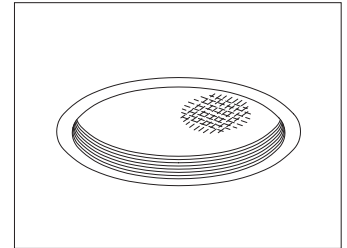


CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

11" 3 Triple 57 WATT MAXIMUM

FRR-11042

## 3 Lamp High Wattage Regressed Lens Downlight



### Features

#### Lamp

- Designed for three 4-pin triple/four tube amalgam compact fluorescent lamps: 57W triple/four tube

#### Ballast: Multi Voltage

- Installed electronic high power factor, thermally protected. For lower wattages: Option -43.
- 120-277 multi-volt; 50/60 Hz THD < 10%
- Single circuit wiring or see Option -8.
- Cold weather -22°F (-30°C)
- End of lamp life protection circuit (RF filter)
- Internally fused. Also see Options -FS, -FD.

#### Reflector

- Specular Alzak® aluminum.

#### Trim Assembly

- Tapered aluminum one piece black OptiColor® with white flange or all white smooth self-ranged trim (Option -40) as shown in section view.
- Regressed tempered prismatic C#73 lens.

#### Aluminum Housing

- Acrylic enameled. Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- Lightweight: Minimizes ceiling load.

- Entire luminaire serviced through aperture.
- Built-in plaster frame.

#### Outlet Box

- Prewired 14 GA (NEC) galvanized steel UL listed 1/2" deep 3" x 3" box.
- 27" galvanized bridge base with adjustable mounting brackets (2) supplied.
- Recesses indoor or outdoor in covered locations.
- Wet/damp or dry locations (code ceiling).
- Through branch conductors (see #2).

#### Three Year Limited Warranty

- Complete standard fixture and ballast

Recessed Round Regressed Lens

#### Selected Optional Trims:

- Coal Diffuser Option -18
- White Grooveless Flare Option -40
- Fresnel Lens Option -FR

**THIS PRODUCT IS NO LONGER AVAILABLE**

### Performance at a Glance

FRR-11042



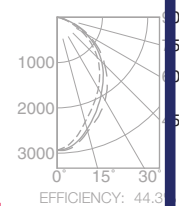
#### Cone of Light Key

- Ft. Distance from fixture
- FC Footcandles at nadir (0°)
- Dia. Circle of light at 50% of FC
- Dia. (in ft.) shown is where FC value is half the FC at nadir.

Ceiling Cut-out  
12 1/4" Dia.

FRR-11042

(3 Triple 57W)



#### Cone of Light\*

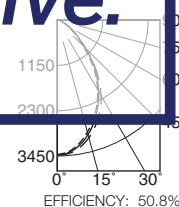
Dist.	FC	Dia.
6	81.6	6.1
8	45.9	8.2
10	29.4	10.2
12	20.4	12.3
14	15.0	14.3
16	11.5	16.4

--- 0° SC 0.9  
--- 90° SC 1.0  
--- 180° SC 1.1

EFFICIENCY: 44.3

FRR-11042

(3 Triple 42W)



#### Cone of Light\*

Dist.	FC	Dia.
6	94.9	5.9
8	53.4	7.8
10	34.2	9.8
12	23.7	11.8
14	17.4	13.7
16	13.4	15.7

--- 0° SC 1.0  
--- 90° SC 1.0  
--- 180° SC 1.0

EFFICIENCY: 50.8%

## 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

FRR-11042

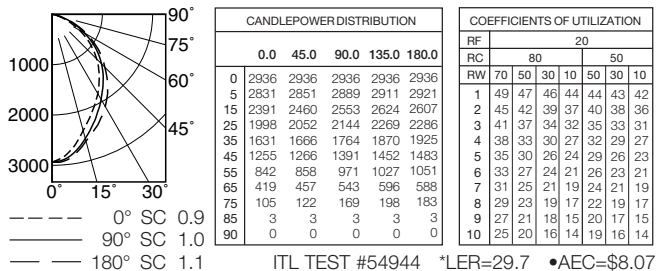
DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

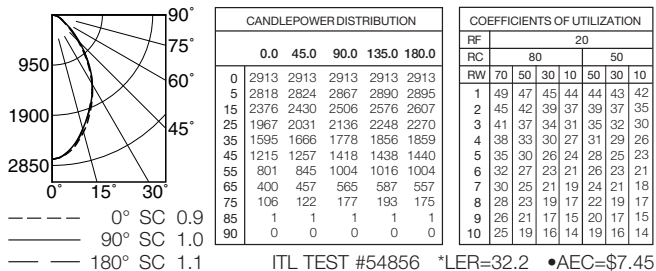
Photometry from I.T.L., Boulder, CO

**FRR-11042 (3 Triple 57 - G.E. lamp)**



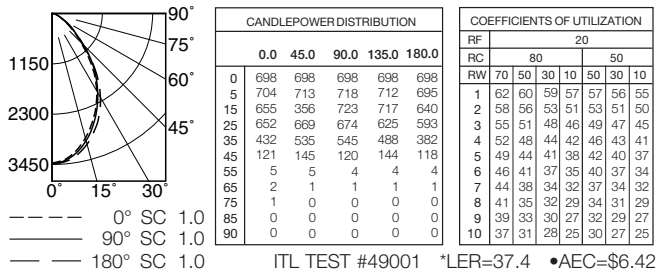
EFFICIENCY : 44.3%

**FRR-11042 (3 Triple 57 - Philips lamp)**



EFFICIENCY : 43.9%

**FRR-11042-43 (3 Triple 42)**



EFFICIENCY : 50.8%

\* LER = Luminaire Efficiency Rating

$$LER = \frac{\text{Luminaire Effic.} \times \text{Total Lamp Lumens} \times \text{Ballast Factor}}{\text{Input Watts}}$$

• 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. Indoor use. 10°C (50°F) minimum start. Specify wattage, voltage and brand.
- 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 - Specify Voltage<sup>1</sup>**

Internal (factory installed) 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 -CE) -20° to 55°C (-4° to 131°F).

- 73 Internal 1-lamp EM ballast. Specify voltage.
- CE Internal cold weather (-20° to 55°C) 1-lamp EM ballast. Specify voltage.
- HE<sup>1</sup> Internal higher lumen (up to 1250) 1-lamp EM ballast. 13-42W only. Specify voltage.

**Lenses and Trims**

- 13 Vandal resistant tempered prismatic C#73 spread lens above 1/8" polycarbonate.
- 18 Opal flat glass diffuser.
- 20 White aluminum egg-crate louver (1/2" cubes).
- 32 White oversize trim ring. Specify O.D.
- 40 White grooveless flare trim. (CP x 1.10)
- 45 Gasket between ceiling and trim flange.
- 46 Gasket between trim and lens.
- 79 Extension collar for ceilings up to 2" thick.
- 94 Custom color/finish. Specify. Consult factory.

- CF High temperature color filter. Specify color.
- FR Fresnel tempered glass lens.
- FT Flat white trim

**Top Access**

- TA Top access for servicing from above.

**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 replace or repair such fixture or refund the purchase price or presentation of proof of purchase and date of purchase and date of installation. 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.