

Surface Square PAR 38 Downlight

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

- Tempered, rigid rust proof aluminum: Exceeds 1000 hour ASTM 5% salt spray test.
- Cool: Dissipates heat across entire surface area.
- No visible housing hardware.
- White enameled acrylic finish.

Outlet Box

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

Installation

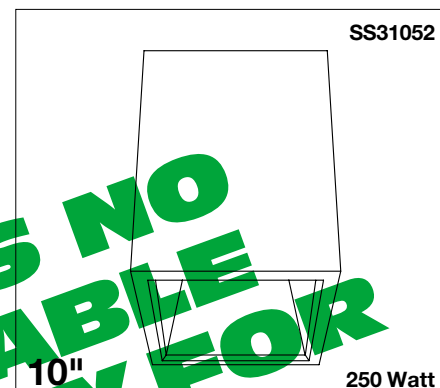
- Center point mounting with snug fit to ceiling. Mounting hardware furnished.
- Indoor or outdoor for covered ceiling use. (See Option -89 for use with Options -PM or -WB)
- Pendant mount available. (Option -PM)
- Wall bracket available. (Option -WB)

UL, C-UL (Canada) Listings

- Wet, damp or dry locations, covered ceilings. (see Option -89)
- Caution: Use 90°C supply wire to outlet box above.

Three Year Limited Warranty

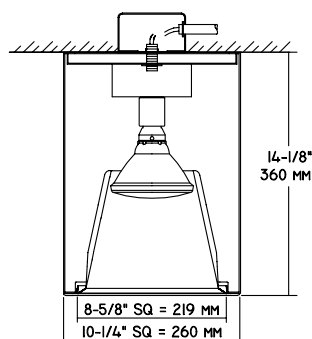
- Complete standard fixture.



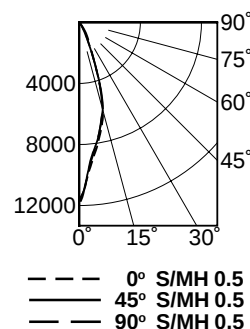
Designed for PAR 38 Source
Clean Geometric Appearance
Retail, Airport, Lobby

Performance at a Glance

SS31052

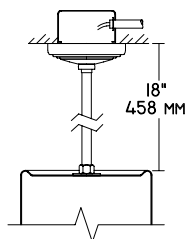


SS31052 (250W Flood Shown)



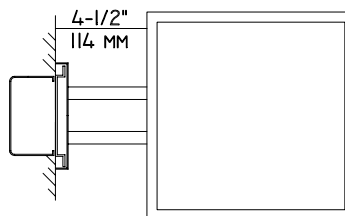
Cone of Light*

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



Representative Views:

(Right) Optional wall bracket (Option -WB)
(Left) Optional pendant mount (Option -PM)



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

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NEW MILLENNIUM
TUNGSTEN HALOGEN and
INCANDESCENT LIGHTING

LAMP

MAXIMUM WATTAGE

CATALOG NUMBER

PAR 38

250

SS31052

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Alzak® is a registered trademark of ALCOA.

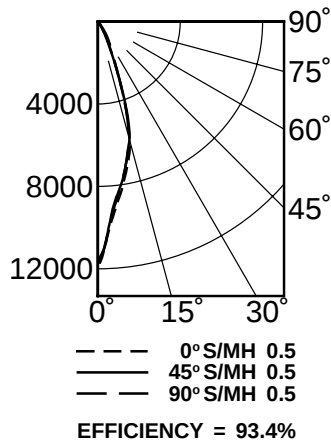
SS31052

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

Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO) SS31052 (250W FL): TEST # 47038
SS31052 (120W FL): TEST # 47039

SS31052 250W FL



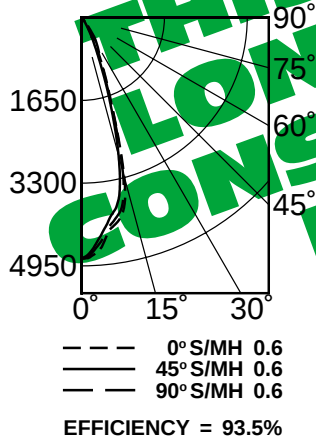
CANDLEPOWER DISTRIBUTION

	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	10
1	107	105	103	101	99	98	97
2	103	100	97	94	95	93	91
3	100	95	91	88	91	88	86
4	96	90	86	83	88	84	82
5	93	87	82	79	84	81	78
6	89	83	79	76	81	78	75
7	86	80	75	72	78	75	72
8	84	77	72	70	75	72	69
9	81	74	70	67	73	69	67
10	78	71	67	64	70	67	64

SS31052 120W FL



CANDLEPOWER DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	4803	4803	4803	4803	4803
5	4591	4549	4478	4416	4368
15	3272	3106	3164	3090	2848
25	832	875	871	782	629
35	147	166	318	151	121
45	43	49	23	44	31
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						
	80				50		
RW	70	50	30	10	50	30	10
1	107	105	103	101	99	98	97
2	103	99	96	94	95	93	91
3	99	94	91	88	91	88	86
4	96	90	86	83	87	84	81
5	92	86	82	78	84	80	77
6	89	82	78	75	80	77	74
7	86	79	75	71	77	74	71
8	83	76	71	68	74	71	68
9	80	73	69	66	72	68	65
10	77	70	66	63	69	66	63

Estimated Multiplier

-30 White: CP x .98

Options

- 30 All white reflector. (CP x .98)
- 35 Silver enameled luminaire finish instead.
- 36 Gold enameled luminaire finish instead.
- 37 Dark Bronze enameled luminaire finish instead.
- 38 Black enameled luminaire finish instead.
- 58 277/120V stepdown transformer for 277 volt line input, prewired into fixture.
- 80 2" extension collar for mounting luminaire beneath surface outlet box. Finish matches housing color.
- 87 Custom -PM length. Specify up to 4 feet or consult factory. Use with Option -PM.
- 88 Swivel canopy for sloped ceilings up to 45°. Earthquake rated. Use with Option -PM.
- 89 Sealed top WeatherCap feature prevents moisture and insect intrusion in outdoor or high humidity areas. Use with Option -PM or -WB.
- 94 Custom color trim frame or reflector or luminaire. Specify parts. Consult factory.
- 99 Special modification. Consult factory.
- LP With PAR 38 lamp. Specify wattage, beam spread and color temperature.
- PM Pendant mount instead. 3/8" T.S. x 18" or see Option -87. Also see Options -88 and -89.
- WB Wall bracket mount instead. Also see -89.

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME

TYPE

WATTAGE

VOLTAGE

CATALOG NUMBER

LIMITED WARRANTY: CATALOGED 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 his option will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective fixture at the offices of manufacturer within three years 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 for the buyer's place of use only. Warranties, expressed or implied, Seller does not warrant as to merchantability or fitness for a particular use, nor liability of manufacturer constitute a warranty or amend this specific warranty. Abnormal use, abuse of fixture, improper installation, or repair or modification of the fixture without prior written authorization from the manufacturer will void this warranty void.