

Adjustable Highlighting: Church, Retail, Atrium, School

Features

Lamp Assembly

- Designed for:
 - 500 watt (maximum) PAR 56 tungsten halogen lamp; dimmable (by others).
- Rated 4000 hour life; 100 CRI.
- Tilts 90° for relamping.
- Safety tempered clear flat glass provided.
- Optional safety tempered prismatic C#78 flat glass converts oval beam pattern to round. See Option -15 (for use with medium flood lamp).

Socket Assembly

- Rotates, tilts and locks: 360° x 30°
- Porcelain mogul end-prong socket

Reflector

- Self-flanged parabolic specular Alzak®
- Eleven optional self-flanged colors and finishes available. See Options.

Housing

- Acrylic enameled 100% aluminum.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- Cool: Dissipates heat across entire surface area.

- Entire luminaire visible and serviceable from below through removable reflector. For top access, see Option -TA.
- Built-in plaster frame.

Outlet Box

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

Installation

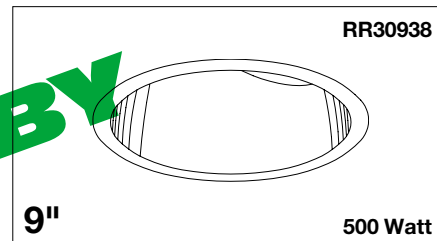
- 27" galvanized hanger bars supplied (2).
- Fully adjustable universal galvanized mounting brackets supplied (2). Accepts 3/4" or 1-1/4" lathers channel or 1/2" T.S. conduit.
- Recesses indoor or outdoor in covered ceilings.

UL, C-UL (Canada) Listings

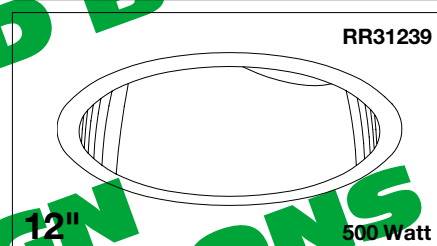
- Wet, damp or dry locations, covered ceilings.
- Through-branch circuit conductors (6 #12 AWG - 105°C).

Three Year Limited Warranty

- Complete standard fixture.
- Thermal Protection (Per Current NEC)
- Thermal protector included which provides automatic cut-off if rated temperature is exceeded. (Insulation related)

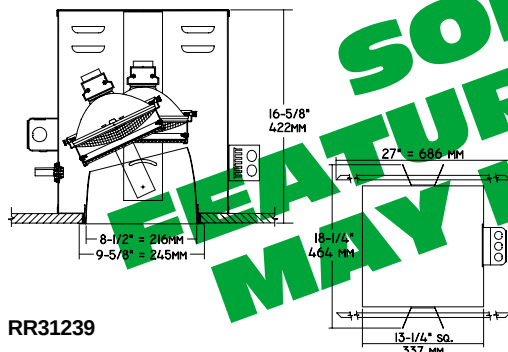


Ideal for High Ceiling Areas
Dimmable PAR 56 Sources
Safety Glass Included
11 Optional Reflector Finishes

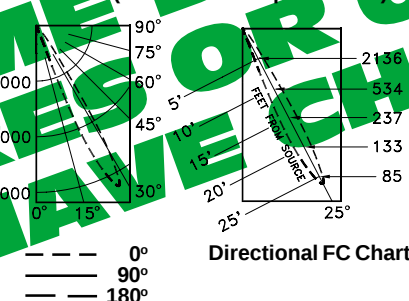


Performance at a Glance

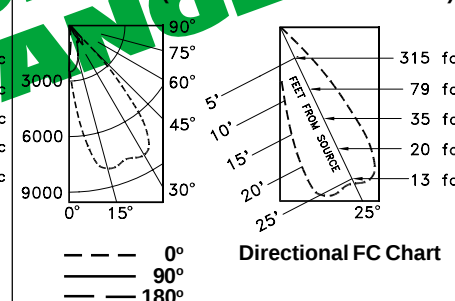
RR30938



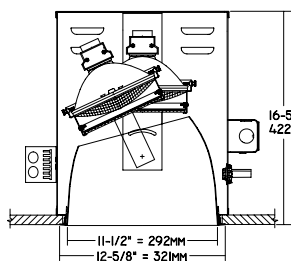
RR30938 (500W Narrow Spot Shown)



