

Ultra Low Brightness Parabolic Downlights Uniform Illumination Indoors or Outdoors

Features

Lamp

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

Socket

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

Reflectors

- Upper: Ellipsoidal specular Alzak® aluminum.
- Lower: Low brightness parabolic specular Alzak aluminum, self-flanged.
- Eleven optional lower reflector finishes available.

Lens

- UV absorbing clear tempered glass mounted to upper reflector.

Ballast Assembly

- WhisperPack™ fully encapsulated 180°C rated HPF ballast.
- Premium Class H; CWA 10:10 regulation.
- Capacitor supplied.
- 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. Ventilated.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- Entire luminaire serviced through removable reflector. For top access see Option -TA.
- Built-in plaster frame.

Outlet Box

- Prewired 14 GA (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 mounting brackets supplied (2).
- Recesses indoor or outdoor in covered locations.

UL, C-UL (Canada) Listings

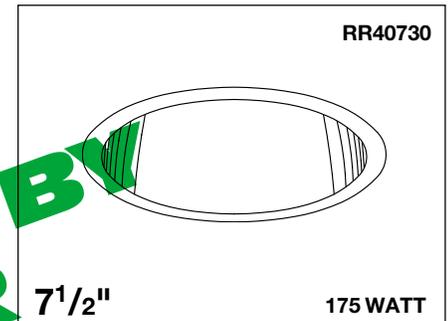
- Wet, damp or dry locations, covered ceilings.
- Through-branch circuit conductors (6 #12).

Three Year Limited Warranty

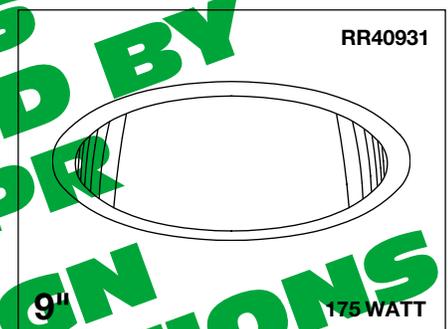
- Complete standard fixture.

Thermal Protection

- Per current NEC.

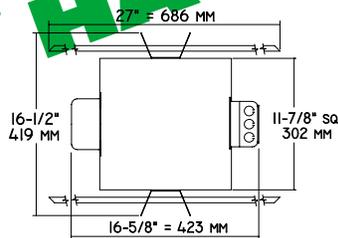
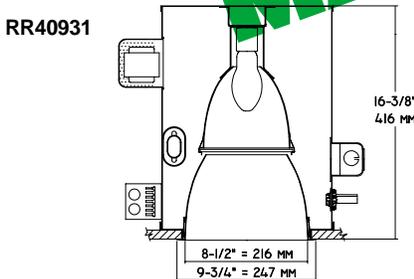
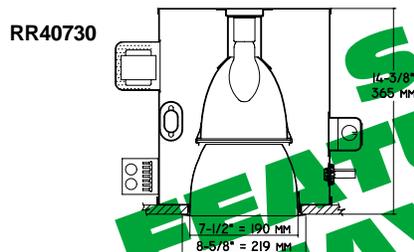


RR40730
7 1/2" 175 WATT
Superior Optical Cut-Off
12 Reflector Finishes Available



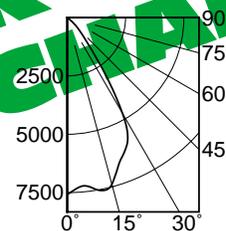
RR40931
9" 175 WATT

Performance at a Glance



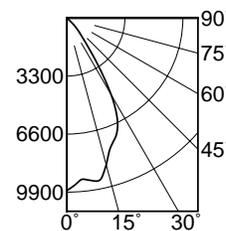
Cone of Light Key

- Ft. Distance from fixture
 - FC Footcandles (average)
 - Dia. Circle of light at 50% of FC
- * Dia. (in ft.) shown is where FC value is half the FC at nadir.



