

## Low Brightness High Wattage Dual Reflector Downlights

### Features

#### Lamp

- Designed for 4-pin triple/four tube amalgam compact fluorescent lamps: RR81191: two 70W triple/four tube. RR81197: three 57W triple/four tube.

#### Ballast: Multi-Voltage

- Electronic high power factor, thermally protected. For lower wattages: Option -43.
- 120-277 multi-volt; 50/60 Hz.
- ClickQuick connectors for easy service.
- Single circuit wiring or see Option -84.
- Cold weather -22°F (-30°C).
- End of lamp life protection circuit, RFI filter, THD less than 10%.
- Internally fused. Also see Options -FS and -FD.

#### Reflector

- Upper: Specular Alzak® aluminum.
- Lower: Low iridescence (L.I.) specular Alzak aluminum, one piece, self-flanged.
- See Options for other finishes.

#### Aluminum Housing

- Acrylic enameled. Rustproof. Exceeds 1000 hour ASTM 5% salt spray test.
- Lightweight: Minimizes ceiling load.
- Cool operation: Extends component life.
- All components visible and entire luminaire easily serviced through aperture.

#### Outlet Box

- For top access, see Option -TA.
- Built-in plaster frame.
- Prewired 14 GA (NEC) galvanized steel, UL listed, 1/2" and 3/4" knockouts.

#### Installation

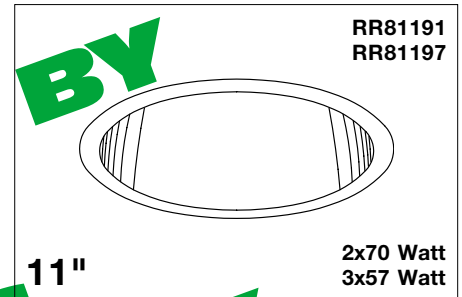
- 27" galvanized hanger bars with adjustable mounting brackets (2) supplied.
- Recesses indoor or outdoor in covered locations.

#### UL, C-UL (Canada) Listings

- Wet, damp or dry locations, covered ceilings.
- Through-branch conductors (6 #12).

#### Three Year Limited Warranty

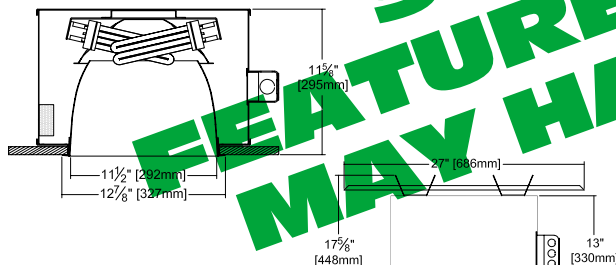
- Complete standard fixture and ballast.



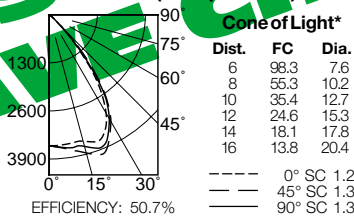
Excellent Cut-off  
For High Ceilings

### Performance at a Glance

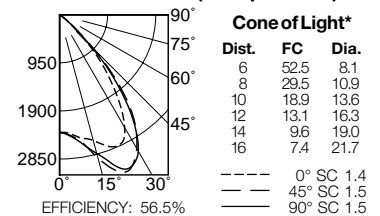
RR81191



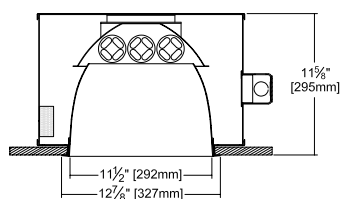
RR81191 (2 Triple 70W)



RR81191-43 (2 Triple 57W)



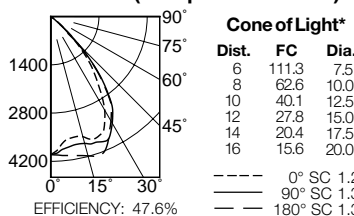
RR81197



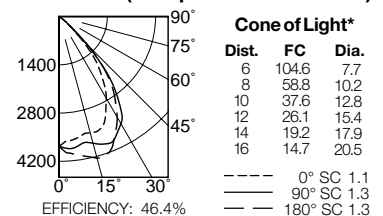
**Cone of Light Key**  
Dist. Distance from fixture  
FC Footcandles (average)  
Dia. Circle of light at 50% of FC

\* Dia. (in ft.) shown is where FC value is half the FC at nadir.

RR81197 (3 Triple 57W - G.E.)



RR81197 (3 Triple 57W - PHILIPS)



## THE KIRLIN COMPANY

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SECOND CENTURY SERIES  
TRIPLE TUBE  
COMPACT FLUORESCENT LIGHTING

MAXIMUM WATTAGE

2 x 70  
3 x 57

RR81191  
RR81197

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

Alzak® is a registered trademark of ALCOA.

