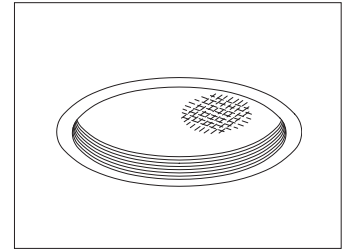


CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

11" 2 Triple 57 WATT MAXIMUM

FRR-11040

2-Lamp High Wattage with Regressed Lens



Features

Lamp

- Designed for two 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%.
- ClickQuick connectors for easy service.
- Single circuit wiring or see Opticor.
- Cold weather -22°F (-30°C).
- End of lamp life protection circuit (RFI filter).
- Internally fused. Also see Options -FS, -FD.

Reflector

- Specular Alzak® aluminum.

Trim Assembly

- Tapered aluminum one piece Opticor® with white flange or all white smooth self-flanged 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.
- Cool operation: Extends component life.
- Entire luminaire serviced through aperture.
- Built-in plaster frame.

Outlet Box

- 27" galvanized angle bars with adjustable mounting brackets (2) supplied.
- Recesses indoor or outdoor in covered locations.
- Wet Location (CUL) listing.
- Through-branch conductors (6 #12).

Three Year Limited Warranty

- Complete standard unit and ballast.

Recessed Round Regressed Lens

Selected Optional Trims:

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

THIS PRODUCT IS NO LONGER AVAILABLE

Performance at a Glance

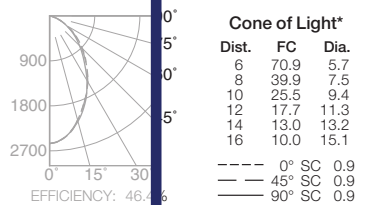
FRR-11040



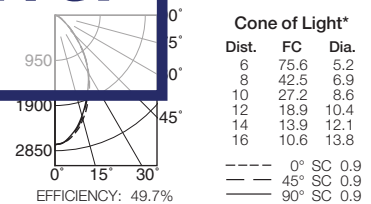
Cone of Light Key

- 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.

FRR-11040 (2 Triple 57W)



FRR-11040-43 (2 Triple 42W)



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

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

2 Triple 57

CATALOG NUMBER

FRR-11040

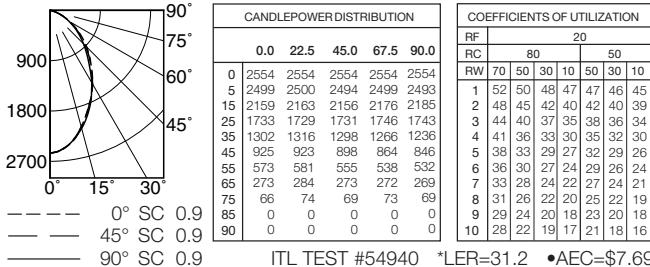
DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

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

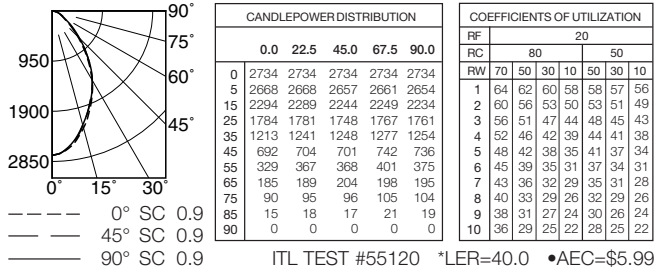
FRR-11040 (2 Triple 57)



EFFICIENCY : 46.4%

ITL TEST #54940 *LER=31.2 •AEC=\$7.69

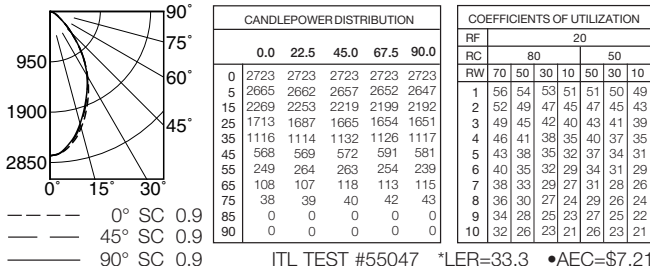
FRR-11040-43-40 (2 Triple 42 - White Flare)



EFFICIENCY : 57.7%

ITL TEST #55120 *LER=40.0 •AEC=\$5.99

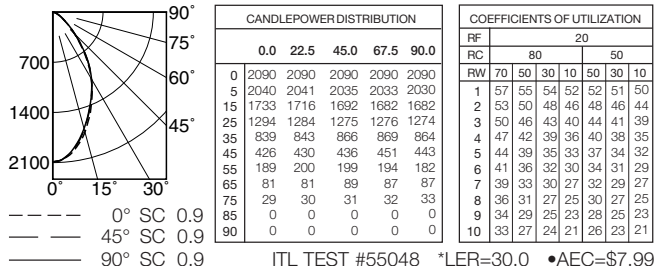
FRR-11040-43 (2 Triple 42)



EFFICIENCY : 49.7%

ITL TEST #55047 *LER=33.3 •AEC=\$7.21

FRR-11040-43 (2 Triple 32)



EFFICIENCY : 50.6%

ITL TEST #55048 *LER=30.0 •AEC=\$7.99

* LER = Luminaire Efficiency Rating

LER = Luminaire Effic. x Total Lamp Lumens x Ballast Factor / 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 2x42/32/26W triple or 2x26W quad (multi-wattage/voltage). Specify wattage.
- 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 Voltage¹

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.
- HEI 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.
- 17 .187" prismatic high strength acrylic lens.
- 18 Opal flat glass diffuser.
- 20 White aluminum 1/2" cube egg-crate louver.
- 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.
- UV UV filter. Consult factory.

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.

¹ Visit www.kirlinlighting.com for most current performance / specifications.

SUBMITTAL DATA

JOB NAME

TYPE

WATTAGE

VOLTAGE

CATALOG NUMBER

APPROVAL STAMP

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLED TO N.E.C. IN NORMAL USE. Manufacturer at the option will repair or replace 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 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.