

Type IC PAR 38 Halogen Adjustables

Features

Lamp / Socket Assembly

- Designed for:
 - 120 watt (max.) PAR 38 tungsten halogen lamp (by others).
- Rated 3000 hour life; 100 CRI.
- Dimmable (controls by others).
- Swivels, tilts and locks: 358° x 45°.
- Glazed porcelain medium base socket.

Reflector

- Self-flanged parabolic specular Alzak® aluminum.
- Twelve 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.
- 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

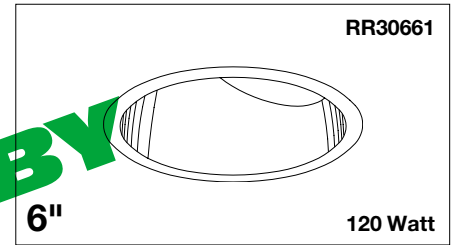
- Wet, damp or dry locations, covered ceilings.
- Through-branch circuit conductors (6 #12 AWG 90°C).
- Type IC - Approved for direct contact with insulation.

Three Year Limited Warranty

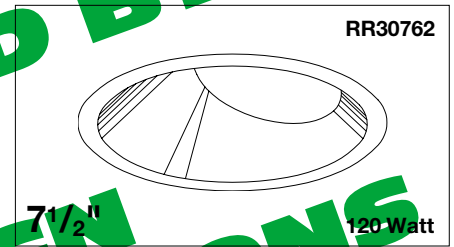
- Complete standard fixture.

Thermal Protection (Per Current NEC)

- Thermal protector included which provides automatic cut-off if rated wattage is exceeded.



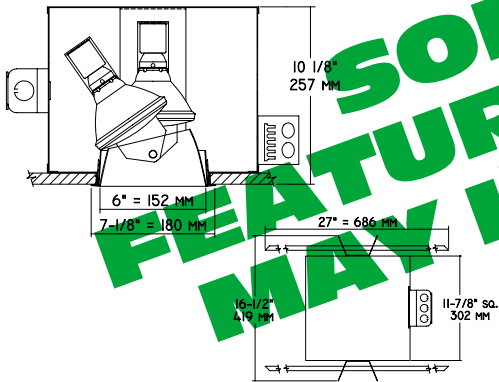
RR30661
6" **120 Watt**
Type IC - Approved for Direct Contact with Insulation
Dimmable
12 Optional Reflector Finishes



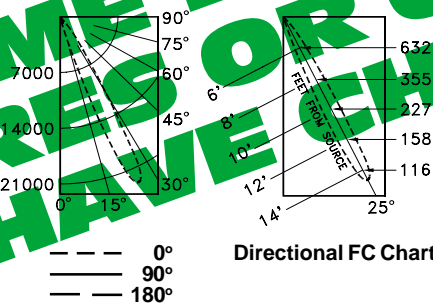
RR30762
7 1/2" **120 Watt**

Performance at a Glance

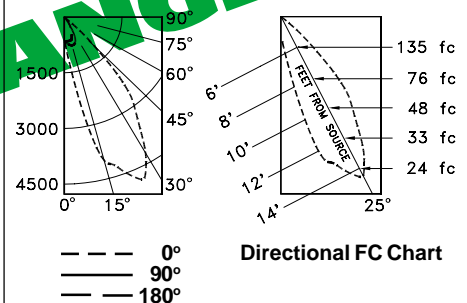
RR30661



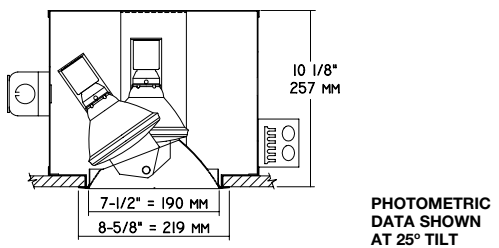
RR30661 (120W Narrow Spot Shown)



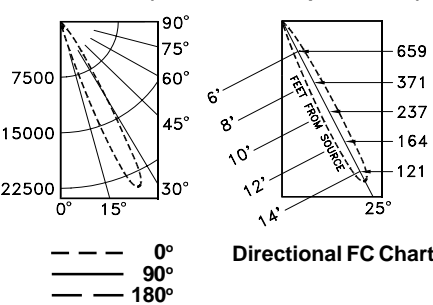
RR30661 (120W Flood Shown)



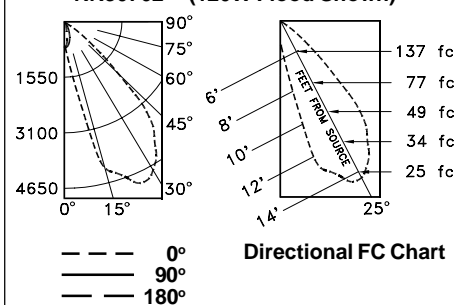
RR30762



RR30762 (120W Narrow Spot Shown)



RR30762 (120W Flood Shown)



