

## Type IC Open Wall Wash for 100 Watt A-Lamp

### Features

#### Lamp / Socket

- Designed for:
  - RR20444: Vertical 100 watt (max.) A-17 inside frosted incandescent lamp (by others).
  - RR20645: Vertical 100 watt (max.) A-19 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.
- 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

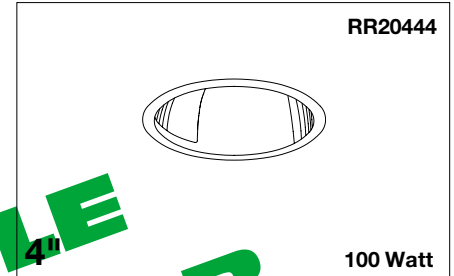
- Wet, damp or dry locations, covered ceilings.
- Through-branch circuit conductors (6 #12 AWG 90°C).
- Type IC - Approved for direct contact with insulation.

#### Three Year Limited Warranty

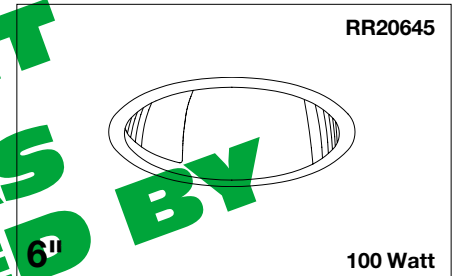
- Complete standard fixture.

#### Thermal Protection (Per Current NEC)

- Thermal protector included which provides automatic cut-off if rated wattage is exceeded.

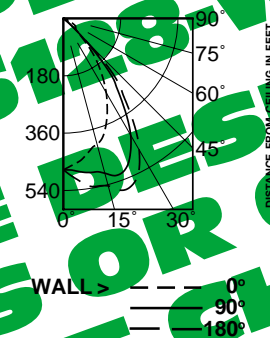
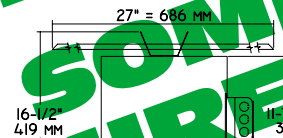
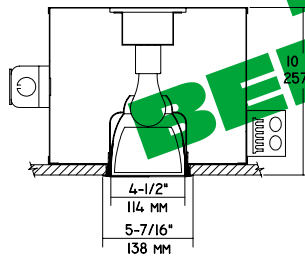


**Dramatic Wall Washing**  
**Dimmable**  
**9 Optional Reflector Finishes**



### Performance at a Glance

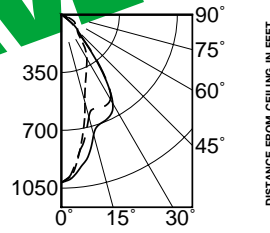
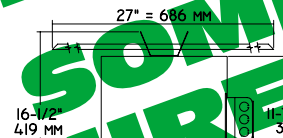
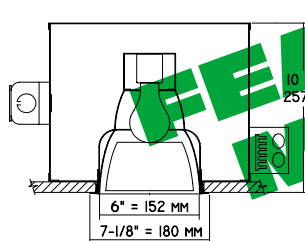
RR20444



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	4.06	3.93	4.95	3.46	3.17	3.46
2	3.13	2.71	1.74	1.05	0.68	6.47	6.47	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	5.65	4.83	5.66
4	4.46	2.05	2.61	1.21	0.75	6.26	9.20	8.23	6.94	6.77	6.94
5	3.93	3.75	3.05	2.11	1.00	9.57	9.25	9.57	6.98	7.67	6.98
6	3.26	3.13	2.74	2.14	1.54	6.99	9.07	8.32	7.30	7.12	7.30
7	2.65	2.58	2.34	1.97	1.51	6.38	8.53	8.32	6.70	6.67	6.70
8	2.19	2.15	2.01	1.76	1.43	7.58	7.85	7.88	6.18	6.35	6.18
9	1.88	1.86	1.77	1.62	1.43	8.55	7.47	7.35	5.88	5.95	5.88

RR20444

RR20645



DISTANCE FROM CEILING IN FEET	SINGLE FIXTURE				MULTIPLE FIXTURES						
	1'	2'	3'	4'	3' CENTERS	4' CENTERS	3' CENTERS	4' CENTERS			
1	2.76	2.26	1.72	0.99	0.81	6.5	6.3	6.5	5.62	4.82	5.62
2	6.46	5.50	3.55	1.96	1.06	12.2	12.0	12.2	9.87	9.12	9.87
3	5.51	5.07	3.48	1.99	1.30	11.5	12.4	11.5	9.47	9.22	9.47
4	5.32	4.79	3.48	2.50	1.45	12.4	11.7	12.4	9.66	9.25	9.66
5	4.74	4.56	3.78	2.44	1.73	11.8	12.8	11.8	9.62	9.98	9.62
6	3.78	3.72	3.51	2.73	1.82	11.9	11.6	11.9	8.85	9.89	8.85
7	3.11	3.08	2.98	2.64	2.09	11.1	11.2	11.1	8.94	8.86	8.94
8	2.65	2.65	2.55	2.38	2.13	10.4	10.7	10.4	8.62	8.19	8.62
9	2.40	2.38	2.30	2.18	2.05	10.1	10.3	10.1	8.15	8.17	8.15

