

# Ellipsoidal Wall Wash / Directional Tilt-and-Swivel Highlighting

### Features

#### Lamp

- Designed for: 175 watt coated E/ED-17 universal burn.
- See Option -43 for optional lower wattage.
- Option -23 for Mercury, Option -24 for HPS.

#### Socket

- Medium base. Glazed porcelain.
- Nickel-plated brass screw shell. Silicone leads.

#### Reflectors

- Upper: Specular Alzak® aluminum.  
RR50715: Compound curved.  
RR50716: Compound ellipsoidal. Assembly swivels 358° and tilts up to 30°.
- Lower:  
RR50715: Self-flanged specular Alzak.  
RR50716: Matte black parabolic self-flanged with white trim.

#### Lens

- UV absorbing tempered prismatic glass mounted to lower (RR50715) or upper (RR50716) reflector.

#### Ballast Assembly

- Whisper Pack™ fully encapsulated 180°C rated HPF ballast. Capacitor supplied.
- Premium Class H; CWA with 10:10 regulation.
- 120 volt standard or see optional voltages.
- Cool, quiet, long-life. Silicone leads.
- Visible and easily serviced in all ceilings including dry wall.

#### Fuse

- Fused primary. Renewable. Aids servicing.

#### Housing

- Acrylic enameled aluminum.
- Cool: Dissipates heat across entire surface area.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- Entire luminaire serviced through removable reflector.
- Built-in plaster frame.

#### Outlet Box

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

#### Installation

- 27" galvanized channel bar hangers supplied (2).
- Fully adjustable universal mounting brackets supplied (2).
- Recesses indoor or outdoor in covered locations.

#### UL, C-UL (Canada) Listings

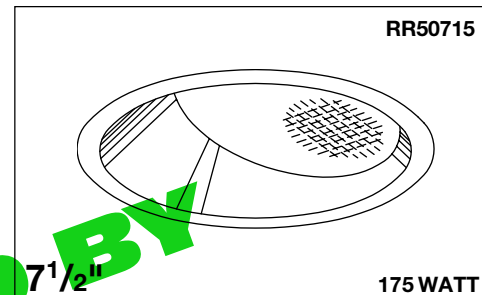
- Wet, damp or dry locations, covered ceilings.
- Through-branch circuit conductors (6#12)

#### Three Year Limited Warranty

- Complete standard fixture.

#### Thermal Protection

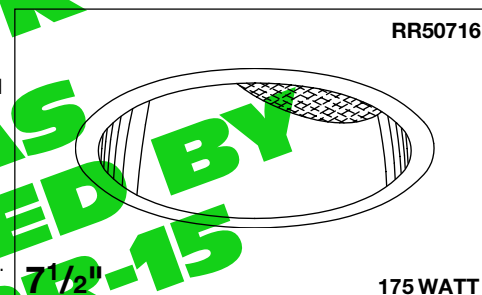
- Per current NEC.