RR30938-15 (500W Medium Flood Shown)

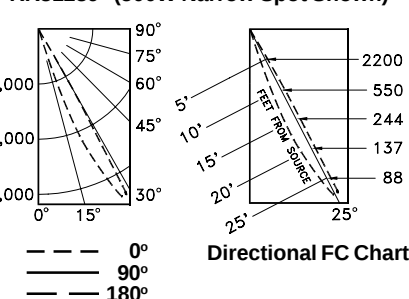


RR31239

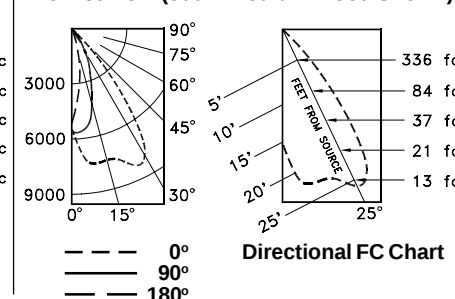


"MARKED SPACINGS CAUTION"
INSTALL WITH MINIMUM SPACINGS AS FOLLOWS: 2 FEET BETWEEN CENTERS OF ADJACENT FIXTURES; 1/2" BETWEEN FIXTURE TOP AND OVERHEAD BUILDING MEMBER; 1 FOOT BETWEEN FIXTURE CENTER AND SIDE WALL.

RR31239 (500W Narrow Spot Shown)



RR31239-15 (500W Medium Flood Shown)



THE KIRLIN COMPANY

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

NEW MILLENNIUM

TUNGSTEN HALOGEN and INCANDESCENT LIGHTING

LAMP

PAR 56
PAR 56

MAXIMUM WATTAGE

500
500

CATALOG NUMBERS

RR30938
RR31239

RR30938
RR31239

RECESSED ROUND: 500 WATT (MAX.) PAR 56 TUNGSTEN HALOGEN ADJUSTABLES

KIRLIN

Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO)

RR30938 (500W NSP): TEST # 43325

RR31239 (500W NSP): TEST # 43326

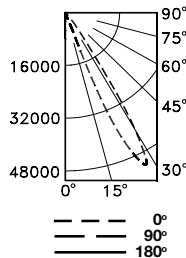
RR30938-15 (500W MFL): TEST # 43323

RR31239-15 (500W MFL): TEST # 43324

RR30938

500W NSP

Efficiency = 71.2%



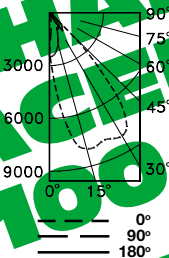
CANDLEPOWER DISTRIBUTION					
	0.0	30.0	60.0	90.0	180.0
0	1160	1160	1160	1160	1160
5	1228	1374	1239	1145	874
15	2061	1759	1051	802	21
25	4502	10212	958	156	46
35	5892	8182	52	677	502
45	83	52	21	52	62
55	21	21	10	21	19
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION					
RF	RC	80	50	30	10
1	60	78	76	75	72
2	76	72	69	66	66
3	71	66	62	59	60
4	61	61	57	53	55
5	63	56	52	48	50
6	59	52	47	44	46
7	53	48	43	40	42
8	49	44	39	36	38
9	45	41	36	33	35
10	46	38	33	30	33

RR30938-15

500W MFL

Efficiency = 58.7%



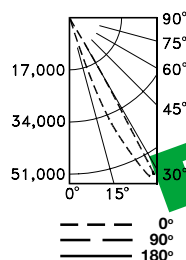
CANDLEPOWER DISTRIBUTION					
	0.0	30.0	60.0	90.0	180.0
0	2515	2515	2515	2515	2515
5	4631	4384	3538	2508	1007
15	7971	6814	4352	1832	172
25	7876	5766	3072	990	142
35	7310	3963	1181	810	1260
45	1873	1146	352	354	523
55	108	114	71	72	73
65	4	8	11	15	22
75	1	0	1	2	0
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION					
RF	RC	80	50	30	10
1	66	65	63	62	61
2	63	59	57	55	56
3	59	55	51	49	52
4	55	50	47	44	48
5	52	47	43	40	45
6	49	43	39	36	42
7	46	40	36	33	39
8	44	37	33	30	36
9	41	35	31	28	34
10	39	32	29	26	32

