

### Surface 9-Cell Parabolic Louver

#### Features

##### Lamp

- Designed for:  
3 horizontal Biax 18 watt.
- 4 pin 2G11 base.
- 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) Consult factory for details.
- 120 volt standard. Optional voltage.
- Electronic optional. (See Option -89)

##### Fuse

- Available. Optional (single) or (double). Consult factory for details.

##### Reflector

- Highly specular, 45° reflectivity full size parabolic reflector.
- Sealed, anodized, snap-on self-rigged parabolic 9-cell louver.

- Louver is full 3" deep for superior shielding angle and low brightness.

##### Housing

- Tempered rigid rustproof aluminum. Exceeds 1000 hour ASTM salt spray test.
- Cool: Dissipates heat across entire surface.
- No. 10 housing has white acrylic enamel finish.
- Standard mounting: Flush mount to ceiling. Perforated optional.
- Interior or exterior for covered use.

- Mounting bene. metal box available. (See Option -80)

##### UL (UL94) Listings

- UL listed for damp or dry locations, covered ceilings. Also see Option -89.

##### Three Year Limited Warranty

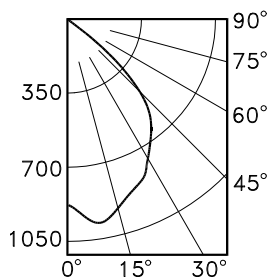
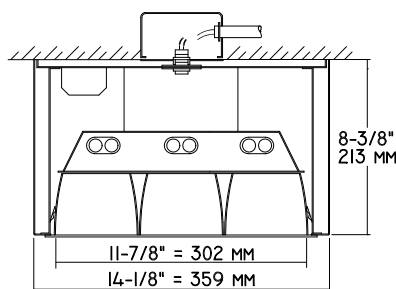
- Complete standard fixture.



**45° Cut-Off  
Low Brightness**

#### Performance at a Glance

SS91474



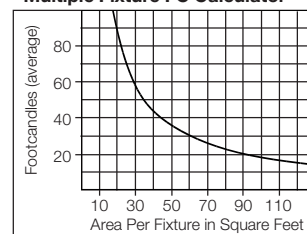
SS91474 S/MH 1.3

##### Cone of Light\*

Ft.	FC	Dia.
6	24.6	11.0
8	13.9	15.0
10	8.9	19.0
12	6.2	23.0
14	4.5	27.0
16	3.5	30.0

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##### Multiple Fixture FC Calculator \*\*



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##### Cone of Light Key

- Ft.** Distance from fixture
- FC** Footcandles (average)
- Dia.** Circle of light at 50% of FC

\*Dia. (in ft.) shown is where FC value is half the FC at nadir.  
\*\*Based on RCR2; ceiling 70%; wall 50%; floor 20%. Use S/MH shown for each fixture.

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

## THE KIRLIN COMPANY

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**CENTURY SERIES  
ARCHITECTURAL  
COMPACT FLUORESCENT LIGHTING**

MAXIMUM WATTAGE

CATALOG NUMBER

**3 Biax 18**

**SS91474**

THE KIRLIN COMPANY RESERVES THE RIGHT TO CHANGE, WITHOUT NOTICE, DETAILS OR SPECIFICATIONS IN PRODUCT DESIGN.

SS91474

SURFACE SQUARE: BIAx 18 WATT COMPACT FLUORESCENT

KIRLIN

## Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO) TEST NUMBER 36645

## CANDLEPOWER DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	887	887	887	887	887
5	904	917	939	945	946
15	882	948	983	961	887
25	809	886	854	854	833
35	700	727	698	701	701
45	495	506	493	471	447
55	189	189	189	123	121
65	5	22	23	23	21
75	0	7	8	8	7
85	2	2	2	2	2
90	0	0	0	0	0

SS91474

\*LER = 24.3  
•AEC = \$9.88



## DEFICIENCIES OF ILLUMINATION

FCI	50	30	10	50	30	10
1	55	53	52	51	50	49
2	52	49	47	45	47	45
3	49	45	42	40	43	41
4	46	42	39	36	40	38
5	43	38	35	33	37	34
6	40	35	32	29	34	31
7	37	32	29	26	31	28
8	35	29	26	24	28	26
9	32	27	23	21	26	23
10	30	25	21	19	24	21

\* LER = Luminaire Efficiency  
LER = Luminaire Effic. x Total Lamp Lum. x Ballast Factor  
Input Watts

• AEC = Annual Energy Cost per  
1000 lumens (based on 3000  
hours use @ \$0.08 KWH).

## Options

- 15 Prismatic tempered, shock-resisting, low brightness flat C#73 spread distribution lens above louver.
- 35 Silver enameled housing finish.
- 36 Gold enameled housing finish.
- 37 Dark Bronze enameled housing finish.
- 38 Black enameled housing finish.
- 43 Lower wattage: Specify 3TT13.
- 45 Gasket between flange and housing.
- 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.
- 80 2" extension collar for mounting beneath

- surface outlet box. Finish matches housing color.
- 84 Fixture wired for two circuits. See Options -FD and -RD.
- 87 Custom -PM length. Specify up to 5 feet or consult factory. Use with option -PM.
- 88 Swivel canopy for sloped ceilings up to 45°. Earthquake rated. Use with Option -PM.
- 89 Weather Cap - required when luminaire is installed without covered ceiling protection.
- 94 Custom color housing / parabolic louver. Specify part(s). Consult factory.
- 96 Regulating electronic high power factor 50°F single circuit ballast instead. See Option -84.
- 97 Other voltage ballast. Consult factory.
- 98 347 volt 60 Hz. ballast instead. Consult factory for dimming.

- 99 Special modification. Consult factory.
- FD Double fused primary. One per ballast. Replaceable. For use with Option -84. Consult factory for triple.
- FS Fused primary. One per fixture. Replaceable. Aids servicing.
- LP With lamps. 3000°K or consult factory for 2700°, 3500° or 4100°K. Specify wattage and color temperature.
- PM Pendant mount instead. 3/8" T.S. x 8" standard. Also see Options -87 and -88.
- RD Double radio interference filter. For use with Option -84. Consult factory for triple.
- RF Radio interference filter. Eliminates line feedback.

## SUBMITTAL DATA

## APPROVAL STAMP

JOB NAME \_\_\_\_\_

TYPE \_\_\_\_\_

WATTAGE \_\_\_\_\_ VOLTAGE \_\_\_\_\_

CATALOG NUMBER \_\_\_\_\_

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLATION, E.C., IN NORMAL USE. Manufacturer at the option will replace or repair such fixture or refund the purchase price or presentation of proof of purchase and defective fixture at the office of manufacturer within three 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 from the manufacturer will void the warranty void.