

Regressed Lens Triple Tube High Output

Features

Lamp

- Designed for:
 - 1 horizontal Triple Tube 32 watt: RS90972.
 - 2 horizontal Triple Tube 32 watt: RS91273.
- 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 temperature.

Ballast

- Regulating electronic ballast power factor thermally protected, enclosed, 10°C rated. THD is less than 10%.
- Built-in RIF filter.
- Single or optional two-wire ballast.
- Optional two-wire ballast (See Option -273. (See Option -273 for details.)
- Standard or see optional packages.
- Dimming optional. (See Option -39)
- Visible and easily serviced in all ceilings.

Fuse

- Available as Option -FS (single or double - RS91273 only).

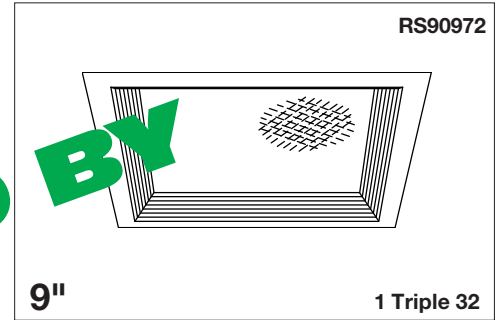
Reflector

- GlasSurfaced™ multi-faceted aluminum.

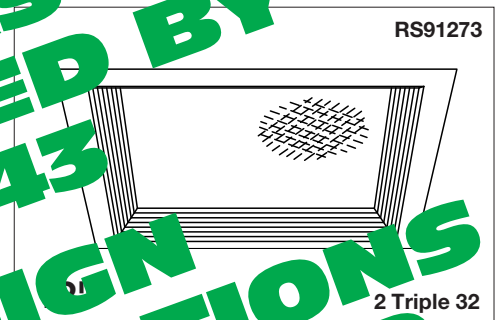
Trim Assembly

- Tapered bezel grille with white flange. Self-adjusted trim.

- Regressed, prismatic tempered low brightness C#73 spread distribution lens.
- Torsion springs retain snug fit to ceiling.
- White grooveless flare trim available (Option -40)
- Acrylic or frosted lens material or polycarbonate grate louver optic available.



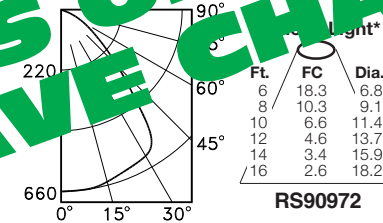
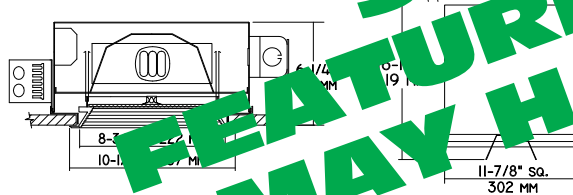
50% Efficiency



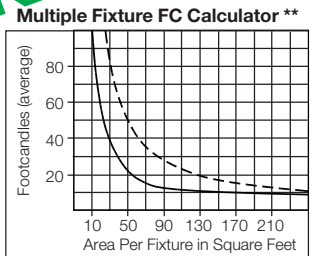
50% Efficiency

Performance at a Glance

RS90972

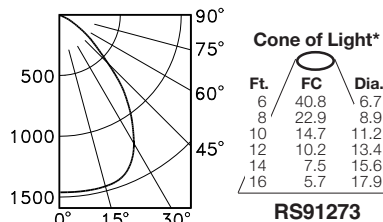
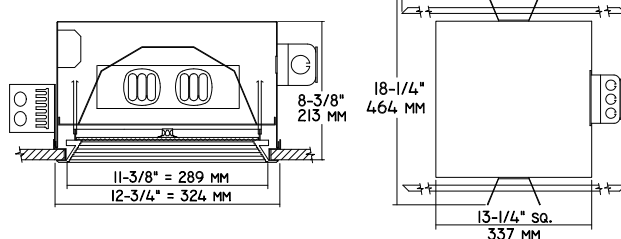


