

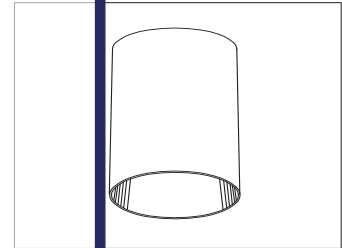
|           |         |         |
|-----------|---------|---------|
| CATALOG # | TYPE    |         |
| JOB NAME  | WATTAGE | VOLTAGE |

12" 3 Triple 57 WATT MAXIMUM

FSR-12051

Dual Reflector Cylinder with Superior Cut-Off and Photometry

# THIS PRODUCT IS NO LONGER AVAILABLE



Surface Round  
Open  
Dual Reflector

### Features

#### Lamp

- Designed for three 4-pin triple/four tube amalgam compact fluorescent lamps (CFL) 57W triple/four tube.

#### Ballast: Multi Voltage

- Installed electronic high power, thermally protected. For lower wattages: Option -43.
- 120-277 multi-volt; 50/60 Hz. THD < 10%
- Single circuit wiring or see Option -44.
- Cold weather -22°F (-30°C).
- End of lamp life protection circuit. RFI filter.
- Internally fused. Also see Option -85.

#### Reflectors

- Upper: Spherical Alzak® aluminum.
- Lower: Low iridescence (L.I.) Alzak aluminum, one piece, self-flanged.
- See Options for alternatives.

#### Aluminum Housing

- Seamless white acrylic enameled. Rustproof: Exceeds 1000-hour ASTM 5% salt spray test.

- Non-viable cylinder body.
- Lightweight: 4.1 lbs. (1.8 kg) (shipping load)
- Quick separation: no tools required.

#### Installation

- Center point mounting for snug fit to ceiling. Hardware included.
- QuickConnect available. (-QM)
- 2" collar for surface J-box. (-80)
- Center point mounting for covered ceiling use. (See Options -84, -85, -86)
- Indoor or outdoor for covered ceiling use. (See Options -87, -88, -89)

#### Listing

- UL Listed for indoor or outdoor use. (See Options -84, -85, -86)
- UL Listed for outdoor use. (See Option -89)

#### Three Year Limited Warranty

- See Options for details.

Please consult **QUOTATIONS** for the best alternative.

#### Selected Optional Trims:

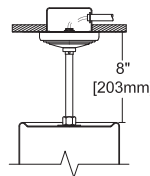
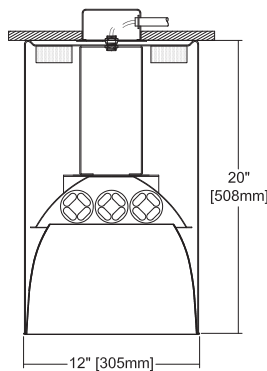
- All White Option -30
- Softex Titanium Option -57
- Softex Dune Option -71
- Softex Pewter Option -77
- Softex Wheat Option -91

#### Selected Optional Mounts:

- Pendant Option -PM
- Wall Bracket Option -WB

### Performance at a Glance

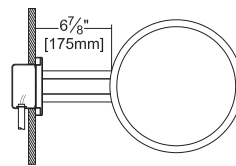
FSR-12051



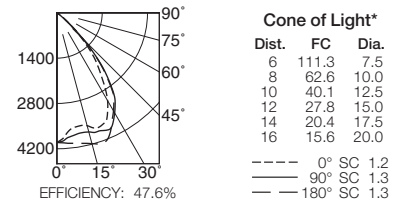
Representative Views:

(Above) With optional pendant mount (Option -PM)

(Below) With optional wall bracket (Option -WB)



FSR-12051 (3 Triple 57W)



#### 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.

## THE KIRLIN COMPANY

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

RENAISSANCE SERIES  
COMPACT FLUORESCENT LIGHTING

MAXIMUM WATTAGE

3 Triple 57

CATALOG NUMBER

FSR-12051

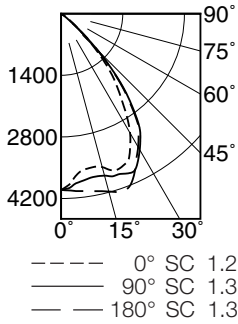
DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

Photometry from I.T.L., Boulder, CO

FSR-12051 (3 Triple 57 - G. E. lamp)