RR20645

## THE KIRLIN COMPANY

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### NEW MILLENNIUM

TUNGSTEN HALOGEN and  
INCANDESCENT LIGHTING

LAMP

A-17  
A-19

MAXIMUM WATTAGE

100  
100

CATALOG NUMBERS

RR20444  
RR20645

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

Alzak® is a registered trademark of ALCOA.

RR20444

RR20645

RECESSED ROUND: 100 WATT (MAX.) A-17/A-19 INCANDESCENT TYPE IC WALL WASH

KIRLIN

Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO) RR20444: TEST NUMBER 47263  
RR20645: TEST NUMBER 47277

RR20444 100W

CANDLEPOWER DISTRIBUTION

COEFFICIENTS OF UTILIZATION

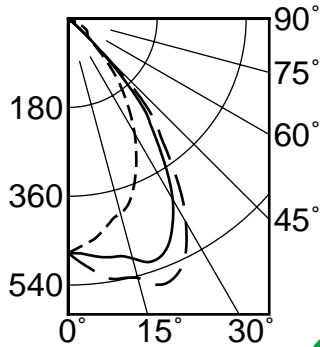


Table with 5 columns (0.0, 45.0, 90.0, 135.0, 180.0) and 10 rows (0, 5, 15, 25, 35, 45, 55, 65, 75, 85) of candlepower values.

Table of Coefficients of Utilization with columns for RF, RC, RW and rows for 20, 80, 50, 10, 50, 30, 10.

WALL > --- 0°  
--- 90°  
--- 180°  
EFFICIENCY = 40.4%

RR20645 100W

CANDLEPOWER DISTRIBUTION

COEFFICIENTS OF UTILIZATION

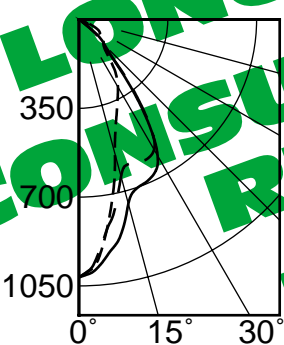


Table with 5 columns (0.0, 45.0, 90.0, 135.0, 180.0) and 10 rows (0, 5, 15, 25, 35, 45, 55, 65, 75, 85) of candlepower values.

Table of Coefficients of Utilization with columns for RF, RC, RW and rows for 20, 80, 50, 10, 50, 30, 10.

WALL > --- 0°  
--- 90°  
--- 180°  
EFFICIENCY = 56.3%

Estimated Multipliers

- 16 Champagne Gold Alzak®: CP x .93
-63 Dune Alzak: CP x .90
-69 Wheat Alzak: CP x .88
-70 SofTex Clear: CP x .90
-71 SofTex Dune: CP x .81
-80 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 .93)
-31 White flange (only) on self-flanged 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.
-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.

SUBMITTAL DATA

APPROVAL STAMP

Form fields for JOB NAME, TYPE, WATTAGE, VOLTAGE, CATALOG NUMBER.

LIMITED WARRANTY: CATALOGUED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THE YEARS FROM DATE OF PURCHASE. INSTALLATION, NORMAL USE, MANUFACTURER AT HIS OPTION WILL REPAIR OR REPLACE SUCH FIXTURE OR RETURN THE PURCHASE PRICE ON PRESENTATION OF PROOF OF PURCHASE AND DEFECTIVE FIXTURE AT THE OFFICE OF MANUFACTURER WITHIN THE YEARS OF ORIGINAL INVENTORY. LIABILITY OF MANUFACTURER FOR 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 EXCLUSIVE PLACE OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. SELLER DOES NOT WARRANT AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. NOW: WILLIAMS OR STATEMENT CONTAINED HEREIN. MANUFACTURER WILL STANDBY THE WARRANTY ONLY.

RR20444 IS NO LONGER AVAILABLE FOR RR20645 HAS BEEN REPLACED BY RR206128 (NEW) SOME DESIGNATIONS MAY HAVE CHANGED