

500 Watt Tungsten Halogen 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#73 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 14GA (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

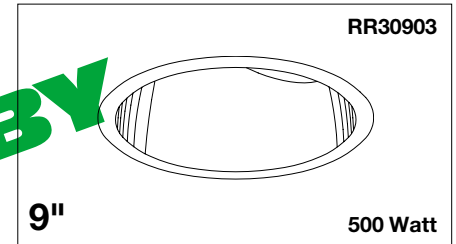
- Wet, damp or dry locations, covered ceilings.
- Through-branch circuit conductors (6 #12 AWG 90°C).

Three Year Limited Warranty

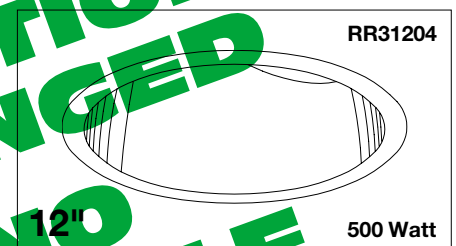
- Complete standard fixture.

Thermal Protection (Per Current NEC)

- Thermal protector included which provides automatic cut-off if rated temperature is exceeded. (insulation related)

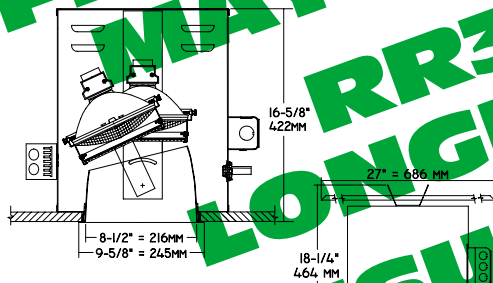


Ideal for High Ceiling Areas
Dimmable PAR 56 Sources
Safety Glass Included
11 Optional Reflector Finishes

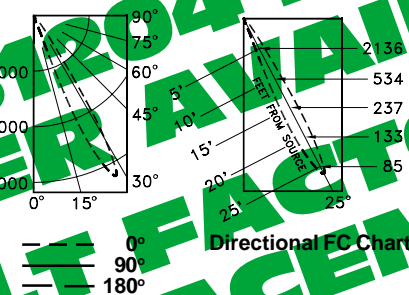


Performance at a Glance

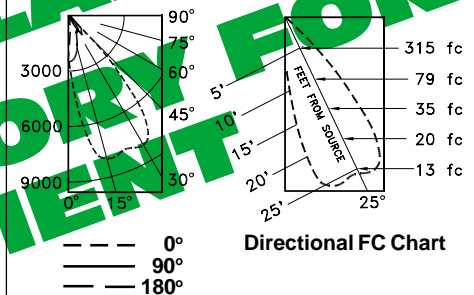
RR30903



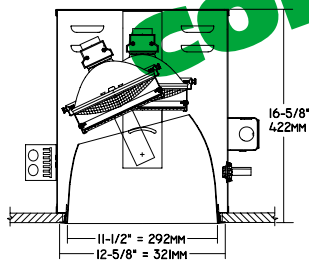
RR30903 (500W Narrow Spot Shown)



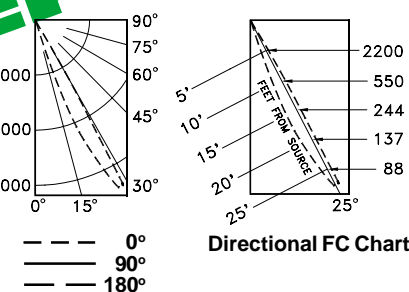
RR30903-15 (500W Medium Flood Shown)



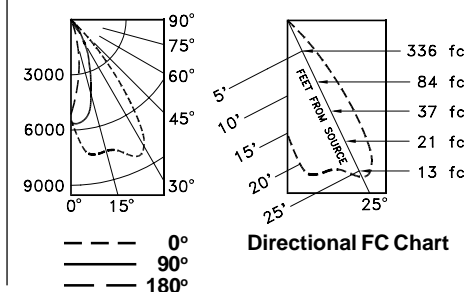
RR31204



RR31204 (500W Narrow Spot Shown)



RR31204-15 (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 • www.light-link.com/kirlin

PRECISION LIGHTING
TUNGSTEN HALOGEN

PAR 56
PAR 56

500
500

CATALOG NUMBERS
RR30903
RR31204

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

Alzak® is a registered trademark of ALCOA.

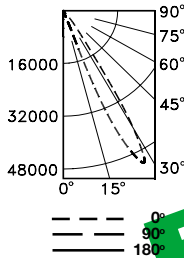
Detailed Photometry - Installed Fixture

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

RR30903 (500W NSP): TEST # 43325
RR31204 (500W NSP): TEST # 43326

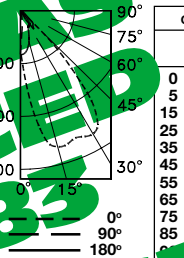
RR30903-15 (500W MFL): TEST # 43323
RR31204-15 (500W MFL): TEST # 43324