RR50715

175 WATT

Lensed Wall Wash



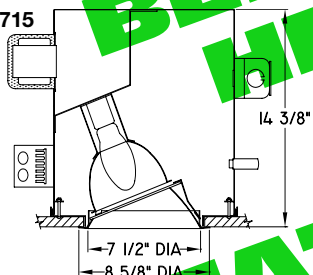
RR50716

175 WATT

Directional Highlighting

### Performance at a Glance

RR50715



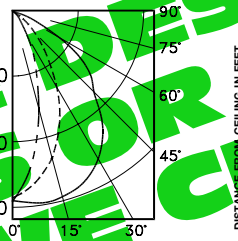
WALL >

RR50715

0° 2000

90° 4000

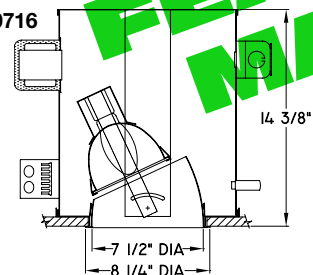
180° 6000



DISTANCE FROM CEILING IN FEET	SINGLE FIXTURE				MULTIPLE FIXTURES			
	1'	2'	3'	4'	3' CENTERS	4' CENTERS	4' CENTERS	4' CENTERS
FITURE INSTALLED 3" FROM WALL Footcandle Distribution on Wall Surface								
1	33.6	43.2	5.0	4.3	4.3	53.6	28.4	52.5
2	17.0	124.0	50.1	12.6	5.5	206.0	187.0	206.0
3	17.9	153.0	92.8	41.3	16.8	273.0	278.0	274.0
4	12.7	120.0	84.4	58.5	26.2	238.0	254.0	241.0
5	77.9	81.9	66.7	45.0	28.1	185.0	205.0	191.0
6	53.3	56.6	49.7	37.8	26.3	148.0	161.0	155.0
7	39.1	40.8	37.3	30.8	23.4	121.0	129.0	127.0
8	29.0	29.8	27.9	24.5	20.0	98.0	104.0	103.0
9	23.0	23.5	22.3	20.3	17.2	82.3	86.9	87.0

RR50715

RR50716



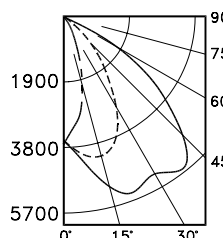
WALL >

RR50716

0° 1900

90° 3800

180° 5700



OBJECT >

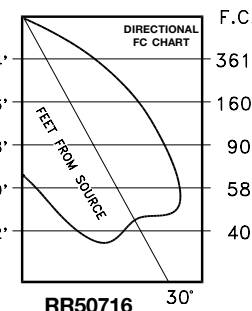
RR50716

0°

90°

180°

30°



RR50716

## THE KIRLIN COMPANY

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HIGH EFFICIENCY  
METAL HALIDE LIGHTING

LAMP  
E/ED-17  
E/ED-17

WATTAGE  
175  
175

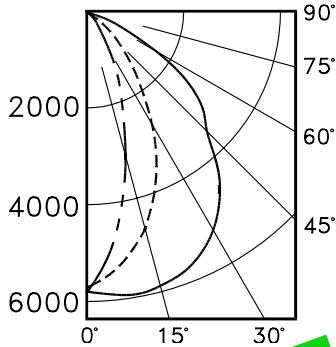
CATALOG NUMBERS  
RR50715  
RR50716

Detailed Photometry - Installed Fixture

RR50715

CANDLEPOWER DISTRIBUTION

COEFFICIENTS OF UTILIZATION



	0.0	45.0	90.0	135.0	180.0
0	5754	5754	5754	5754	5754
5	5909	5816	5588	5329	5133
15	5913	5578	4752	3733	3105
25	5511	4969	3527	2114	1520
35	4795	4128	2268	986	702
45	3927	2950	1167	457	277
55	2606	1589	460	182	120
65	1183	601	148	35	0
75	263	102	23	5	0
85	14	9	5	5	0
90	0	0	0	0	0

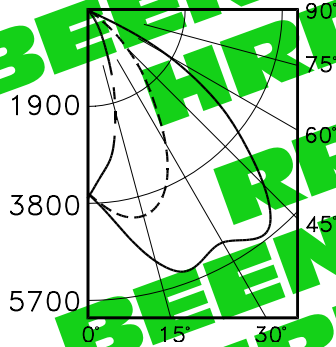
RF	20						
	80			50			
	70	50	30	10	50	30	10
1	56	55	53	53	51	50	49
2	53	49	47	45	47	45	43
3	49	45	42	39	43	40	38
4	46	41	37	35	39	36	34
5	43	37	34	31	36	33	30
6	40	34	30	28	33	30	27
7	37	32	28	25	30	27	25
8	35	29	26	23	28	25	23
9	33	27	24	21	26	23	21
10	31	25	22	20	25	22	19

WALL >   
 --- 0°   
 --- 90°   
 --- 180°   
 EFFICIENCY = 50.4%

RR50716

CANDLEPOWER DISTRIBUTION

COEFFICIENTS OF UTILIZATION



	0.0	45.0	90.0	135.0	180.0
0	3831	3831	3831	3831	3831
5	4089	4235	4089	3719	3384
15	5411	5472	4441	3341	2250
25	5686	5832	3865	1623	858
35	5858	5222	2362	550	241
45	5240	3754	1125	155	69
55	3401	1984	249	34	0
65	1254	258	17	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

