

Higher Wattage Regressed Lens for Uniform Lighting

Features

Lamp / Socket

- Designed for:
 - RR20917: Vertical 200 watt (max.) A-23 inside frosted incandescent lamp (by others).
 - RR21218: Horizontal 300 watt (max.) PS-25 inside frosted incandescent lamp (by others).
- Dimmable (controls by others).
- Glazed porcelain medium base socket.

Reflector

- Specular Alzak® aluminum.

Trim Assembly

- Seamless tapered black OptiGroove with white flange. Self-flanged trim.
- Regressed tempered prismatic low brightness C#73 spread distribution lens.
- Torsion springs retain snug fit to ceiling.
- White flare trim, flat trim or eggcrate louver available. See Options.
- Anopal, fresnel or Holophane lens available. See Options.

Housing

- Acrylic enameled 100% aluminum.
- Rustproof. Exceeds 1000 hour ASTM 5% salt spray test. For MRI version, see Option -

MR.

- Cool: Dissipates heat across entire surface area.
- Entire luminaire serviced through removable trim assembly and 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

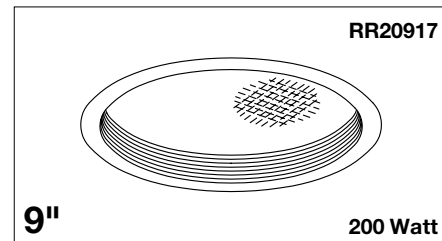
- Wet, damp or dry locations, covered ceilings.
- Through-branch circuit conductors (6 #12 AWG 90°C).

Three Year Limited Warranty

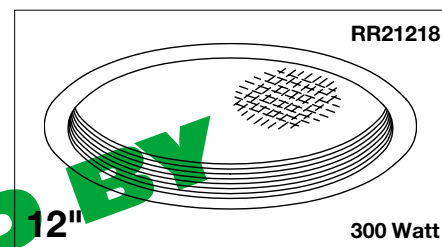
- Complete standard fixture.

Thermal Protection (Per Current NEC)

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



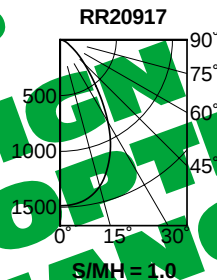
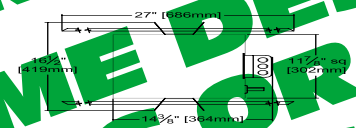
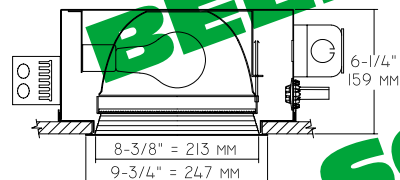
RR20917
9"
200 Watt
Ideal for Large Areas
Flat Trim or White Flare Optional
Many Optional Lenses



RR21218
12"
300 Watt

Performance at a Glance

RR20917

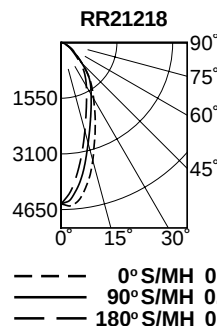
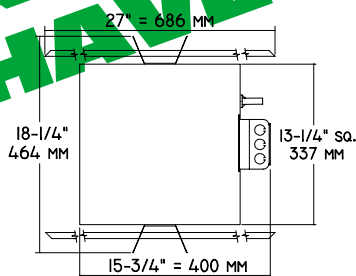
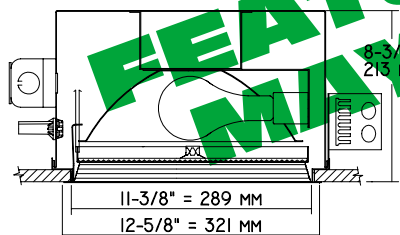


Cone of Light*

Ft.	FC	Dia.
6	41.3	5.8
8	23.2	7.8
10	14.9	9.7
12	10.3	11.7
14	7.6	13.6
16	5.8	15.6

Cone of Light Key
Ft. Distance from fixture
FC Footcandles (average)
Dia. Circle of light at 50% of FC

RR21218



Cone of Light*

Ft.	FC	Dia.
6	124.7	3.8
8	70.1	5.1
10	44.9	6.3
12	31.2	7.6
14	22.9	8.8
16	17.5	10.1

* 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

**A-23
PS-25**

MAXIMUM WATTAGE

**200
300**

CATALOG NUMBERS

**RR20917
RR21218**

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

Alzak® is a registered trademark of ALCOA.