RS90972 S/MH 1.3



RS90972 — RS91273 - - -

RS91273



RS91273 S/MH 1.2

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
1 Triple 32
2 Triple 32

CATALOG NUMBERS
RS90972
RS91273

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

Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO) RS90972: TEST NUMBER 42488
RS91273: TEST NUMBER 42489

RS90972

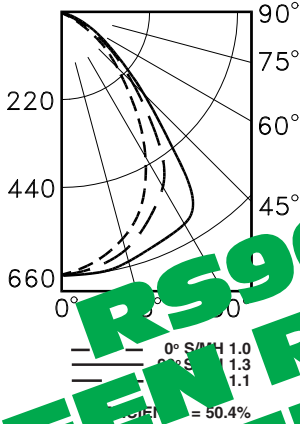
*LER = 31.2
•AEC = \$7.70

CANDLEPOWER DISTRIBUTION

| | 0.0 | 45.0 | 90.0 | 135.0 | 180.0 |
|----|-----|------|------|-------|-------|
| 0 | 658 | 658 | 658 | 658 | 685 |
| 5 | 652 | 654 | 659 | 658 | |
| 15 | 598 | 629 | 646 | 658 | |
| 25 | 489 | 561 | 616 | 658 | 644 |
| 35 | 357 | 430 | 550 | 522 | 490 |
| 45 | 193 | 213 | 301 | 320 | 270 |
| 60 | 84 | 123 | 191 | 191 | 156 |
| 75 | 42 | 62 | 102 | 119 | 99 |
| 90 | 0 | 0 | 0 | 0 | 0 |

COEFFICIENTS OF UTILIZATION

| RF | 20 | | | | | | |
|----|----|----|----|----|----|----|----|
| | 80 | | | 50 | | | |
| RC | 70 | 50 | 30 | 10 | 50 | 30 | 10 |
| RW | 70 | 50 | 30 | 10 | 50 | 30 | 10 |
| 1 | 56 | 44 | 41 | 39 | 51 | 51 | 49 |
| 2 | 53 | 44 | 41 | 39 | 47 | 45 | 43 |
| 3 | 49 | 41 | 41 | 39 | 42 | 40 | 38 |
| 4 | 45 | 40 | 37 | 34 | 39 | 36 | 33 |
| 5 | 42 | 37 | 33 | 30 | 35 | 32 | 30 |
| 6 | 39 | 34 | 30 | 27 | 32 | 29 | 27 |
| 7 | 37 | 31 | 27 | 24 | 30 | 26 | 24 |
| 8 | 34 | 28 | 25 | 22 | 27 | 24 | 22 |
| 9 | 32 | 26 | 23 | 20 | 26 | 22 | 20 |
| 10 | 20 | 24 | 21 | 18 | 24 | 21 | 18 |



*LER = 31.2 Efficiency Rating
•AEC = \$7.70 Annual Energy Cost per 1000 lumens based on 3000 hrs use @ \$0.08 KWH).

RS91273

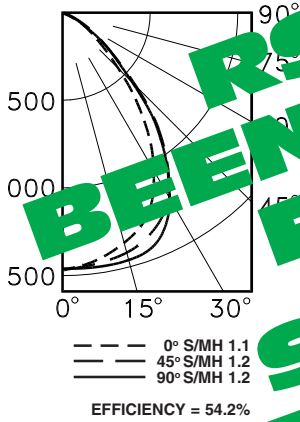
*LER = 25
•AEC = \$7.16

CANDLEPOWER DISTRIBUTION

| | 0.0 | 22.5 | 45.0 | 67.5 | 90.0 |
|----|------|------|------|------|------|
| 0 | 1467 | 1467 | 1467 | 1467 | 1467 |
| 5 | 1467 | 1467 | 1467 | 1467 | 1467 |
| 15 | 1404 | 1404 | 1404 | 1404 | 1404 |
| 25 | 1201 | 1245 | 1291 | 1353 | 1348 |
| 35 | 911 | 936 | 1046 | 1021 | |
| 45 | 428 | 518 | 600 | 610 | 518 |
| 60 | 232 | 243 | 289 | 289 | 232 |
| 75 | 99 | 106 | 136 | 115 | 99 |
| 90 | 42 | 46 | 50 | 46 | 42 |
| 95 | 19 | 20 | 22 | 20 | 19 |
| 98 | 0 | 0 | 0 | 0 | 0 |

