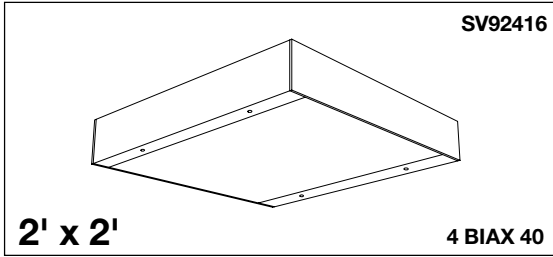
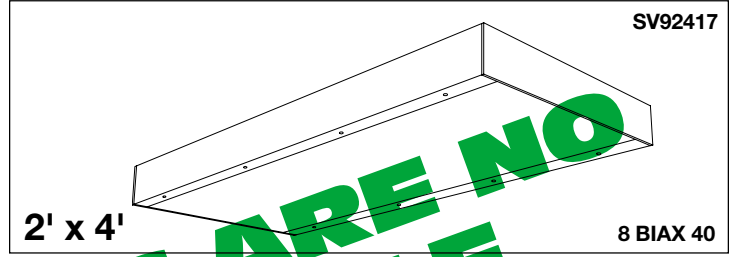


Efficient Downlighting for High Lumen Areas



69% Efficiency



63% Efficiency

Available for 4-32 Watt T-8 (See Option -43)

THESE FIXTURES ARE NO LONGER AVAILABLE FOR REPLACEMENTS

Features

Lamps

- Designed for:
SV92416: 4 horizontal Biax 40 watt.
SV92417: 8 horizontal Biax 40 watt.
- See Option -43 for lower wattage.

Ballast

- Thermally protected, encased and potted standard.
- High power factor standard.
- Single-circuit wiring standard. Optional two-circuit wiring. (See Option -84)
- 120 volt standard or see optional voltages.
- Dimming optional. (See Option -39)
- Electronic optional. (See Option -96)

Fuse

- Available as Option -FS (single) or -FD (double).

Reflector

- Full-size formed specular reflector with minimum 94% reflectivity.
- Removable for servicing.

Lens

- High strength .250" thick acrylic prismatic standard.
- Retained by non-removable tempered aluminum lens clamps with captive nuts and flush-mounted center-pin tamper-proof screws.
- Polycarbonate overlay (1/4" thickness) available. (See Option -13)

Housing

- Super-strong 6063-T6 tempered extruded aluminum.
- White polyester enamel finish.

- Recommended for prisons, detention areas, psychiatric facilities - any area of high vandalism.

- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.

Installation

- Installs indoor or outdoor on all ceilings, covered locations.
- Access hole is 7/8" diameter with 1/2" diameter mounting holes.
- Secure with 3/8" lag or molly bolts to ceiling support structure.
- Tamper-proof tools included, minimum one per ten fixtures.

UL, C-UL (Canada) Listings

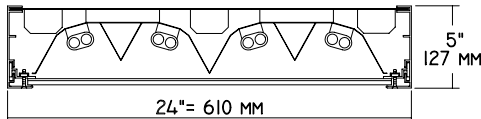
- Wet, damp or dry locations, covered ceilings.

Three Year Limited Warranty

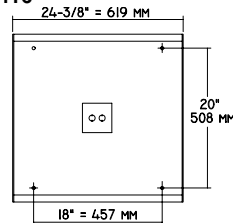
- Complete standard fixture.

Performance at a Glance

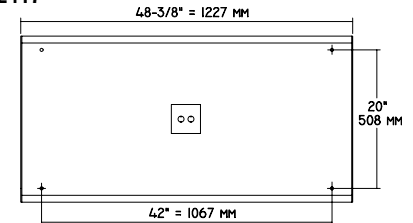
SV92416, SV92417



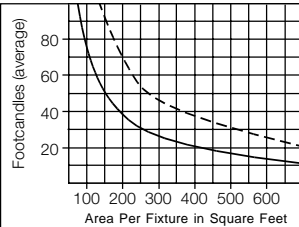
SV92416



SV92417

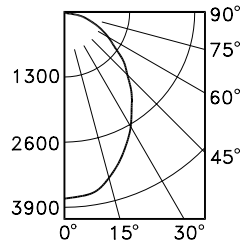


Multiple Fixture FC Calculator **

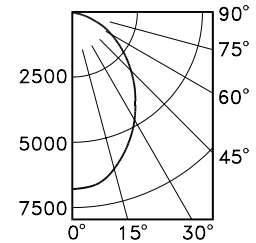


** Based on:
RCR=2;
ceiling 70%;
wall 50%;
floor 20%.
Use S/MH
shown for
each fixture.

SV92416 ——— SV92417 - - - -



Distribution curves and S/MH data shown are 90° to lamp axis.



THE KIRLIN COMPANY

3401 EAST JEFFERSON AVENUE • DETROIT, MICHIGAN 48207-4232
(313) 259-6400 • Fax: (313) 259-9409 OR (313) 259-3121

**CENTURY SERIES
VANDAL RESISTANT
COMPACT FLUORESCENT LIGHTING**

MAXIMUM WATTAGE

**4 Biax 40
8 Biax 40**

CATALOG NUMBERS

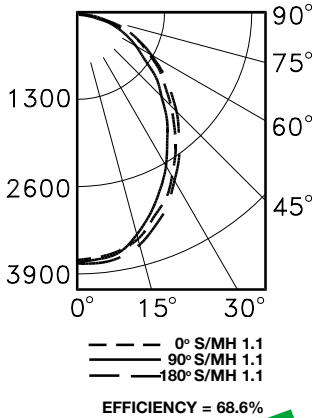
**SV92416
SV92417**

Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO) SV92416: TEST NUMBER 40954
SV92417: TEST NUMBER 40950

