight feet.
- Housing: Die formed from 20GA cold rolled steel and fabricated in a computer-controlled operation. Spot-welded and riveted together for strength and unity. Pry-out style grid supports are located on the sides.
- Indirect reflector: One-piece reflector, CAD designed to the optimum contour, is securely screwed into the housing with hidden hardware. Easily removed for ballast access.
- Side light shields: Die formed and fabricated from heavy gauge perforated steel and integrated with an internal white Mylar panel. Light shields are capable of swinging down for lamp access.
- Finish: A custom formulated non-glare white powder coating is applied to the reflector, light shield, and the housing after fabrication. Provides a reflectivity of at least 90%.
- T5 Lamps: Two or four 2Ft. linear fluorescent lamps; 14W-T5 or 24W-HO-T5.
- T8 Lamps: Two or four 2Ft. linear fluorescent lamps; 17W-T8. Others as specified.
- TT5 Lamps: Two twin-tube compact fluorescent lamps; 40W-TT5, 50W-TT5, or 55W-TT5.
- Ballasts T5: Electronic programmed start, normal light output, high power factor, THD less than 10%. Up to 2-lamps per 14W-T5 or 24W-HO-T5 ballast.
- Ballasts T8: Electronic instant start, normal light output, high power factor, THD less that 10%. Up to 4-lamps per ballast. Optional T8 performances: rapid start circuit, high light output, or low-watt.
- Ballasts 40W-TT5: Electronic instant start, normal light output, high power factor, THD less that 10%. Up to 2-lamps per ballast. Optional performances: rapid start circuit.
- Ballasts 50W and 55W-TT5: Electronic programmed start, normal light output, high power factor, THD less that 10%. Up to 2-lamps per ballast.
- Voltage: Multi-volt operates a range from 120V-277V, 50HZ-60HZ. Dedicated voltages on request.
- Dimming: Lutron or Advance dimming ballasts as specified.
- Emergency battery backup: Integrated packs range from 450 up to 1125 lumen output. Varies with lamp type.
- Installations: Designed for installation into NEMA Type G lay-in acoustical grid ceiling systems, 1" grid or 9/16" fine-line grid. For NEMA Type F dry wall applications an additional flange kit must be used with Type G housing. Four pull-out type security clips, located in the housing, lock over the ceiling grid work. Four auxiliary suspension points are also provided for securing to building structure.
- Electrical: A quick wiring access plate is located on back of the housing. Additional knockouts provided. Factory installed lamps and power whips as specified.
- UL and CUL listed 1598 and bears their label. Suitable for dry locations or optional damp locations with UL Damp Label. Union made and labeled.



Shield Detail

MERCURY LIGHTING PRODUCTS CO. INC.

ALM ARCHITECTURAL LIGHTING

20 Audrey Place • Fairfield, NJ 07004 • Tel: 973.244.9444 • Fax: 973.244.9522
www.mercltg.com

ZA2 SERIES 2X2 Twin Side Light Shields Indirect/Direct Luminaire

Fixture Type: _____ **Job Information:** _____

ORDERING DATA: Fill in boxes below with corresponding bold options.

Example: ZA2-22G-240-BIAX-ELB-UNI-EMPK/I32

ZA2						
Series	**Module Size/Ceiling**	**No. of Lamps/ Wattage Ea. Lamp**	**Lamp Type**	**Ballast Type**	**Voltage**	**Misc**

ZA2
Zenith IIa 2X2 Twin Side Light Shields Indirect/ Direct Luminaire

22G
2X2 Module/NEMA Type G/Lay-in Grid , 1" or 9/16" Fine Line.

FK-22
2X2 Flange Kit/ For NEMA Type F Applications. Order Separately. For Dry Wall Installations. Use with "G" Type Fixture.

240 2-40W-TT5 Compact
250 2-50W-TT5 Compact
255 2-55W-TT5 Compact
214 2-14W-T5 Linear
224 2-24W-HO-T5 Linear
414 4-14W-T5 Linear
424 4-24W-HO-T5 Linear
217 2-17W-T8 Linear*
417 4-17W-T8 Linear*
___ As Specified.

BIAX Twin Tube Compact TT5
T5 Linear T5
HO-T5 Linear High Output T5
OCT Linear T8

***NOTE:** T8 Lamping for Individual Mounting Only. Not Capable of End-To-End Continuous Runs.

ELB 40W-TT5 Electronic Instant Start. Up to 2-Lamps/Ballast.
ELBS 40W-TT5 Electronic Rapid Start. Up to 2-Lamps/Ballast.
ELB 50W or 55W-TT5 Electronic Programmed Start. Up to 2-Lamps/Ballast.
ELB T5 or HO-T5 Electronic Programmed Start. Up to 2-Lamps/14W Ballast. Up to 2-Lamps/24W-HO Ballast.
ELB T8 Electronic Instant Start. Up to 4-Lamps/Ballast.
ELBL T8 Electronic Instant Start Low Watt. Up to 4-Lamps/Ballast.
ELBH T8 Electronic Instant Start High Light Output. Up to 4-Lamps/Ballast.
ELBS T8 Electronic Rapid Start. Up to 4-Lamps/Ballast.
ELBD T5, T5, HO-T5, or T8 Electronic Dimming. Lutron or Advance as Specified.
ELB-___ T5, T5, HO-T5, or T8 Electronic As Specified.

UNI Universal Voltage. Multi-Volt 120V-277V, 50HZ-60HZ.
120V Dedicated Voltage 120V-60HZ.
277V Dedicated Voltage 277V-60HZ.

