

PAR 38 Halogen Open Square

Features

Lamp / Socket

- Designed for: 250 watt (max.) PAR 38 tungsten halogen lamp (by others).
- Rated 4200 hour life; 100 CRI.
- Dimmable (controls by others).
- Glazed porcelain medium base socket.

Reflector

- Low brightness specular Alzak® aluminum in cast aluminum white trim frame.

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

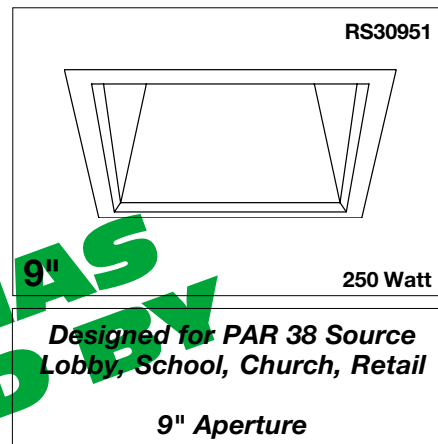
- Wet, damp or dry locations, covered ceilings.
- Through-branch circuit conductors (6 #12 AWG, 90°C).

Three Year Limited Warranty

- Complete standard fixture.

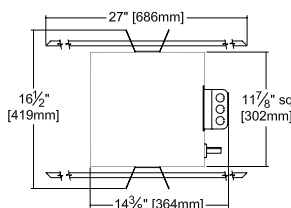
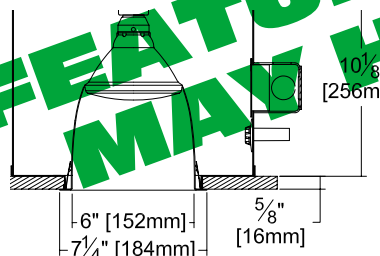
Thermal Protection (Per Current NEC)

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

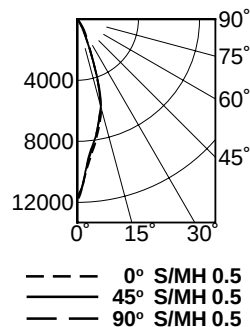


Performance at a Glance

RS30951



RS30951 (250W Flood Shown)



Cone of Light*

Ft.	FC	Dia.
6	324.1	2.9
8	182.3	3.9
10	116.7	4.9
12	81.0	5.8
14	59.5	6.8
16	45.6	7.8

Cone of Light Key

- Ft. 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

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

PAR 38

250

RS30951

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Alzak® is a registered trademark of ALCOA.

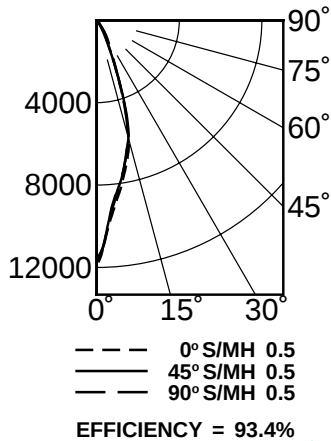
RS30951

RECESSED SQUARE: 250 WATT (MAX.) PAR 38 TUNGSTEN HALOGEN DOWNLIGHT

Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO) RS30951 (250W FL): TEST # 47038
RS30951 (120W FL): TEST # 47039

RS30951 250W FL



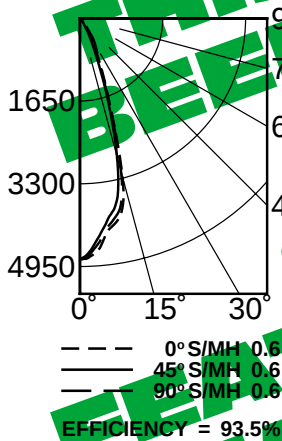
CANDLEPOWER DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	11669	11669	11669	11669	11669
5	9266	9266	9061	8976	8926
15	5979	5944	5809	5922	5922
25	1360	1502	1636	1523	1247
35	241	248	510	262	213
45	57	57	28	71	57
55	0	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	80			50		
RW	70	50	30	10	50	30
1	107	105	103	101	99	98
2	103	100	97	94	95	93
3	100	95	91	88	91	88
4	96	90	86	83	88	84
5	93	87	82	79	84	81
6	89	83	79	76	81	78
7	86	80	75	72	78	75
8	84	77	72	70	75	72
9	81	74	70	67	73	69
10	78	71	67	64	70	67

RS30951 120W FL



CANDLEPOWER DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	4803	4803	4803	4803	4803
15	4591	4549	4478	4416	4368
25	3272	3106	3164	3090	2848
35	832	875	871	782	629
45	147	166	318	151	121
55	43	49	23	44	31
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	80			50		
RW	70	50	30	10	50	30
1	107	105	103	101	99	98
2	103	100	96	94	95	93
3	99	94	91	88	91	88
4	96	90	86	83	87	84
5	92	86	82	78	84	80
6	89	82	78	75	80	77
7	86	79	75	71	77	74
8	83	76	71	68	74	71
9	80	73	69	66	72	68
10	77	70	66	63	69	66

Estimated Multiplier
-30 White: CP x .98

Options

- 30 All white reflector. (CP x .98)
- 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.
- 58 277/120V stepdown transformer for 277 volt line input, prewired into fixture.
- 94 Custom color trim frame or reflector. Consult factory.
- 99 Special modification. Consult factory.
- LP With PAR 38 lamp. Specify wattage, beam spread and color temperature.

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME

TYPE

WATTAGE

VOLTAGE

CATALOG NUMBER