

## High Wattage Regressed Lens Downlights

### Features

#### Lamp

- Designed for 4-pin triple/four tube amalgam compact fluorescent lamps:
- RR81298: two 70W triple/four tube.
- RR81299: 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.
- QuickConnect 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

- Specular Alzak® aluminum.

#### Trim Assembly

- Tapered aluminum one piece black OptiGroove with white flange.
- 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

- Prewired 14 GA (NEC) galvanized steel, UL listed. 1/2" and 3/4" knockouts.

#### Installation

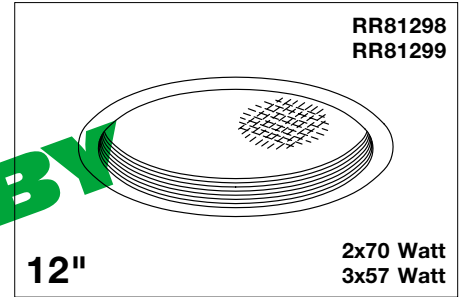
- 27" galvanized hanger bars with adjustable mounting brackets (2) supplied.
- Recesses indoor or outdoor in covered locations.

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

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

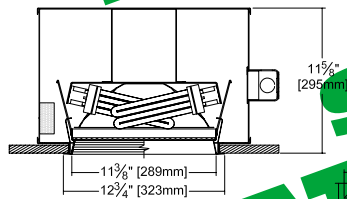
#### Three Year Limited Warranty

- Complete standard fixture and ballast

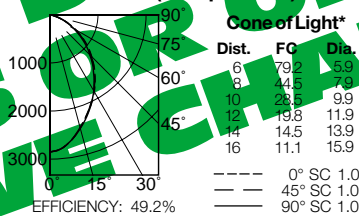


### Performance at a Glance

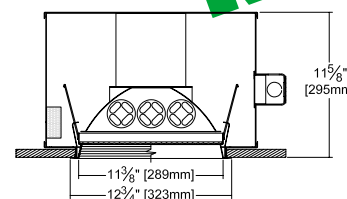
RR81298



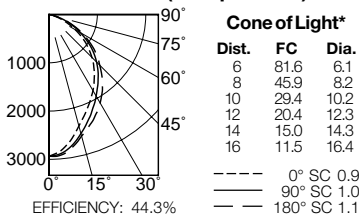
RR81298 (2 Triple 70W)



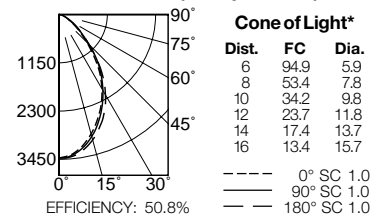
RR81299



RR81299 (3 Triple 57W)



RR81299 (3 Triple 42W)



#### 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.

## THE KIRLIN COMPANY

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SECOND CENTURY SERIES  
TRIPLE TUBE  
COMPACT FLUORESCENT LIGHTING

MAXIMUM WATTAGE

2 x 70  
3 x 57

CATALOG NUMBERS

RR81298  
RR81299

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

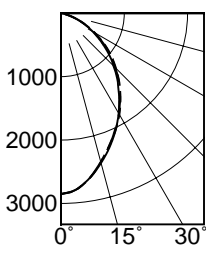
Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO) RR81298: 54855 (70W)  
RR81299: 54944 (57W) / 49001 (42W)

RR81298 2 x 70W

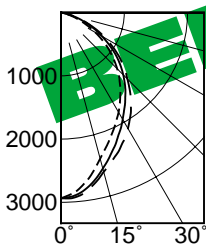
\*LER = 32.4 •AEC = 7.41



	CANDLEPOWER DISTRIBUTION				
	0.0	22.5	45.0	67.5	90.0
0	2851	2851	2851	2851	2851
5	2793	2793	2790	2792	2789
15	2429	2432	2427	2443	2445
25	2039	2030	2022	2042	2039
35	1637	1633	1633	1618	1600
45	1229	1232	1212	1197	1171
55	825	834	806	783	769
65	424	438	427	412	405
75	118	126	117	120	112
85	0	0	0	0	0
90	0	0	0	0	0

RR81299 3 x 57W

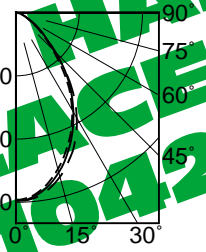
\*LER = 29.7 •AEC = 8.07



	CANDLEPOWER DISTRIBUTION				
	0.0	45.0	90.0	135.0	180.0
0	2936	2936	2936	2936	2936
5	2831	2851	2889	2911	2921
15	2391	2460	2553	2624	2607
25	1998	2052	2144	2269	2286
35	1637	1666	1784	1870	1925
45	1255	1266	1391	1452	1483
55	842	858	971	1027	1051
65	419	457	543	596	588
75	105	122	169	195	183
85	3	3	3	3	3
90	0	0	0	0	0

RR81299-43 3 x 42W

\*LER = 37.4 •AEC = 6.42



	CANDLEPOWER DISTRIBUTION				
	0.0	45.0	90.0	135.0	180.0
0	3418	3418	3418	3418	3418
5	3349	3357	3372	3389	3398
15	2945	2965	3006	3059	3091
25	2373	2359	2421	2476	2553
35	1687	1692	1745	1763	1828
45	935	978	1017	997	1000
55	458	440	523	444	487
65	209	220	225	220	204
75	79	85	90	84	76
85	2	2	2	2	2
90	0	0	0	0	0

\* 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 @ \$0.08 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. RR81299: for 4-pin 3x42/32/26W triple or 3x26W quad (multi-wattage). Specify wattage and voltage.
- 58 277 volt, 60 Hz. ballast for RR81299-43.
- 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.
- 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.
- 98 847 volt, 50/60 Hz. input. Consult factory.
- CE Cold weather 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.

Lenses and Trims

- 13 Vandal resistant tempered prismatic C#73 glass lens above 1/8" polycarbonate.
- 18 Opal flat glass diffuser.
- 20 White aluminum egg-crate louver (1/2" cubes).
- 21 White flat polycarbonate diffuser.
- 32 White oversize trim ring. Specify O.D.
- 40 White grooveless flare trim.
- 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. Consult factory.
- CF High temperature color filter. Specify color.
- FR Fresnel tempered glass lens.
- UV UV filter.

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

JOB NAME \_\_\_\_\_

TYPE \_\_\_\_\_

WATTAGE \_\_\_\_\_ VOLTAGE \_\_\_\_\_

CATALOG NUMBER \_\_\_\_\_