

Surface Kirlin Lens for Triple Tube Amalgam Lamp

NEW SHALLOW DEPTH

Features

Lamp

- Designed for:
 - 1 horizontal Triple Tube 32 watt: SS91077.
 - 2 horizontal Triple Tube 32 watt: SS91378.
- See Option -43 for lower wattage.
- 4 pin GX24q-3 base.
- 90% lumen output maintained at ballast minimum operating temperature.
- Flicker-free starting, high light output, excellent color rendering (82 CRI).
- High efficiency with low operating costs.

Ballast

- Regulating electronic high power factor, thermally protected, encased. -10°C (13°F) rated. THD is less than 10%.
- Built-in RIF filter.
- Single circuit wiring. Optional two-circuit wiring for SS91378. (See Option -89)
- 120 volt standard or see optional voltages.
- Dimming optional. (See Option -89)

Fuse

- Available as Option -FS (single) or -FD (double - SS91378 only).

Reflector

- GlasSurfaced™ multi-faceted specular aluminum.

Trim Assembly

- Tempered prismatic shock-resisting spread Kirin lens. See Options for additional lens selection.
- Rust-free polished nickel stainless door (304-L) and captive thumb screw. Slender with concealed hinges for fast relamping.
- Attractively beveled cast aluminum frame tooled to ensure close fit with door.

Housing

- Tempered, rigid, rustproof aluminum. Exceeds 1000 hour ASTM 5% salt spray test.
- Cool: Dissipates heat across entire surface area.
- No visible housing hardware.
- White acrylic enameled finish is standard.

Installation

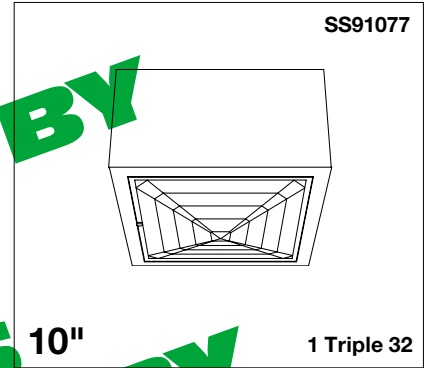
- Center point mounting with snug fit to ceiling. Optional pendant or wall mounts.
- Indoor or outdoor for covered ceiling use.
- Mounting beneath surface outlet box available. (See Option -80)

UL, C-UL (Canada) Listings

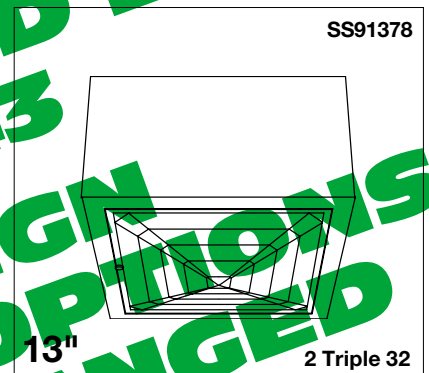
- Wet, damp or dry locations, covered ceilings. Also see Option -89.

Three Year Limited Warranty

- Complete standard fixture



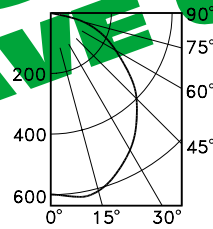
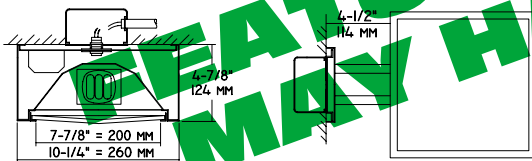
63% Efficiency