RR30903 500W NSP Efficiency = 71.2%



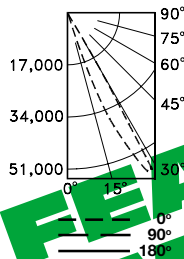
CANDLEPOWER DISTRIBUTION					COEFFICIENTS OF UTILIZATION								
	0.0	30.0	60.0	90.0	180.0	RF	20						
						RC	70	80	90	10	50	30	10
0	1160	1160	1160	1160	1160	1	80	78	76	75	74	72	71
5	1228	1374	1239	1145	874	2	76	72	69	68	69	66	64
15	2061	1759	1051	802	21	3	71	66	62	59	63	60	58
25	4502	10212	958	156	416	4	67	61	57	53	59	55	52
35	5892	8182	52	377	502	5	63	56	52	48	54	50	47
45	83	52	21	10	11	6	59	52	47	44	50	46	43
55	0	0	0	0	0	7	55	49	43	40	46	42	39
65	0	0	0	0	0	8	52	44	39	36	43	39	36
75	0	0	0	0	0	9	49	41	36	33	40	36	33
85	0	0	0	0	0	10	46	38	33	30	37	33	30
90	0	0	0	0	0								

RR30903-15 500W MFL Efficiency = 58.7%



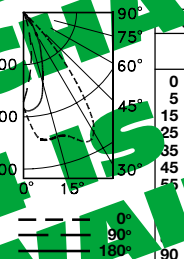
CANDLEPOWER DISTRIBUTION					COEFFICIENTS OF UTILIZATION								
	0.0	30.0	60.0	90.0	180.0	RF	20						
						RC	70	80	90	10	50	30	10
0	2515	2515	2515	2515	2515	1	66	65	63	62	61	60	59
5	4631	4384	3538	2508	1007	2	63	59	57	55	56	55	53
15	7971	6814	4352	1832	172	3	59	55	51	49	52	50	48
25	7876	5766	3072	990	142	4	55	50	47	44	48	46	43
35	7310	3963	1181	810	1260	5	52	47	43	40	45	42	39
45	1873	1146	352	354	523	6	49	43	39	36	42	38	36
55	108	114	71	72	73	7	46	40	36	33	39	35	33
65	4	8	11	15	22	8	44	37	33	30	36	33	30
75	1	0	1	2	0	9	41	35	31	28	34	30	28
85	0	0	0	0	0	10	39	32	29	26	32	28	26
90	0	0	0	0	0								

RR31204 500W NSP Efficiency = 75.9%



CANDLEPOWER DISTRIBUTION					COEFFICIENTS OF UTILIZATION								
	0.0	30.0	60.0	90.0	180.0	RF	20						
						RC	70	80	90	10	50	30	10
0	920	920	920	920	920	1	86	84	82	80	79	78	76
5	1041	1020	968	916	842	2	81	79	74	71	71	69	66
15	4476	1688	1072	833	770	3	77	72	68	64	69	65	63
25	6525	3571	1114	802	83	4	72	66	62	58	64	60	57
35	2280	3737	2186	1530	708	5	68	61	57	53	59	55	52
45	104	62	42	42	82	6	64	57	52	48	55	51	48
55	0	0	0	0	0	7	60	53	48	44	51	47	44
65	0	0	0	0	0	8	57	49	44	41	48	43	40
75	0	0	0	0	0	9	54	46	41	37	44	40	37
85	0	0	0	0	0	10	50	42	37	34	41	37	34
90	0	0	0	0	0								

RR31204-15 500W MFL Efficiency = 64.8%



CANDLEPOWER DISTRIBUTION					COEFFICIENTS OF UTILIZATION								
	0.0	30.0	60.0	90.0	180.0	RF	20						
						RC	70	80	90	10	50	30	10
0	5537	5537	5537	5537	5537	1	73	72	70	68	68	66	65
5	7143	6974	6328	5375	3213	2	70	66	64	61	63	61	59
15	7495	5732	5270	3683	708	3	66	62	58	56	59	56	54
25	8366	5929	3401	2053	262	4	62	57	54	51	55	52	50
35	5880	4348	1708	1008	338	5	59	53	49	47	52	48	46
45	813	907	344	288	383	6	56	50	46	43	48	43	43
55	60	70	61	56	69	7	53	47	43	40	45	42	39
65	2	3	5	8	6	8	50	44	40	37	43	39	37
75	0	1	3	3	0	9	48	41	37	35	40	37	34
85	0	0	1	1	0	10	45	39	35	32	38	35	32
90	0	0	0	0	0								

Estimated Multipliers

- 16 Champagne Gold Alzak® CP x .96
- 30 White: CP x .98
- 63 Dune Alzak: CP x .97
- 69 Wheat Alzak: CP x .97
- 70 SoFTex Clear: CP x .98
- 71 SoFTex Dune: CP x .95
- 72 Black Alzak: CP x .80
- 90 SoFTex Champagne Gold: CP x .96
- 91 SoFTex Wheat: CP x .95
- 93 Pewter Alzak: CP x .85
- 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 SoFTex Clear softly etched self-flanged reflector. Resists smudges. (CP x .98)
- 71 SoFTex Dune softly etched self-flanged reflector. Resists smudges. (CP x .95)
- 72 Black specular Alzak self-flanged reflector. (CP x .80)
- 90 SoFTex Champagne Gold softly etched self-flanged reflector. Resists smudges. (CP x .96)
- 91 SoFTex Wheat softly etched self-flanged reflector. Resists smudges. (CP x .95)
- 93 Pewter specular Alzak self-flanged reflector. (CP x .95)
- 94 Specular or SoFTex 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 _____

LIMITED WARRANTY: CATALOGUED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLATION, ETC., IS NORMAL USE. Manufacturer at this option will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective fixture to the offices of manufacturer within three years of original shipment. Liability of manufacturer shall not be liable for any other damages, direct or indirect, sustained or suffered by purchaser or any person. This warranty is supplied on the basis of the fixture as shown in the catalog. The manufacturer will not be held responsible for any modification of the fixture without prior written authorization from the manufacturer.