RF	20						
	80			50			
	70	50	30	10	50	30	10
1	62	60	59	57	57	56	55
2	59	56	53	51	53	51	49
3	55	51	48	45	49	46	44
4	52	47	43	41	45	42	40
5	48	43	39	37	41	38	36
6	45	39	36	33	38	35	32
7	42	36	32	29	35	31	29
8	39	33	29	26	32	28	26
9	36	30	26	24	29	26	23
10	34	28	24	21	27	23	21

OBJECT >   
 --- 0°   
 --- 90°   
 --- 180°   
 EFFICIENCY = 55.2%

Estimated Multipliers

- 16 Champagne Gold Alzak®: CP x .95 (RR50715)
- 18 Champagne Gold Alzak: CP x 1.25 (RR50716)
- 62 Clear Alzak: CP x 1.15 (RR50716)
- 72 Black Alzak: CP x 1.00 (RR50716)
- 93 Umber Alzak: CP x .75 (RR50715)
- 92 Umber alzak: CP x 1.05 (RR50716)
- 99 Pewter Alzak: CP x .90 (RR50715)
- 93 Pewter Alzak: CP x 1.07 (RR50716)

Options

- 16 Champagne Gold anodized Alzak lower reflector. (RR50715: CP x .95; RR50716: CP x 1.09)
- 23 Mercury ballast instead. 100ME standard or see Option -43. Specify voltage.
- 24 HPS ballast instead. 150ME standard or see Option -43. Specify voltage.
- 29 White Son ballast instead. For ED-17 medium base lamp. 100 watt standard in 120 volt only. Consult factory for 277 volt.
- 31 White reflector flange for RR50715 only.
- 43 Lower wattage medium base- specify voltage and wattage for: Metal Halide: 150, 100, 70, 50; Mercury: 75, 50; HPS: 100, 70, 50, 35; White Son: 50.
- 45 Gasket above reflector flange. Stops dust streaks on ceiling.
- 49 Extra DCB socket. (100 watt max.) Must not be energized simultaneously with main source.
- 58 277 volt 60 Hz. ballast instead.
- 62 Clear specular Alzak lower reflector, self-flanged, for RR50716 only. (CP x 1.15)
- 65 Relay and DCB socket (100 watt max.) With fixture energized, provides immediate light during HID outage. Also see Option -66.
- 66 Time delay relay and DCB socket. (100 watt max.) When energized, provides light until HID reaches 70% output.
- 72 Black anodized Alzak lower reflector, self-flanged, for RR50716 only. (CP x 1.00)
- 92 Umber anodized Alzak lower reflector, self-flanged. (RR50715: CP x .75; RR50716: CP x 1.05)
- 93 Pewter anodized Alzak lower reflector, self-flanged. (RR50715: CP x .86; RR50716: CP x 1.07)
- 94 Custom color self-flanged lower reflector. Consult factory.
- 97 Other voltage ballasts. Consult factory.
- 99 Special modification. Consult factory.
- LP With lamp. Specify source, wattage, color temperature, and clear or coated (3200°K standard for MH.) Consult factory for other color temperatures.
- LS With tungsten halogen standby lamp. (100 watt max.) Use only with Options -49, -65 or -66.

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME \_\_\_\_\_

TYPE \_\_\_\_\_

WATTAGE \_\_\_\_\_ VOLTAGE \_\_\_\_\_

CATALOG NUMBER \_\_\_\_\_

RR50715 HAS BEEN REPLACED BY RR50716  
 RR50716 HAS BEEN REPLACED BY RR50715  
 SOFT COPY DESIGN IS ALWAYS TO BE CHANGED

LIMITED WARRANTY: CATALOGUED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLATION TO BE COMPLETED BY AN INDIVIDUAL WHOSE BUSINESS IT IS TO MAINTAIN AND REPAIR LIGHTING FIXTURES. THE PURCHASER'S OBLIGATION IS TO MAINTAIN AND REPAIR LIGHTING FIXTURES. THE MANUFACTURER'S WARRANTY DOES NOT COVER DAMAGE TO THE FIXTURES CAUSED BY IMPROPER INSTALLATION, REPAIR, OR MODIFICATION OF THE FIXTURE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE MANUFACTURER. THIS WARRANTY IS VOID IF THE FIXTURE IS USED IN A MANNER NOT INTENDED BY THE MANUFACTURER.