

Open Wall Wash for 100 and 150 Watt A Lamps

Features

Lamp / Socket

- Designed for:
 - RR20408: Vertical 100 watt (max.) A-17 inside frosted incandescent lamp (by others).
 - RR20609: Vertical 150 watt (max.) A-21 inside frosted incandescent lamp (by others).
- Dimmable (controls by others).
- Glazed porcelain medium base socket.

Reflectors

- Inner: Self-flanged specular Alzak® aluminum. Adjusts 360° for precise wall wash position.
- Nine optional self-flanged colors and finishes available. See Options.
- Optional double wall wash available.
- Outer: Etched and anodized 100% aluminum for uniform wall washing.

Housing

- Acrylic enameled 100% aluminum.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test. For MRI version, see -MR.
- Cool: Dissipates heat across entire surface area.

- Entire luminaire visible and serviceable from below through removable reflector assembly.
- Built-in plaster frame. Also see Option -79.

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

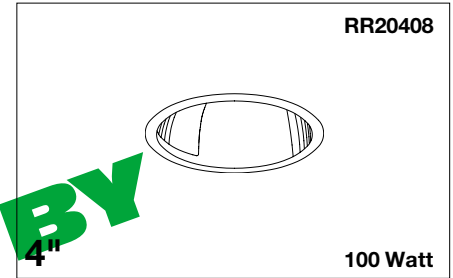
- Wet, damp or dry locations, covered ceilings.
- Through-branch circuit conductors (6 #12 AWG 90°C).

Three Year Limited Warranty

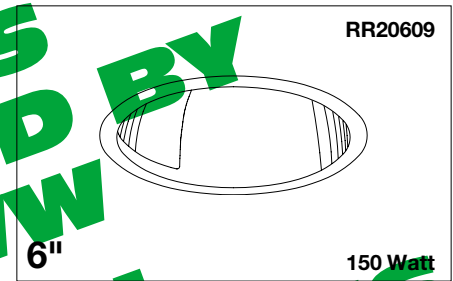
- Complete standard fixture.

Thermal Protection (Per Current NEC)

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

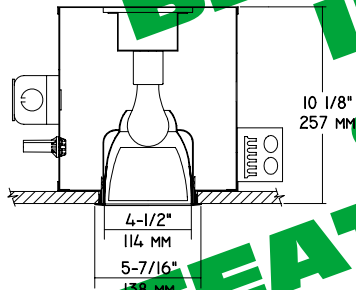


**Dramatic Wall Washing
Inconspicuous Apertures
9 Optional Reflector Finishes**

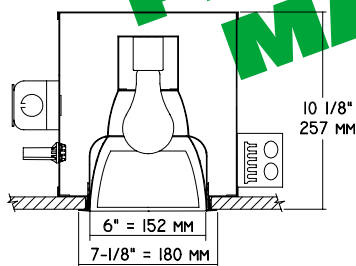


Performance at a Glance

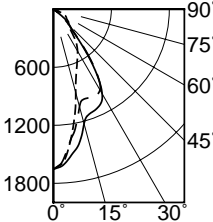
RR20408



RR20609



WALL > --- 0°
--- 90°
--- 180°



DISTANCE FROM CEILING IN FEET	SINGLE FIXTURE				MULTIPLE FIXTURES						
	1'	2'	3'	4'	3' CENTERS	4' CENTERS	3' CENTERS	4' CENTERS			
1	1.50	1.27	0.91	0.69	0.55	3.75	3.92	4.06	3.46	3.17	3.46
2	2.15	2.71	1.74	1.05	0.68	6.47	6.37	6.47	5.38	4.87	5.38
3	3.13	2.49	1.56	1.12	0.80	6.70	6.12	6.70	5.66	4.63	5.66
4	4.46	3.05	1.61	1.21	0.75	8.26	9.20	8.26	6.94	6.77	6.94
5	1.99	3.75	3.05	2.11	1.00	9.57	9.25	9.57	6.98	7.67	6.98
6	1.28	3.13	2.74	2.14	1.54	8.99	9.07	8.99	7.30	7.12	7.30
7	2.65	2.58	2.34	1.97	1.54	8.38	8.53	8.38	6.70	6.67	6.70
8	2.19	2.15	2.01	1.76	1.48	7.88	7.85	7.88	6.18	6.35	6.18
9	1.88	1.86	1.77	1.62	1.42	7.35	7.47	7.35	5.88	5.95	5.88