64% Efficiency

Performance at a Glance

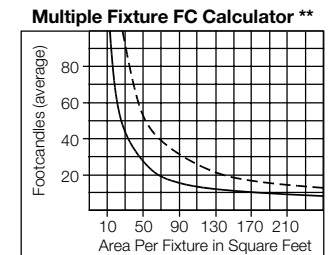
SS91077



SS91077 S/MH 1.2

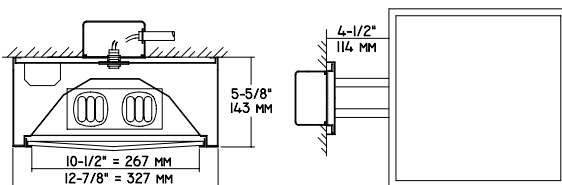
Ft.	FC	Dia.
6	16.6	6.5
8	9.3	8.7
10	6.0	10.8
12	4.1	13.0
14	3.0	15.2
16	2.3	17.4

SS91077

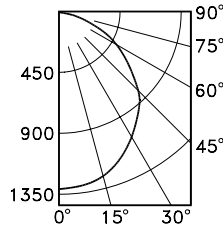


SS91077 — SS91378 - - -

SS91378



Note: Plan Views shown with optional wall bracket (Option -WB)



SS91378 S/MH 1.2

Ft.	FC	Dia.
6	36.0	6.3
8	20.3	8.4
10	13.0	10.5
12	9.0	12.6
14	6.6	14.7
16	5.1	16.8

SS91378

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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(313) 259-6400 • Fax: (313) 259-9409 OR (313) 259-3121

CENTURY SERIES
ARCHITECTURAL
COMPACT FLUORESCENT LIGHTING

MAXIMUM WATTAGE
1 Triple 32
2 Triple 32

CATALOG NUMBERS
SS91077
SS91378

SS91077
SS91378

SURFACE SQUARE: TRIPLE TUBE 32 WATT COMPACT FLUORESCENT

KIRLIN

Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO)

SS91077: TEST NUMBER 42484
SS91378: TEST NUMBER 42486

SS91077-15: TEST NUMBER 42485
SS91378-15: TEST NUMBER 42487

SS91077

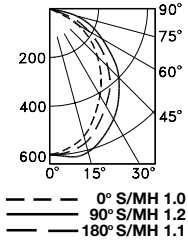
***LER = 38.8**

•AEC = \$6.18

SS91077-15

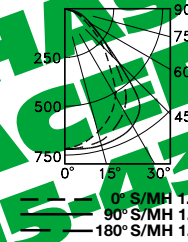
***LER = 40.3**

•AEC = \$5.95



CANDLEPOWER DISTRIBUTION table with columns for beam angles (0.0, 45.0, 90.0, 135.0, 180.0) and rows for beam diameters (0, 5, 15, 25, 35, 45, 55, 65).

COEFFICIENTS OF UTILIZATION table with columns for beam diameters (70, 80, 90, 100, 110, 120) and rows for mounting heights (RF, RC, RW).



CANDLEPOWER DISTRIBUTION table for SS91077-15 with columns for beam angles and rows for beam diameters.

COEFFICIENTS OF UTILIZATION table for SS91077-15 with columns for beam diameters and rows for mounting heights.

EFFICIENCY = 62.8%

EFFICIENCY = 65.2%

Luminaire Efficacy (lm/W) =

LER = Luminaire Efficacy (lm/W) x Ballast Factor
Output Watts

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

SS91378

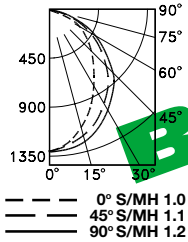
***LER = 39.6**

•AEC = \$6.07

SS91378-15

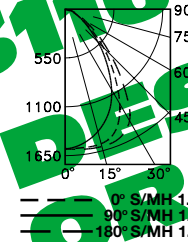
***LER = 37.9**

•AEC = \$6.33



CANDLEPOWER DISTRIBUTION table for SS91378 with columns for beam angles and rows for beam diameters.

COEFFICIENTS OF UTILIZATION table for SS91378 with columns for beam diameters and rows for mounting heights.



CANDLEPOWER DISTRIBUTION table for SS91378-15 with columns for beam angles and rows for beam diameters.

COEFFICIENTS OF UTILIZATION table for SS91378-15 with columns for beam diameters and rows for mounting heights.