RR81191

RR81197 RECESSED ROUND: TRIPLE TUBE 70 and 57W (MAX.) COMPACT FLUORESCENT

KIRLIN

Detailed Photometry - Installed Fixture

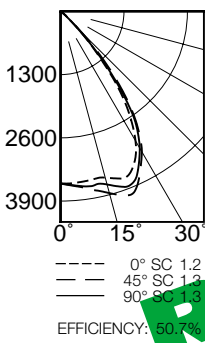
FROM I.T.L. (BOULDER, CO) RR81191: 54872 (70W) / 55300 (57W) RR81197: 54945 (GE) / 54873 (PHILIPS)

RR81191 2x70W

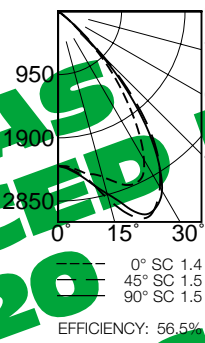
\*LER = 31.9 •AEC = 7.53

RR81191-43 2x42W

\*LER = 34.4 •AEC = 6.98



CANDLEPOWER DISTRIBUTION table for RR81191 2x70W with columns for beam angles (0.0, 22.5, 45.0, 67.5, 90.0) and rows for distances (0, 5, 15, 25, 35, 45, 55, 65, 75, 85, 90).



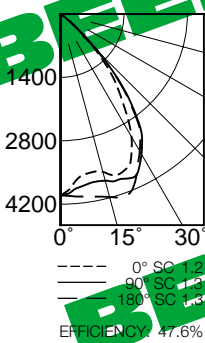
CANDLEPOWER DISTRIBUTION table for RR81191-43 2x42W with columns for beam angles (0.0, 22.5, 45.0, 67.5, 90.0) and rows for distances (0, 5, 15, 25, 35, 45, 55, 65, 75, 85, 90).

RR81197 3x57W (GE)

\*LER = 30.7 •AEC = 7.82

RR81197 3x57W (Ph)

\*LER = 32.5 •AEC = 7.38



CANDLEPOWER DISTRIBUTION table for RR81197 3x57W (GE) with columns for beam angles (0.0, 45.0, 90.0, 135.0, 180.0) and rows for distances (0, 5, 15, 25, 35, 45, 55, 65, 75, 85, 90).



CANDLEPOWER DISTRIBUTION table for RR81197 3x57W (Ph) with columns for beam angles (0.0, 45.0, 90.0, 135.0, 180.0) and rows for distances (0, 5, 15, 25, 35, 45, 55, 65, 75, 85, 90).

\* LER (Luminaire Efficacy Rating) = Luminaire Effic. x Total Lamp Lumens x Ballast Factor / Input Watts

• AEC = Annual Energy Cost per 1000 lumens (based on 3000 hours use @ \$.08 KWH).

C.U. (Coefficients of Utilization) Tables are available on request. Please contact your Kirlin representative.

Options

Wattage and Voltage

- 39 Installed electronic dimming ballast. Indoor use only. 10°C (50°F) minimum start. Please specify wattage and voltage; consult factory to request brand.
-43 Lower wattage: RR81191: for 4-pin 2x57 triple/four tube or 2x42/32/26W triple or 2x26W quad (multi-wattage/voltage); RR81197: for 4-pin 3x42/32/26W triple or 3x26W quad (multi-wattage). Specify wattage and voltage.
-58 277 volt, 60 Hz. ballast for RR81197-43.
-73 Internal emergency 1 lamp battery pack. Test switch and indicator light in reflector. Damp location. Ambient temp. limits: 0° to 50°C (32° to 122°F). Specify voltage. Also see -CE.

- 74 Internal emergency 2x32W max. battery pack. Test switch and indicator light in reflector. Damp location. Ambient temp. limits: 0° to 50°C (32° to 122°F). Specify voltage.
-84 Wired for two circuits. Also see -FD.
-97 Specify other voltage. Consult factory.
-98 347 volt, 50/60 Hz. input. Consult factory.
-CE Cold weather internal 1 lamp emergency battery pack. Test switch and indicator light in reflector. Damp location. Ambient temp. limits: -20° to 55°C (-4° to 131°F). Specify voltage.

Trims

- 30 All white lower cone. (CP x .95)
-31 White acrylic enameled lower cone flange.
-32 White oversize trim ring. Specify O.D.
-45 Gasket between ceiling and reflector flange.
-57 SofTex Titanium lower cone. (CP x .80)
-70 SofTex Clear lower cone. (CP x .92)

- 71 SofTex Dune lower cone. (CP x .88)
-77 SofTex Pewter lower cone. (CP x .85)
-79 Extension collar for ceilings up to 2" thick.
-90 SofTex Champagne Gold lower cone. (CP x .91)
-91 SofTex Wheat lower cone. (CP x .87)
-94 Custom color/finish. Specify. Consult factory.

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.
-FS Additional in-line fuse.
-LE With 4-pin electronic lamp. 3500°K standard. 82 CRI and 12,000 hour life. Specify wattage, style and color temperature.

SUBMITTAL DATA

APPROVAL STAMP

Form fields for 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 IS THE RESPONSIBILITY OF THE USER. KIRLIN IS NOT RESPONSIBLE FOR DAMAGE TO PROPERTY OR PERSONS CAUSED BY IMPROPER INSTALLATION OR USE OF THIS PRODUCT. KIRLIN SHALL NOT BE LIABLE FOR ANY OTHER DAMAGES, DIRECT OR INDIRECT, ARISING FROM THE USE OF THIS PRODUCT. KIRLIN SHALL NOT BE LIABLE FOR ANY OTHER DAMAGES, DIRECT OR INDIRECT, ARISING FROM THE USE OF THIS PRODUCT. KIRLIN SHALL NOT BE LIABLE FOR ANY OTHER DAMAGES, DIRECT OR INDIRECT, ARISING FROM THE USE OF THIS PRODUCT.