EFFICIENCY : 47.6%

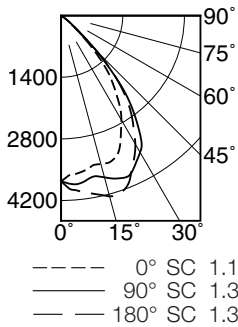
| CANDLEPOWER DISTRIBUTION |      |      |      |       |       |
|--------------------------|------|------|------|-------|-------|
|                          | 0.0  | 45.0 | 90.0 | 135.0 | 180.0 |
| 0                        | 4006 | 4006 | 4006 | 4006  | 4006  |
| 5                        | 3711 | 3833 | 3869 | 4000  | 4046  |
| 15                       | 3609 | 3671 | 3810 | 4033  | 4183  |
| 25                       | 3638 | 3744 | 3938 | 3973  | 3958  |
| 35                       | 2409 | 2732 | 3074 | 3096  | 3029  |
| 45                       | 993  | 987  | 1161 | 1487  | 1168  |
| 55                       | 143  | 98   | 79   | 87    | 105   |
| 65                       | 41   | 33   | 31   | 32    | 38    |
| 75                       | 15   | 12   | 12   | 12    | 15    |
| 85                       | 3    | 1    | 3    | 3     | 3     |
| 90                       | 0    | 0    | 0    | 0     | 0     |

| COEFFICIENTS OF UTILIZATION |    |    |    |    |    |    |    |
|-----------------------------|----|----|----|----|----|----|----|
| RF                          | 20 |    |    |    |    |    |    |
|                             | 80 |    |    | 50 |    |    |    |
| RC                          | 70 | 50 | 30 | 10 | 50 | 30 | 10 |
| 1                           | 54 | 52 | 51 | 50 | 49 | 48 | 47 |
| 2                           | 51 | 48 | 46 | 44 | 46 | 44 | 43 |
| 3                           | 48 | 44 | 41 | 39 | 42 | 40 | 38 |
| 4                           | 45 | 41 | 38 | 35 | 39 | 37 | 35 |
| 5                           | 42 | 37 | 34 | 32 | 36 | 33 | 31 |
| 6                           | 39 | 35 | 31 | 29 | 33 | 31 | 29 |
| 7                           | 37 | 32 | 29 | 26 | 31 | 28 | 26 |
| 8                           | 35 | 30 | 26 | 24 | 29 | 26 | 24 |
| 9                           | 33 | 28 | 24 | 22 | 27 | 24 | 22 |
| 10                          | 31 | 26 | 23 | 21 | 25 | 22 | 20 |

ITL TEST #54945 \*LER=30.7 •AEC=\$7.82

\* LER = Luminaire Efficiency Rating  
 LER = Luminaire Efficacy x Total Lamp Lumens x Ballast Factor  
 Input Watts

FSR-12051 (3 Triple 57 - Philips lamp)



EFFICIENCY : 46.4%

| CANDLEPOWER DISTRIBUTION |      |      |      |       |       |
|--------------------------|------|------|------|-------|-------|
|                          | 0.0  | 45.0 | 90.0 | 135.0 | 180.0 |
| 0                        | 3764 | 3764 | 3764 | 3764  | 3764  |
| 5                        | 3616 | 3694 | 3846 | 3945  | 3984  |
| 15                       | 3490 | 3780 | 3804 | 3871  | 4250  |
| 25                       | 3185 | 3707 | 3863 | 3843  | 3810  |
| 35                       | 2198 | 2686 | 3031 | .019  | 2805  |
| 45                       | 861  | 990  | 1177 | 1368  | 1142  |
| 55                       | 114  | 118  | 97   | 88    | 78    |
| 65                       | 33   | 34   | 33   | 31    | 27    |
| 75                       | 12   | 12   | 12   | 10    | 9     |
| 85                       | 0    | 0    | 0    | 0     | 0     |
| 90                       | 0    | 0    | 0    | 0     | 0     |