DL UL Damp Label.
L___ Factory Lamps Installed, Specify Color. Ex: L741

EMPK/I32 I-32 or Equal 450 Lumens. One 40W-TT5 or 17W-T8 Lamp.
EMPK/I48 I-48 or Equal 650 Lumens. One 40W-TT5, 50W-TT5, or 55W-TT5 Lamp. One or Two 17W-T8 Lamps.
EMPK/I320 I-320 or Equal 1125 Lumens. One 40W-TT5, 50W- TT5, or 55W-TT5 Lamp. One 14W-T5 or 24W-HO-T5 Lamp. One or Two 17W-T8 Lamps.
EMPK/I232 I-232 or Equal 1000 Lumens. Two 17W-T8 Lamps.
EMPK/ISL28 ISL-28 or Equal 500 Lumens. One 14W-T5 or 24W-HO-T5 Lamp.
EMPK/ISL54 ISL-54 or Equal 450 Lumens. One 14W-T5 or 24W-HO-T5 Lamp.
EMPK/ISL540 ISL-540 or Equal 700 Lumens. One 14W-T5 or 24W-HO-T5 Lamp.
FLX 6Ft. Single Circuit Power Flex. (Specify Voltage).
FLX2 6Ft. 2-Circuit Power Flex. (Specify Voltage).
2B 2-Ballasts, 2-Circuits.

PHOTOMETRICS:

ZA2-22G-240-BIAX-ELB-UNI

LTL # 05551 ZONAL CAVITY COEFFICIENTS OF UTILIZATION EFFECTIVE FLOOR CAVITY REFLECTANCE=0.20

CEILING	80			70			50			30			10		0
WALL	.70	.50	.30	.70	.50	.30	.50	.30	.10	.50	.30	.10	.50	.30	.10	0
RCR																
0	.65	.65	.65	.64	.64	.64	.61	.61	.61	.58	.58	.58	.56	.56	.56	.55
1	.60	.57	.55	.58	.56	.54	.54	.52	.50	.52	.50	.49	.50	.48	.47	.46
2	.54	.50	.46	.53	.49	.46	.47	.44	.42	.45	.43	.41	.44	.42	.40	.39
3	.50	.44	.40	.48	.43	.39	.42	.38	.35	.40	.37	.35	.39	.36	.34	.33
4	.46	.39	.34	.44	.38	.34	.37	.33	.30	.36	.32	.30	.35	.32	.29	.28
5	.42	.35	.30	.40	.34	.29	.33	.29	.26	.32	.28	.25	.31	.28	.24	.24
6	.38	.31	.26	.37	.30	.26	.29	.25	.22	.28	.25	.22	.28	.24	.22	.21
7	.35	.28	.23	.34	.27	.23	.26	.22	.19	.26	.22	.19	.25	.22	.19	.18
8	.32	.25	.20	.32	.25	.20	.24	.20	.17	.23	.19	.17	.22	.19	.17	.15
9	.30	.22	.18	.29	.22	.18	.21	.17	.14	.21	.17	.14	.20	.17	.14	.13
10	.28	.20	.16	.27	.20	.16	.19	.15	.13	.19	.15	.13	.18	.15	.13	.12

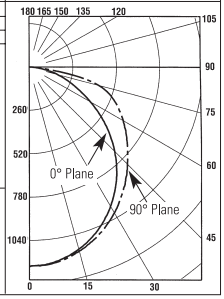
ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0-30	918	14.6	26.6
0-40	1493	23.7	43.3
0-60	2628	41.7	76.2
0-90	3448	54.7	100.0
90-180	0	0.0	0.0
0-180	3448	54.7	100.0

TOTAL LUMINAIRE EFFICIENCY: 54.7%
TOTAL REFLECTANCE OF PAINT: 90.0%
CIE TYPE: DIRECT

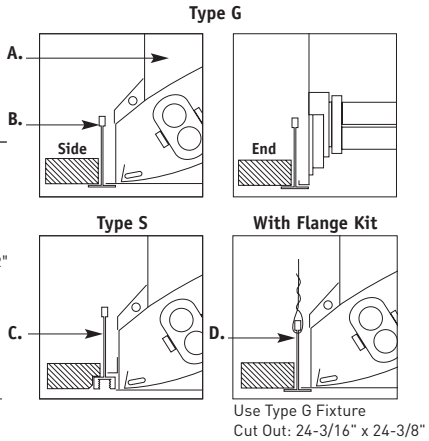
PLANE:	0-DEG	90-DEG
SPACING CRITERIA:	1.2	1.3
LUMINOUS LENGTH:	23.000	23.000

CANDLEPOWER DISTRIBUTION



Other reports available upon request.

CEILING DETAIL:

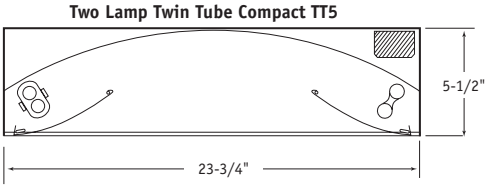


Use Type G Fixture
Cut Out: 24-3/16" x 24-3/8"

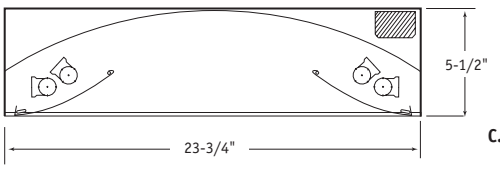
A. Housing
B. Type G Grid
C. Type S Grid
D. Flange Kit

DIMENSIONAL DATA/CROSS SECTIONS:

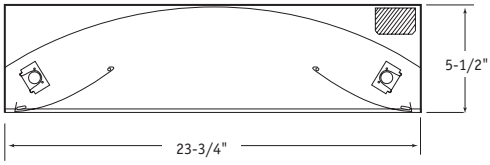
Two Lamp Twin Tube Compact TT5



Four Lamp Linear T5, T8



Two Lamp Linear T5, T8



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