EFFICIENCY = 64.0%

EFFICIENCY = 61.3%

Options

- 13 Clear 1/8" flat polycarbonate below, with tempered prismatic flat C#73 lens above.
- 14 Dropped Anopal glass, 1-1/4" deep. Not enameled.
- 15 Tempered prismatic flat C#73 lens instead.
- 17 Prismatic 3/16" high strength acrylic instead.
- 18 Anopal flat glass. Not enameled. Diffusing.
- 20 White 1/2" cube eggcrate cover instead.
- 21 White translucent flat polycarbonate instead.
- 26 Tamper-proof recessed hex, center pin, button door screw with key. One key/ten fixtures.
- 35 Silver enameled housing and frame finish.
- 36 Gold enameled housing and frame finish.
- 37 Dark Bronze enameled housing and frame finish.
- 38 Black enameled housing and frame finish.
- 39 Installed 32 watt electronic dimming ballast. Consult factory for 18 or 26 watt or for quantity and type required. Also see -LE and -WD.
- 43 Lower wattage triple tube: Specify 1-18 or 1-26 watt (SS91077); 2-18 or 2-26 watt (SS91378).
- 45 Gasket between trim and housing.
- 46 Gasket between trim and lens.
- 58 277 volt 60 Hz. ballast instead.
- 73 Internal emergency "Ni-Cad" battery pack concealed in housing. Controls one lamp. Switch and visible light located above lens. Indoor use.
- 74 Two lamp internal emergency "Ni-Cad" battery pack concealed in housing. Switch and visible light located above lens. Indoor use. (SS91378 only)
- 80 2" extension collar for mounting beneath surface outlet box. Finish matches housing color.
- 84 Fixture wired for two circuits (SS91378 only). See Option -FD.
- 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. Also see Option -WB.
- 94 Custom color housing / frame. Consult factory.
- 97 Other voltage ballast. Consult factory.
- 98 347 volt 60 Hz. ballast instead. Consult factory for dimming.
- 99 Special modification. Consult factory.
- CW Cold weather electronic HPF ballast. -18°C to -20°C (0°F to -5°F).
- DG Drop Guard; prismatic C#73 flat glass. (SS91378 only)
- DH Drop Holograph tempered lens instead.
- FD Double Fused primary (SS91378 only). One per ballast. Replaceable. Use with Option -84.
- FS Fused primary. One per fixture. Aids servicing.
- LE With 4-pin electronic Triple Tube amalgam lamp(s). 82 CRI and 10,000 hour life. 3500°K or consult factory for 2700°K, 3000°K, 4100°K. Specify wattage and color temperature.
- PM Pendant mount instead. 3/8" T.S. x 8" standard. Also see Options -87 and -88.
- WB Wall bracket mount instead. Also see -89.
- WD Wall Dimmer for use with Option -39. Consult factory for 18 or 26 watt.

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, MAINTENANCE, AND REPAIR ARE THE RESPONSIBILITY OF THE USER. THE PURCHASER SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE FIXTURES FROM DAMAGE. THE MANUFACTURER SHALL NOT BE LIABLE FOR ANY DAMAGE TO THE FIXTURES CAUSED BY THE USER OR OTHERS. THIS WARRANTY IS VOID IF THE FIXTURES ARE USED IN A MANNER NOT INTENDED BY THE MANUFACTURER. THE MANUFACTURER SHALL NOT BE LIABLE FOR ANY DAMAGE TO THE FIXTURES CAUSED BY THE USER OR OTHERS. THIS WARRANTY IS VOID IF THE FIXTURES ARE USED IN A MANNER NOT INTENDED BY THE MANUFACTURER. THE MANUFACTURER SHALL NOT BE LIABLE FOR ANY DAMAGE TO THE FIXTURES CAUSED BY THE USER OR OTHERS. THIS WARRANTY IS VOID IF THE FIXTURES ARE USED IN A MANNER NOT INTENDED BY THE MANUFACTURER.