RR20408

DISTANCE FROM CEILING IN FEET	SINGLE FIXTURE				MULTIPLE FIXTURES						
	1'	2'	3'	4'	3' CENTERS	4' CENTERS	3' CENTERS	4' CENTERS			
1	4.51	3.73	2.31	1.63	1.34	10.5	10.2	10.5	9.1	7.8	9.1
2	10.50	8.98	5.80	3.21	1.76	19.8	19.6	19.8	16.1	14.9	16.1
3	8.97	8.28	5.69	3.26	2.15	18.7	20.2	18.7	15.4	15.0	15.4
4	8.68	7.83	5.68	4.08	2.38	20.2	19.1	20.2	15.7	15.1	15.7
5	7.74	7.44	6.16	4.01	2.83	19.2	20.9	19.2	15.7	16.3	15.7
6	6.17	6.07	5.73	4.48	2.98	19.4	18.9	19.4	14.4	16.1	14.4
7	5.07	5.02	4.86	4.33	3.43	18.1	18.2	18.1	14.6	14.4	14.6
8	4.33	4.32	4.17	3.90	3.49	16.9	17.4	16.9	14.0	13.3	14.0
9	3.92	3.90	3.76	3.57	3.36	16.4	16.8	16.4	13.3	13.3	13.3

RR20609

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

A-17
A-21

MAXIMUM WATTAGE

100
150

CATALOG NUMBERS

RR20408
RR20609

RR20408
RR20609

RECESSED ROUND: 100 A-17 / 150 A-21 (MAX.) INCANDESCENT WALL WASH



Detailed Photometry - Installed Fixture

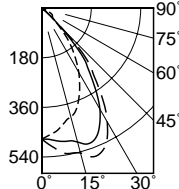
FROM I.T.L. (BOULDER, CO)

RR20408 (100W): TEST NUMBER 47263
RR20609 (150W): TEST NUMBER 46982
RR20609 (100W): TEST NUMBER 47277

RR20408

100 WATT

EFFICIENCY = 40.4%



WALL > --- 0° S/MH 0.9
--- 90° S/MH 1.2
--- 180° S/MH 1.3

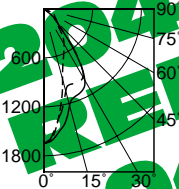
CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	475	475	475	475	475
5	456	463	481	500	508
15	409	440	503	540	544
25	326	377	490	536	549
35	207	249	324	359	371
45	75	74	98	99	111
55	47	35	9	5	5
65	25	22	4	19	23
75	7	7	4	6	8
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION							
RF	20						
	80			50			
RC	70	50	30	10	50	30	10
1	45	44	43	42	42	41	40
2	43	41	39	37	39	37	36
3	40	37	35	33	36	34	32
4	38	34	32	30	33	31	29
5	36	32	29	27	31	28	27
6	33	29	27	25	28	26	24
7	32	27	25	23	26	24	22
8	30	26	24	21	25	22	21
9	28	24	21	19	23	21	19
10	27	22	20	18	22	19	18