THE KIRLIN COMPANY

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NEW MILLENNIUM

TUNGSTEN HALOGEN and
INCANDESCENT LIGHTING

LAMP

PAR 38
PAR 38

MAXIMUM WATTAGE

120
120

CATALOG NUMBERS

RR30661
RR30762

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)

RR30661 (120W NSP): TEST NUMBER 46956
RR30762 (120W NSP): TEST NUMBER 46960

RR30661 (120W FL): TEST NUMBER 46955
RR30762 (120W FL): TEST NUMBER 46959

RR30661

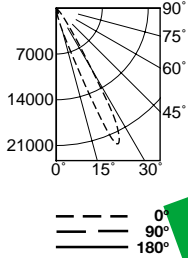
120W NSP

Efficiency = 83.6%

RR30661

120W FL

Efficiency = 86.2%



CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	622	622	622	622	622
5	675	649	675	726	726
15	3526	1141	635	544	492
25	2203	765	440	298	233
35	3189	273	0	0	0
45	440	52	0	0	0
55	52	0	0	0	0
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	20						
RC	70	50	30	10	0		
1	85	93	90	89	87	86	84
2	86	86	83	80	82	79	77
3	85	80	78	73	77	73	71
4	84	75	70	66	72	68	65
5	77	70	63	61	68	63	60
6	73	66	60	56	63	59	56
7	69	61	56	52	59	55	52
8	65	57	52	48	56	51	48
9	62	53	48	45	52	48	45
10	59	50	45	42	49	45	42

DATA SHOWN AT 25° TILT



CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	535	535	535	535	535
5	951	759	531	460	451
15	3882	1540	565	505	437
25	4869	1564	437	257	199
35	3491	599	120	61	46
45	1304	122	22	16	14
55	108	13	2	4	5
65	5	2	1	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION							
RF	20						
RC	70	50	30	10	0		
1	97	95	93	91	90	88	86
2	92	88	84	81	83	80	78
3	87	81	76	72	77	74	71
4	82	75	69	65	72	68	64
5	77	69	63	59	67	62	59
6	72	64	58	54	62	57	54
7	68	59	54	50	58	53	49
8	64	55	50	46	54	49	45
9	61	51	46	42	50	45	42
10	57	48	43	39	47	42	39

DATA SHOWN AT 25° TILT

RR30762

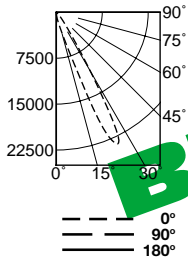
120W NSP

Efficiency = 84.6%

RR30762

120W FL

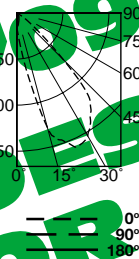
Efficiency = 88.6%



CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	298	298	298	298	298
5	623	466	285	259	259
15	3315	908	233	221	207
25	2323	842	242	65	26
35	3090	415	143	0	0
45	315	298	0	0	0
55	155	52	0	0	0
65	26	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	20						
RC	70	50	30	10	0		
1	96	93	91	89	88	86	86
2	90	86	82	78	82	79	77
3	85	79	75	70	76	72	70
4	80	73	68	64	71	67	63
5	76	68	63	59	66	61	59
6	71	63	58	54	61	56	53
7	67	59	53	49	57	52	49
8	63	54	49	45	53	48	45
9	60	51	45	41	49	45	41
10	56	47	42	38	46	41	38

DATA SHOWN AT 25° TILT



CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	469	469	469	469	469
5	907	683	436	319	280
15	3997	1290	275	176	156
25	3334	1293	174	106	74
35	4312	647	121	30	14
45	2211	270	43	5	0
55	991	76	10	1	0
65	24	11	2	0	0
75	3	4	0	0	0
85	0	2	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION							
RF	20						
RC	70	50	30	10	0		
1	100	97	94	92	91	89	88
2	94	89	84	81	84	81	78
3	88	81	76	72	77	73	70
4	82	74	68	64	71	66	63
5	77	68	62	57	65	60	57
6	72	63	58	52	60	55	51
7	67	58	51	47	56	50	46
8	63	53	47	43	52	46	42
9	59	49	43	39	48	42	39
10	56	46	40	36	44	39	35

DATA SHOWN AT 25° TILT

Estimated Multipliers

- 16 Champagne Gold Alzak® CP x .98
- 30 White CP x .98
- 63 Dune Alzak CP x .97
- 68 Matte Black CP x .82
- 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

- 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)
- 68 Matte Black self-flanged reflector for
- RR30762 only. White trim. (CP x .82)
- 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 38 lamp. Specify wattage, beam spread and color temperature.
- OG OptiGroove black seamless tapered aluminum reflector for RR30661 only. White trim, self-flanged. (CP x .82)

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, E.C., IN 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 at the office of manufacturer within the first year 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 on the condition that the purchaser agrees to the terms and conditions of the manufacturer's warranty. Seller does not warrant as to merchantability or fitness for a particular use, nor liability of installation, constitute a warranty or amend this specific warranty. Abandonment of the fixture without prior written authorization from the manufacturer will void the warranty.