

6" and 8" Regressed Lens: Streamlined Depth

Features

Lamp / Socket

- Designed for:
Horizontal 150 watt (max.) A-21 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.
- Optional: Anopal, poly or fresnel lens; white
flange trim, flat trim or eggcrate fouver.

Housing

- Acrylic enameled 100% aluminum.
- Rustproof: Exceeds 1000 hour ASTM 5%
salt spray test.
- 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" fathens channel or 1/2" T.S.
conduit.
- Recesses indoor or outdoor in covered
ceilings.

UL, C-UL (Canada) Listings

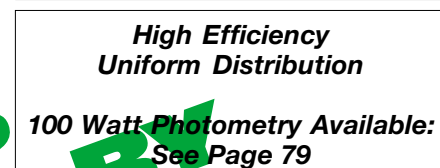
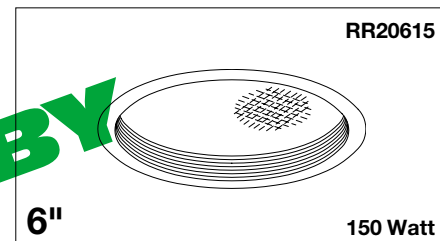
- Wet, damp or dry locations, covered ceilings.
- Through-branch circuit conductors (6 #12
AWG 90°C).

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)

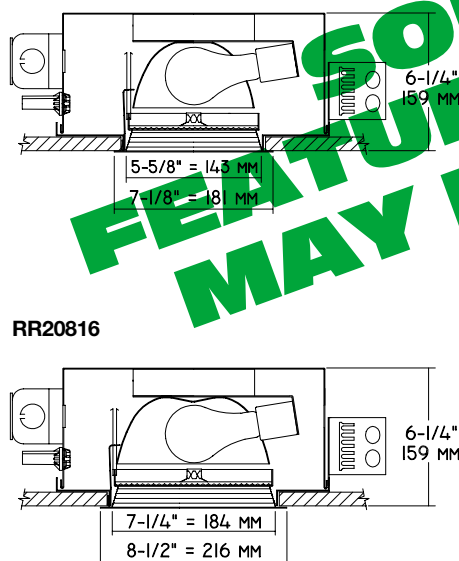


**High Efficiency
Uniform Distribution**

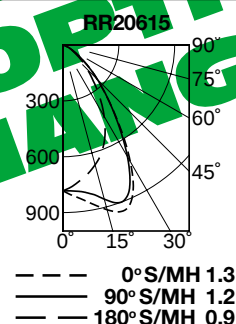
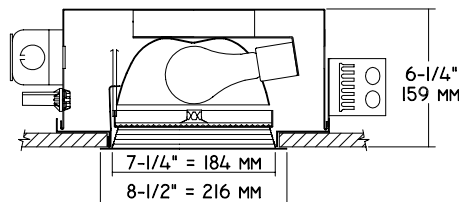
**100 Watt Photometry Available:
See Page 79**

Performance at a Glance

RR20615



RR20816

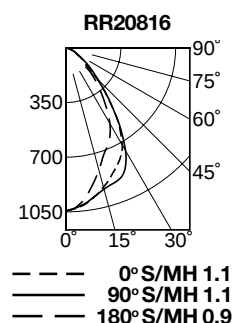


Cone of Light*

Ft.	FC	Dia.
6	21.8	7.2
8	12.2	9.6
10	7.8	12.0
12	5.4	14.4
14	4.0	16.8
16	3.1	19.2

Cone of Light Key

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



Cone of Light*

Ft.	FC	Dia.
6	29.0	6.4
8	16.3	8.6
10	10.4	10.7
12	7.3	12.9
14	5.3	15.0
16	4.1	17.2

* 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

A-21
A-21

MAXIMUM WATTAGE

150
150

CATALOG NUMBERS

RR20615
RR20816

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

Alzak® is a registered trademark of ALCOA.

RR20615
RR20816

RECESSED ROUND: 150 A-21 (MAX.) INCANDESCENT DOWNLIGHTS

KIRLIN

Detailed Photometry - Installed Fixture

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

RR20615 (150W): TEST NUMBER 47287

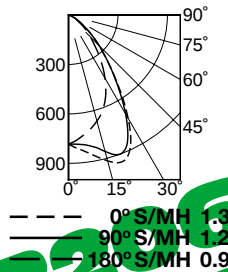
RR20615 (100W): TEST NUMBER 47285

RR20816 (150W): TEST NUMBER 46994

RR20615

150 WATT

EFFICIENCY = 45.7%



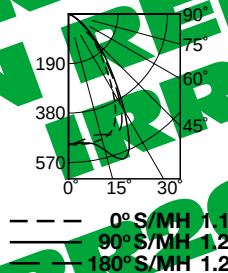
CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	783	783	783	783	783
5	819	809	789	764	751
15	916	905	857	775	666
25	886	904	847	689	634
35	830	870	817	635	546
45	759	786	722	581	497
55	671	696	622	504	427
65	575	598	524	427	358
75	471	492	418	358	299
85	358	379	305	256	207
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION					
RF	20				
RC	70	50	30	10	0
1	51	50	48	47	46
2	48	45	43	41	40
3	45	41	39	36	37
4	42	38	35	33	34
5	39	35	32	29	31
6	37	32	29	26	28
7	35	30	26	24	26
8	33	27	24	22	24
9	31	26	22	20	22
10	29	24	21	19	21

RR20615

100 WATT

EFFICIENCY = 46.0%



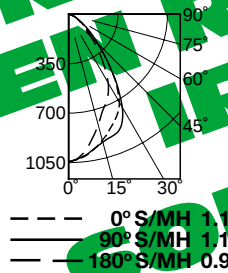
CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
5	500	500	500	500	500
15	503	502	497	492	490
25	497	544	541	499	479
35	427	507	551	510	477
45	247	297	311	318	294
55	229	238	189	142	143
65	155	153	66	64	62
75	11	23	23	21	20
85	4	4	4	4	4
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION					
RF	20				
RC	70	50	30	10	0
1	52	50	49	48	46
2	49	46	44	42	42
3	45	42	39	37	40
4	43	39	35	33	37
5	40	35	32	30	34
6	37	33	29	27	31
7	35	30	27	25	29
8	33	28	25	22	27
9	31	26	23	21	25
10	29	24	21	19	24

RR20816

150 WATT

EFFICIENCY = 52.6%



CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
5	1044	1044	1044	1044	1044
15	1021	1031	1017	1012	1004
25	923	966	937	861	870
35	801	921	877	754	632
45	581	599	588	486	434
55	292	297	281	252	222
65	135	142	138	127	109
75	55	60	59	61	62
85	13	18	21	20	19
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION					
RF	20				
RC	70	50	30	10	0
1	59	57	55	54	53
2	55	52	49	47	45
3	51	47	44	41	42
4	48	43	39	37	41
5	45	39	36	33	38
6	42	36	32	30	35
7	39	33	30	27	32
8	37	31	27	25	30
9	35	29	25	23	28
10	33	27	23	21	26

Options

- 18 Anopal 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. 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.

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME _____

TYPE _____

WATTAGE _____ VOLTAGE _____

CATALOG NUMBER _____