RR31239

500W NSP

Efficiency = 75.9%



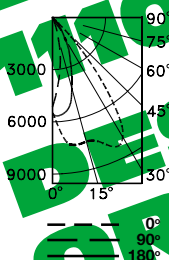
CANDLEPOWER DISTRIBUTION					
	0.0	30.0	60.0	90.0	180.0
0	920	920	920	920	920
5	1041	1020	968	916	812
15	4478	1983	1072	233	770
25	5500	1831	1111	802	83
35	2290	3731	2186	1530	708
45	104	62	42	42	62
55	21	19	19	19	19
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION					
RF	RC	80	50	30	10
1	86	84	82	80	79
2	81	77	74	71	73
3	77	72	68	64	65
4	72	66	62	58	64
5	68	61	57	53	59
6	64	57	52	48	55
7	60	53	48	44	51
8	57	49	44	40	47
9	54	46	41	37	44
10	50	42	37	34	41

RR31239-15

500W MFL

Efficiency = 64.8%



CANDLEPOWER DISTRIBUTION					
	0.0	30.0	60.0	90.0	180.0
0	5537	5537	5537	5537	5537
5	7143	6874	6328	5375	3213
15	7435	6732	5270	3688	764
25	8666	5929	3401	2061	260
35	5880	4348	1708	1008	388
45	813	907	344	288	383
55	60	70	61	66	69
65	2	3	5	8	6
75	0	1	3	3	0
85	0	0	1	1	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION					
RF	RC	80	50	30	10
1	73	72	70	68	66
2	70	66	64	61	63
3	66	62	58	56	59
4	62	57	54	51	55
5	59	53	49	47	52
6	56	50	46	43	48
7	53	47	43	40	45
8	50	44	40	37	43
9	48	41	37	35	40
10	45	39	35	32	38

Estimated Multipliers

-16 Champagne Gold Alzak®: CP x .98
-30 White: CP x .98
-63 Dune Alzak: CP x .97

-69 Wheat Alzak: CP x .97
-70 SoftTex Clear: CP x .98
-71 SoftTex Dune: CP x .95
-72 Black Alzak: CP x .80

-90 SoftTex Champagne Gold: CP x .96
-91 SoftTex Wheat: CP x .95
-93 Pewter Alzak: CP x .95
-OG Black OptiGroove: CP x .82

Options

- 15 Safety tempered prismatic C#73 flat glass for use with medium flood lamp. Converts oval beam pattern to round. See Option -LP.
- 16 Champagne Gold specular Alzak self-flanged reflector. (CP x .98)
- 30 All white reflector, self-flanged. (CP x .98)
- 31 White flange (only) on self-flanged reflector.
- 32 Trim extender. Broadens trim flange O.D. by 1" to cover larger ceiling opening.
- 45 Gasket above reflector flange. Stops dust streaks on ceiling.

- 63 Dune specular Alzak self-flanged reflector. (CP x .97)
- 69 Wheat specular Alzak self-flanged reflector. (CP x .97)
- 70 SoftTex Clear softly etched self-flanged reflector. Resists smudges. (CP x .98)
- 71 SoftTex Dune softly etched self-flanged reflector. Resists smudges. (CP x .95)
- 72 Black specular Alzak self-flanged reflector. (CP x .80)
- 90 SoftTex Champagne Gold softly etched self-flanged reflector. Resists smudges. (CP x .96)
- 91 SoftTex Wheat softly etched self-flanged reflector. Resists smudges. (CP x .95)

- 93 Pewter specular Alzak self-flanged reflector. (CP x .95)
- 94 Specular or SoftTex custom color / finish reflector, self-flanged. Consult factory.
- 99 Special modification. Consult factory.
- LP With PAR 56 lamp. Specify wattage, beam spread and color temperature. With medium flood, also select Option -15.
- OG OptiGroove black seamless tapered aluminum reflector. White trim, self-flanged. (CP x .82)
- TA Top access modification for servicing from above.

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME _____

TYPE _____

WATTAGE _____ VOLTAGE _____

CATALOG NUMBER _____