RR20917
RR21218

RECESSED ROUND: 200 A-23 / 300 PS-25 (MAX.) / INCANDESCENT DOWNLIGHTS

KIRLIN

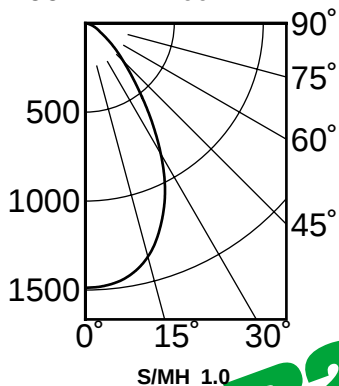
Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO) RR20917 (200W): TEST # 46992
RR21218 (300W): TEST # 44686

RR20917 200W

CANDLEPOWER DISTRIBUTION

COEFFICIENTS OF UTILIZATION



EFFICIENCY = 47.4%

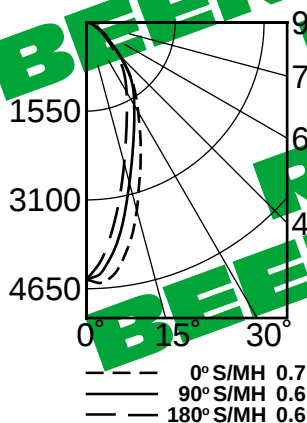
	0.0	22.5	45.0	67.5	90.0
0	1487	1487	1487	1487	1487
5	1477	1477	1477	1477	1477
15	1359	1359	1359	1359	1359
25	1060	1060	1060	1060	1060
35	627	627	627	627	627
45	303	303	303	303	303
55	141	141	141	141	141
65	69	69	69	69	69
75	24	24	24	24	24
85	2	2	2	2	2
90	0	0	0	0	0

RF	20						
RC	80				50		
RW	70	50	30	10	50	30	10
1	53	52	50	49	49	48	47
2	50	47	45	43	45	43	41
3	47	43	43	38	41	39	37
4	44	39	36	34	38	35	33
5	41	36	33	31	35	32	30
6	39	34	30	28	32	30	28
7	36	31	28	26	30	27	25
8	34	29	26	24	28	25	23
9	32	27	24	22	26	24	22
10	31	26	22	20	25	22	20

RR21218 300W

CANDLEPOWER DISTRIBUTION

COEFFICIENTS OF UTILIZATION



EFFICIENCY = 66.6%

	0.0	45.0	90.0	135.0	180.0
0	4489	4489	4489	4489	4489
5	4497	4422	4218	4059	3969
15	3398	3318	2901	2798	2546
25	2232	2229	1972	1853	1673
35	1477	1474	1423	1253	1172
45	834	855	818	722	683
55	429	371	415	331	356
65	196	195	184	171	172
75	72	74	72	68	63
85	3	5	3	5	3
90	0	0	0	0	0

RF	20						
RC	80				50		
RW	70	50	30	10	50	30	10
1	75	72	70	68	68	67	65
2	70	66	62	60	62	60	58
3	65	60	56	53	57	54	51
4	61	55	50	47	53	49	46
5	57	51	46	42	49	45	42
6	54	47	42	39	45	41	38
7	51	43	39	35	42	38	35
8	48	40	36	33	39	35	32
9	45	38	33	30	37	33	30
10	43	36	31	28	35	31	28

Options

- 18 Anoplat flat glass. Not enameled. Diffusing.
- 20 White 1/2" cube eggcrate aluminum louver.
- 32 Trim extender. Broadens trim flange O.D. by 1" to cover larger ceiling opening.
- 40 White grooveless flare trim instead. With regressed tempered C#73 spread lens or specify optional lens.
- 45 Gasket between trim and ceiling.
- 46 Gasket between trim and lens.
- 58 277/120V stepdown transformer for 277 volt line input, prewired into fixture.
- 82 Sloped ceiling adapter for RR20917 only. Specify slope in 5° increments up to 30°.
- 94 Custom color trim assembly. Consult factory.
- 99 Special modification. Consult factory.
- FR Fresnel tempered lens instead. Concentric prisms.
- FT Flat white trim instead. With tempered prismatic flat C#73 spread lens or specify optional lens.
- HO Holophane concave prismatic tempered lens instead for RR20917 only.
- MR Converted to non-ferrous construction for MRI use. (RR21218 only)

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 the 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 for the user's place of use only. Warranties, expressed or implied, seller does not warrant as to merchantability or fitness for a particular use, nor will any oral statement 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.