SV92416

*LER = 50.1
•AEC = \$4.79



--- 0° S/MH 1.1
— 90° S/MH 1.1
... 180° S/MH 1.1
EFFICIENCY = 68.6%

CANDLEPOWER DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0
0	3806	3806	3806	3806	3806
5	3777	3792	3800	3808	3808
15	3510	3557	3471	3589	3557
25	3072	3087	2931	3150	3150
35	2523	2531	2343	2601	2617
45	1990	1990	1802	2045	2100
55	1473	1442	1262	1489	1567
65	972	917	791	964	1034
75	486	447	376	470	501
85	94	86	71	86	94
90	0	0	0	0	0

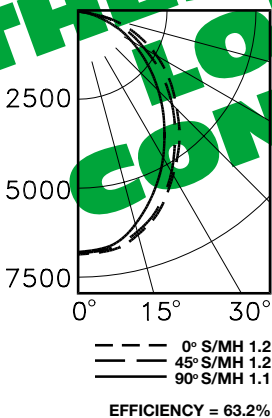
COEFFICIENTS OF UTILIZATION

RF	20						
	80			50			
RC	70	50	30	10	50	30	10
1	75	72	69	67	68	66	64
2	69	63	59	55	60	56	53
3	63	56	51	47	53	49	45
4	58	50	44	40	48	43	39
5	53	45	39	35	43	38	34
6	50	41	35	31	39	34	30
7	46	37	31	27	36	31	27
8	43	34	28	24	33	28	24
9	40	31	25	22	30	25	22
10	38	29	24	20	28	23	20

* LER = Lumen Efficacy Ratio = (lm/W) / (lm/W)_{ref} = (lm/W) / (100 lm/W) = 0.501
 • AEC = Annual Energy Cost per luminaire = (lm/W) × (lumens) × (hours use) / (1000) = \$4.79
 Input Watts = 98 W

SV92417

*LER = 46.1
•AEC = \$5.20



--- 0° S/MH 1.2
— 45° S/MH 1.2
... 90° S/MH 1.1
EFFICIENCY = 63.2%

CANDLEPOWER DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	6877	6877	6877	6877	6877
5	6884	6881	6857	6829	6798
15	6452	6499	6448	6346	6224
25	5737	5808	5678	5466	5297
35	4810	4857	4711	4448	4252
45	3874	3886	3721	3403	3191
55	2931	2939	2715	2421	2248
65	1957	1961	1756	1517	1383
75	982	986	853	735	644
85	173	200	141	145	110
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION

RF	20						
	80			50			
RW	70	50	30	10	50	30	10
1	69	66	64	62	62	60	59
2	63	58	54	51	55	52	49
3	58	52	47	43	49	45	42
4	53	46	41	37	44	39	36
5	49	41	36	32	39	35	31
6	46	37	32	28	36	31	28
7	42	34	29	25	33	28	25
8	39	31	26	22	30	25	22
9	37	29	24	20	28	23	20
10	35	27	22	18	26	21	18

Options

- 13 Clear 1/4" flat polycarbonate below .250" high strength acrylic. For other polycarbonate thickness, consult factory.
- 39 Installed electronic dimming ballast. Biax 40, F17 T-8 or F20 (SV92416). Biax 40, F32 T-8 or F40 (SV92417). Consult factory for quantity and type required. Also see -WD.
- 43 Lower Wattage: Specify 4-17W T-8 or 4 F20 (SV92416); 4-32W T-8 or 4 F40 (SV92417).
- 48 Night light socket and ballast for 7 watt fluorescent lamp.
- 58 277 volt 60 Hz. ballast instead.
- 73 Internal emergency "Ni-Cad" battery pack concealed in housing. Switch and light unobtrusively located inside reflector. For indoor use. Consult factory for use with -96 electronic ballast. Not available for -39.
- 74 Internal 2 lamp emergency "Ni-Cad" battery pack for use with 4-pin electronic lamps only. Use with Option -96. Indoor use.
- 84 Fixture wired for two circuits. See Options -FD. and -RD.
- 94 Custom color housing. Consult factory.
- 96 Regulating electronic high power factor single circuit ballast instead. Biax 40, F17 T-8 or F20 (SV92416); Biax 40, F32 T-8 or F40 (SV92417).
- 97 Other voltage ballast. Consult factory.
- 98 347 volt 60 Hz. ballast instead. Consult factory for dimming.
- 99 Special modification. Consult factory.
- FS Fused primary. One per fixture. Replaceable. Aids servicing.
- FD Double Fused primary. One per circuit. Replaceable. For use with Option -84.
- LP With lamps. 3000°K or consult factory. Specify wattage and color temperature.
- RF Radio interference filter. One per fixture. Eliminates line feedback.
- RD Double radio interference filter. For use with Option -84.
- WD Wall Dimmer for use with Option -39.

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME _____

TYPE _____

WATTAGE _____ VOLTAGE _____

CATALOG NUMBER _____

LIMITED WARRANTY: CATALOGUED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLATION, ETC., IS NOT NORMAL USE. Manufacturer at his option will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective fixture at the office of manufacturer within the years of original shipment. Liability of manufacturer is limited to the foregoing, and manufacturer shall not be liable for any other damages, direct or indirect, sustained or suffered by purchaser or any person. This warranty is supplied for the fixture in place of all other warranties, expressed or implied. Seller does not warrant as to merchantability or fitness for a particular use, nor liability or statement constitute a warranty or amend the specific warranty. Abnormal use, abuse of the fixture, improper installation, or repair, or modification of the fixture without prior written authorization from the manufacturer will void the warranty.

THESE FIXTURES ARE NO LONGER AVAILABLE FOR CONSULTATIONS