

Surface, Pendant or Wall Bracket PAR 38 Downlights

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

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

Housing

- Seamless, deep-drawn rigid aluminum. No visible hardware.
- White acrylic enameled finish standard. See Options for other colors.

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

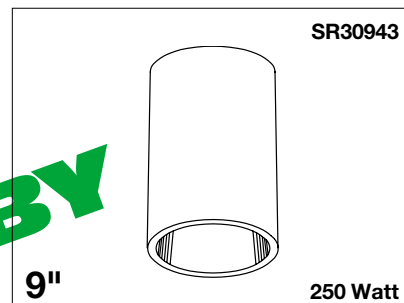
Installation

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

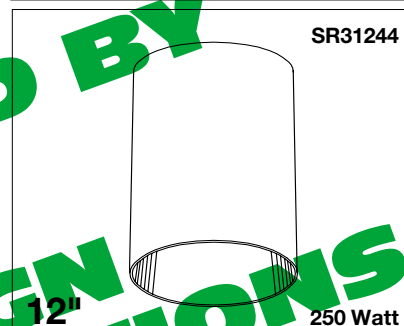
- UL, C-UL (Canada) Listings
- Wet, damp or dry locations, covered ceilings. (See Option -89)
- Caution: Use 90°C supply wire to outlet box above.

Three Year Limited Warranty

- Complete standard fixture.

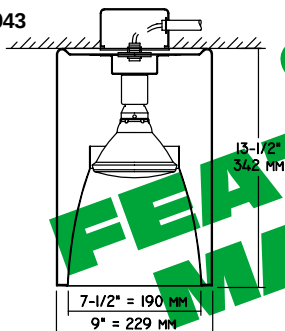


Atrium, Church or Mall
Designed for PAR 38 Sources
11 Optional Reflector Finishes

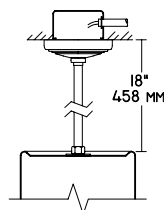


Performance at a Glance

SR30943

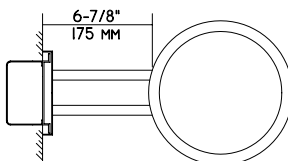


SR31244

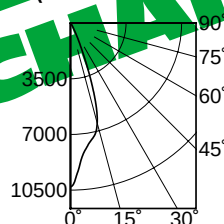


Representative Views:

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



SR30943
(250W Flood Shown)

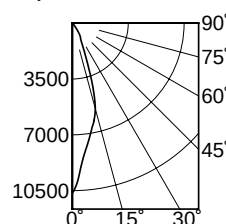


S/MH = 0.5

Cone of Light*

Ft.	FC	Dia.
6	286.0	3.5
8	160.9	4.7
10	103.0	5.9
12	71.5	7.1
14	52.5	8.3
16	40.2	9.4

SR31244
(250W Flood Shown)



S/MH = 0.5

Cone of Light*

Ft.	FC	Dia.
6	295.7	3.0
8	166.3	4.0
10	106.4	5.0
12	73.9	6.0
14	54.3	7.0
16	41.6	8.0

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

LAMP

PAR 38
PAR 38

MAXIMUM WATTAGE

250
250

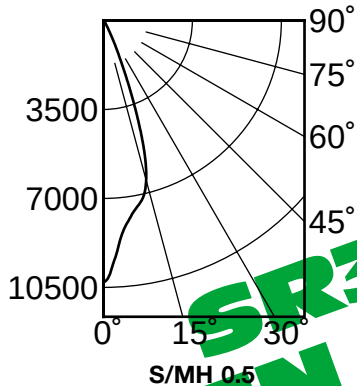
CATALOG NUMBERS

SR30943
SR31244

SURFACE ROUND: 250 WATT (MAX.) PAR 38 TUNGSTEN HALOGEN DOWNLIGHTS

Detailed Photometry - Installed Fixture

SR30943 250W FL

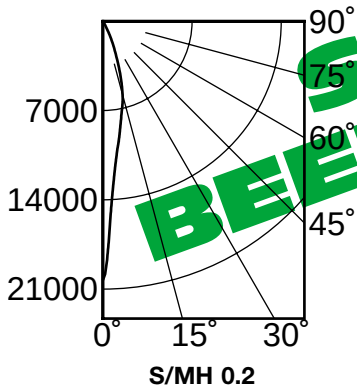


EFFICIENCY = 90.7%

	0.0	22.5	45.0	67.5	90.0
0	10296	10296	10296	10296	10296
5	8437	8437	8437	8437	8437
15	6504	6504	6504	6504	6504
25	1225	1225	1225	1225	1225
35	178	178	178	178	178
55	0	0	0	0	0
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
95	0	0	0	0	0

RF	20						
RF	80			50			
RF	70	50	30	50	30	10	
1	104	102	100	99	97	95	94
2	100	97	94	92	93	91	89
3	97	92	89	86	89	86	84
4	94	88	85	82	86	83	80
5	90	85	81	78	82	79	77
6	87	81	77	74	80	76	74
7	85	78	74	71	77	73	71
8	82	76	71	69	74	71	68
9	79	73	69	66	72	68	66
10	77	70	67	64	69	66	64

SR31244 **250W FL**



EFFICIENCY = 93.4%

	0.0	22.5	45.0	67.5	90.0
0	20296	20296	20296	20296	20296
5	11274	11274	11274	11274	11274
	5980	5980	5980	5980	5980
25	1515	1515	1515	1515	1515
35	109	109	109	109	109
45	0	0	0	0	0
55	0	0	0	0	0
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
95	0	0	0	0	0

EFFICIENTS OF UTILIZATION								
REF.	20				50			
	70	50	30	10	50	30	10	
1	107	105	103	102	100	98	97	
2	104	100	97	95	96	94	92	
3	100	96	92	90	92	90	88	
4	97	92	88	85	89	86	84	
5	94	88	85	82	86	83	81	
6	91	85	81	78	83	80	78	
7	88	82	78	76	81	77	75	
8	86	80	76	73	78	75	73	
9	83	77	73	71	76	73	70	
10	81	75	71	68	74	71	68	

Estimated Multipliers

-16 Champagne Gold Alzak®: CP x .98

-30 White: CP x .96

-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 .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 (SR30943 only).
- 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, SR31244 only.
- 63 Dune specular Alzak self-flanged reflector. (CP x .97)
- 69 Wheat specular Alzak self-flanged reflector. (CP x .97)

- 70 SoTex Clear softly etched self-flanged reflector.
Resists smudges. (CP x .98)
- 71 SoTex Dune softly etched self-flanged reflector.
Resists smudges. (CP x .95)
- 72 Black specular Alzak self-flanged reflector.
(CP x .80)
- 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 from above in
outdoor or high humidity areas. Use with Option
-PM or -WB.

- 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 self-flanged reflector or luminaire. Specify parts. 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. White trim, self-flanged. (CP x .82)
- 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

Alzak® is a registered trademark of ALCOA.

BULLETIN 98NM
OCTOBER 1998