RR20609

150 WATT

EFFICIENCY = 56.3%



WALL > --- 0° S/MH 0.5
--- 90° S/MH 0.9
--- 180° S/MH 0.7

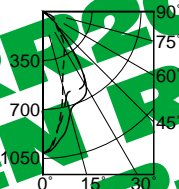
CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	1654	1654	1654	1654	1654
5	1522	1541	1580	1639	1693
15	931	1034	1225	1091	1044
25	588	771	1118	1013	997
35	403	503	725	720	746
45	261	242	238	225	223
55	165	113	25	11	21
65	105	78	33	16	28
75	21	14	7	10	12
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION							
RF	20						
	80			50			
RC	70	50	30	10	50	30	10
1	63	61	60	58	58	57	56
2	59	56	53	51	53	51	50
3	56	52	48	46	49	47	45
4	52	48	44	41	46	43	40
5	49	44	40	37	42	39	37
6	46	41	37	34	39	36	34
7	44	38	34	31	36	33	31
8	41	35	32	29	34	31	29
9	39	33	29	27	32	29	27
10	37	31	27	25	30	27	25

RR20609

100 WATT

EFFICIENCY = 56.3%



WALL > --- 0° S/MH 0.5
--- 90° S/MH 0.9
--- 180° S/MH 0.7

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	1016	1016	1016	1016	1016
5	935	946	970	945	917
15	547	695	752	670	641
25	358	473	602	622	612
35	248	312	445	442	458
45	138	149	146	138	137
55	101	69	15	11	11
65	65	48	20	30	36
75	13	9	0	0	7
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION							
RF	20						
	80			50			
RC	70	50	30	10	50	30	10
1	63	61	60	58	58	57	56
2	59	56	53	51	53	51	50
3	56	52	48	46	49	47	45
4	52	48	44	41	46	43	40
5	49	44	40	37	42	39	37
6	46	41	37	34	39	36	34
7	44	38	34	31	36	33	31
8	41	35	32	29	34	31	29
9	39	33	29	27	32	29	27
10	37	31	27	25	30	27	25

Estimated Multipliers

- 16 Champagne Gold Alzak®: CP x .88
- 63 Dune Alzak: CP x .90
- 89 Wheat Alzak: CP x .88
- 70 SofTex Clear: CP x .80
- 71 SofTex Dune: CP x .81
- 90 SofTex Champagne Gold: CP x .84
- 91 SofTex Wheat: CP x .80
- 93 Pewter Alzak: CP x .85

Options

- 16 Champagne Gold specular Alzak self-flanged inner reflector. (CP x .83)
- 31 White flange (only) on self-flanged inner reflector.
- 32 Trim extender. Broadens trim flange O.D. by 1" to cover larger ceiling opening.
- 45 Gasket above inner reflector flange. Stops dust streaks on ceiling.
- 58 277/120V stepdown transformer for 277 volt line input, prewired into fixture.
- 63 Dune specular Alzak self-flanged inner reflector. (CP x .90)
- 69 Wheat specular Alzak self-flanged inner reflector. (CP x .88)
- 70 SofTex Clear softly etched self-flanged inner reflector. Resists smudges. (CP x .90)
- 71 SofTex Dune softly etched self-flanged inner reflector. Resists smudges. (CP x .81)
- 79 Extension collar for up to 2" thick ceilings.
- 90 SofTex Champagne Gold softly etched self-flanged inner reflector. Resists smudges. (CP x .84)
- 91 SofTex Wheat softly etched self-flanged inner reflector. Resists smudges. (CP x .80)
- 93 Pewter specular Alzak self-flanged inner reflector. (CP x .85)
- 94 Custom color/finish self-flanged inner reflector. Consult factory.
- 99 Special modification. Consult factory.
- DW Double wall wash. 180° opposite.
- MR Converted to non-ferrous construction for MRI use.

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, ETC., IS 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 offices of manufacturer within the 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 fixture placed in other warranties expressed or implied. Seller does not warrant as to merchantability or fitness for a particular use, nor liability of statement constitute a warranty or amend the specific warranty. Abnormal use, abuse of the fixture, improper installation, or repair or modification of the fixture without prior written authorization from the manufacturer will void the warranty.