| COEFFICIENTS OF UTILIZATION |    |    |    |    |    |    |    |
|-----------------------------|----|----|----|----|----|----|----|
| RF                          | 20 |    |    |    |    |    |    |
|                             | 80 |    |    | 50 |    |    |    |
| RC                          | 70 | 50 | 30 | 10 | 50 | 30 | 10 |
| 1                           | 52 | 51 | 50 | 49 | 48 | 47 | 46 |
| 2                           | 49 | 47 | 45 | 43 | 44 | 43 | 42 |
| 3                           | 46 | 43 | 40 | 38 | 41 | 39 | 37 |
| 4                           | 44 | 40 | 37 | 34 | 38 | 36 | 34 |
| 5                           | 41 | 37 | 33 | 31 | 35 | 33 | 31 |
| 6                           | 38 | 34 | 31 | 28 | 33 | 30 | 28 |
| 7                           | 36 | 31 | 28 | 26 | 30 | 28 | 26 |
| 8                           | 34 | 29 | 26 | 24 | 28 | 26 | 24 |
| 9                           | 32 | 27 | 24 | 22 | 26 | 24 | 22 |
| 10                          | 30 | 25 | 22 | 20 | 25 | 22 | 20 |

ITL TEST #54873 \*LER=32.5 •AEC=\$7.38

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

Options

Ballast, Wattage and Voltage

- 39 Installed electronic dimming ballast(s). Indoor use. 10° C (50° F) minimum start. Advance Mark 10 or Mark 7 only (specify type). Must use with Option -PM or -WB only. Not available with Option -75, -CR or -HR.
- 43 Lower wattage: for 4-pin 3x42/32/26W triple or 3x26W quad (multi-wattage/voltage).
- 84 Wired for two circuits. Also see -FD.
- 97 Specify other voltage. Consult factory.
- 98 347 volt, 50/60 Hz. input. Consult factory.

Emergency Ballast<sup>1</sup>

- Remote (field mounted) ballast, test switch and indicator light. Suitable for damp locations from 0° to 50°C (32° to 122°F) or with Cold Weather version (see -CR) -20° to 55°C (-4° to 131°F).
- 75 Remote 1-lamp EM ballast.
- CR Remote cold weather (-20° to 55°C) 1-lamp EM ballast.

- HR<sup>1</sup> Remote higher lumen (up to 1250) 1-lamp EM ballast. 13-42W only.

Trims

- 30 All white lower cone. (CP x .95)
- 57 SofTex Titanium lower cone. (CP x .80)
- 70 SofTex Clear lower cone. (CP x .89)
- 71 SofTex Dune lower cone. (CP x .85)
- 77 SofTex Pewter lower cone. (CP x .81)
- 90 SofTex Champagne Gold cone. (CP x .88)
- 91 SofTex Wheat lower cone. (CP x .83)
- 94 Custom color/finish. Specify. Consult factory.

Luminaire (Housing) Finishes

- 35 Natural aluminum acrylic enamel.
- 37 Dark Bronze acrylic enamel.
- 38 Black acrylic enamel.
- 94 Custom color/finish. Specify. Consult factory.

Mounting

- 54 Safety cable from fixture through pendant stem and 12" beyond. Use with -PM.
- 80 2" collar for mounting beneath surface outlet box. 1/2" T.S. KO's. Must add -89 for wet label.

- 87 Custom pendant length. Specify length. Use with Option -PM.
  - 88 Swivel canopy for sloped ceilings up to 40°. Use with Option -PM.
  - 89 Sealed top WeatherCap. Must add to Options -80, -PM and -WB for wet label listing. Pendant mount. 8" stem or see Option -87. Must add Option -89 for wet label listing.
  - QM QuickConnect mount for indoor (damp or dry) use only.
  - WB Wall bracket mount. Must add Option -89 for wet label listing.
- Other**
- 99 Special modification. Consult factory.
  - FD Two additional in-line fuses. One per ballast. Use with Option -84. Not available with Option -98 (347V).
  - FS Additional in-line fuse. Not available with Option -98 (347V).
  - LE With 4-pin electronic lamp. 3500°K standard. 82 CRI and 12,000 hour life. Specify wattage, style and color temperature.

<sup>1</sup> Visit [www.kirlinlighting.com](http://www.kirlinlighting.com) for most current performance / specifications.

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. INSTALLLED TO N.E.C. IN NORMAL USE. Manufacturer at the option will inspect or repair such fixture or refund the purchase price on presentation of a 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 to the buyer in place of all other warranties, expressed or implied. Seller does not warrant as to merchantability or fitness for a particular use, nor will any oral statement constitute a warranty or amend this 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 render the warranty void.