COEFFICIENTS OF UTILIZATION

| RF | 20 | | | | | | |
|----|----|----|----|----|----|----|----|
| | 80 | | | 50 | | | |
| RC | 70 | 50 | 30 | 10 | 50 | 30 | 10 |
| RW | 70 | 50 | 30 | 10 | 50 | 30 | 10 |
| 1 | 60 | 59 | 55 | 55 | 55 | 54 | 51 |
| 2 | 56 | 55 | 51 | 48 | 50 | 48 | 45 |
| 3 | 51 | 50 | 44 | 42 | 45 | 43 | 41 |
| 4 | 49 | 43 | 40 | 38 | 40 | 38 | 36 |
| 5 | 45 | 36 | 33 | 30 | 38 | 35 | 33 |
| 6 | 42 | 32 | 29 | 25 | 35 | 32 | 30 |
| 7 | 40 | 29 | 27 | 22 | 32 | 29 | 26 |
| 8 | 37 | 31 | 27 | 22 | 28 | 26 | 24 |
| 9 | 35 | 28 | 24 | 20 | 28 | 24 | 22 |
| 10 | 23 | 23 | 20 | 18 | 26 | 23 | 20 |



*LER = 25 Efficiency Rating
•AEC = \$7.16 Annual Energy Cost per 1000 lumens based on 3000 hrs use @ \$0.08 KWH).

Options

- 13 Clear 1/8" polycarbonate lens below, with tempered C#73 lens.
- 17 Prismatic 1/8" high strength acrylic lens.
- 18 Anoplat flat glass. Note: Not for use in housing.
- 20 White 1/2" cube egg-shaped aluminum louver.
- 21 White translucent flat polycarbonate instead.
- 39 Installed electronic dimming ballast for 32 watt. Consult factory 18 or 26 watt or quantity and type required. Also see Options -LE and -WD.
- 40 White grooveless flare trim with regressed tempered C#73 or specify optional lens.
- 43 Lower wattage triple tube: Specify 1-18 or 1-26 watt (RS90972); 2-18 or 2-26 watt (RS91273).
- 44 Gasket above trim flange (between trim and ceiling).
- 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. For indoor use.
- 74 Two lamp internal emergency "Ni-Cad" battery pack for 18, 26 or 32 watt (RS91273). Switch and visible light located above lens. For indoor use.
- 84 Fixture wired for two circuits (RS91273 only). See Option -FD.
- 94 Custom color trim assembly. 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).
- FD Double Fused primary (RS91273 only). One per ballast. Replaceable. Use with Option -84.
- FR Fresnel tempered regressed lens. Concentric prisms.
- FS Fused. Replaceable. Aids servicing.
- LE With 4-pin electronic Triple Tube amalgam lamp. 82 CRI and 10,000 hour life. 3500°K or consult factory for 2700°K, 3000°K, 4100°K. Specify wattage and color temperature.
- WD Wall Dimmer for use with Option -39. Consult factory for use with 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, ETC., IS NOT NORMAL USE. MANUFACTURER AT HIS OPTION WILL REPAIR OR REPLACE SUCH FIXTURE OR RETURN THE PURCHASE PRICE ON PRESENTATION OF PROOF OF PURCHASE AND DEFECTIVE FIXTURE AT THE OFFICE OF MANUFACTURER WITHIN THE REAR YEARS OF ORIGINAL INPEMENT. 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 ON THE UNDERSTANDING THAT OTHER WARRANTIES, EXPRESS OR IMPLIED, SELLER DOES NOT WARRANT AS A PARTICULAR USE, NOR WILL ANY 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.