RR40730 S/MH 0.9

Cone of Light*		
Ft.	FC	Dia.
6	210.5	6.3
8	118.4	8.5
10	75.8	10.6
12	52.6	12.7
14	38.7	14.8
16	29.6	16.9



RR40931 S/MH 0.9

Cone of Light*		
Ft.	FC	Dia.
6	272.4	5.7
8	153.3	7.6
10	98.1	9.6
12	68.1	11.5
14	50.0	13.4
16	38.3	15.3

THE KIRLIN COMPANY

3401 EAST JEFFERSON AVENUE • DETROIT, MICHIGAN 48207-4232
(313) 259-6400 • Fax: (313) 259-9409 OR (313) 259-3121

HIGH EFFICIENCY
METAL HALIDE LIGHTING

LAMP
E/ED-17
E/ED-17

MAXIMUM WATTAGE

175
175

CATALOG NUMBERS

RR40730
RR40931

Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO) RR40730: TEST NUMBER 47525
RR40931: TEST NUMBER 47685

RR40730

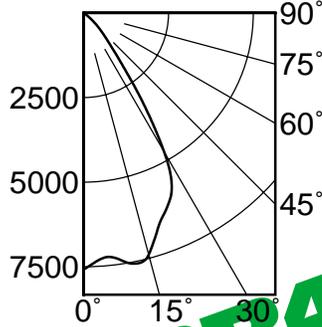
*LER = 33.6
•AEC = \$7.14

CANDLEPOWER DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	7578	7578	7578	7578	7578
5	7250	7250	7250	7250	7250
15	7397	7397	7397	7397	7397
25	6041	6041	6041	6041	6041
35	2440	2440	2440	2440	2440
45	632	632	632	632	632
55	0	0	0	0	0
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION

RF	20						
	80			50			
	70	50	30	10	50	30	10
RC							
RW							
1	62	60	59	58	57	56	55
2	59	56	54	52	53	52	50
3	56	52	50	47	50	48	46
4	53	49	46	44	47	45	43
5	50	46	42	40	44	42	40
6	48	43	40	37	42	39	37
7	45	40	37	35	39	36	34
8	43	38	35	32	37	34	32
9	41	36	32	30	35	32	30
10	39	34	30	28	33	30	28



S/MH 0.9
EFFICIENCY = 54.3%

RR40931

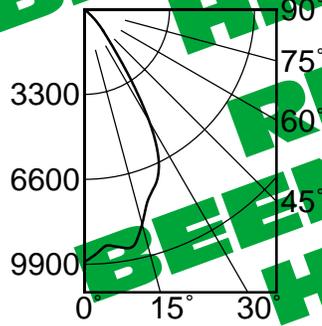
*LER = 37.4
•AEC = \$6.41

CANDLEPOWER DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	9808	9808	9808	9808	9808
5	9229	9229	9229	9229	9229
15	8634	8634	8634	8634	8634
25	6824	6824	6824	6824	6824
35	2528	2528	2528	2528	2528
45	604	604	604	604	604
55	0	0	0	0	0
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION

RF	20						
	80			50			
	70	50	30	10	50	30	10
RC							
RW							
1	69	67	66	64	63	62	61
2	65	63	60	58	60	58	56
3	62	59	56	53	56	54	52
4	59	55	52	49	53	50	48
5	56	51	48	46	50	47	45
6	54	48	45	42	47	44	42
7	51	46	42	40	44	41	39
8	49	43	39	37	42	39	37
9	46	41	37	35	40	37	35
10	44	38	35	33	38	35	33



S/MH 0.9
EFFICIENCY = 60.5%

Options

- 16 Champagne Gold Alzak lower cone. (CP x .95)
- 23 Mercury ballast instead. 100ME or see -43.
- 24 HPS ballast instead. 150ME or see Option -43.
- 30 White lower cone, self-flanged. (CP x .95)
- 31 White flange (only) on Alzak lower cone.
- 32 Trim extender. Broadens trim flange O.D. by 1".
- 43 Lower wattage medium base - specify: Metal Halide: 150, 100, 70, 50, 35; Mercury: 75, 50; HPS: 100, 70, 50, 35.
- 45 Gasket above reflector flange.
- 49 Extra circuit DCB socket (100W max.) Must not be energized simultaneously with main source.
- 58 277 volt 60 Hz. ballast instead.
- 63 Dune specular Alzak self-flanged lower cone. (CP x .93)
- 65 Standby relay and DCB socket. (100W max.)

- 66 With fixture energized, provides immediate light during HID outage. Also see Option -66.
- 66 Time delay standby relay and DCB socket. (100 watt max.) When energized, provides light until HID reaches 70% output.
- 69 Wheat specular Alzak self-flanged lower cone. (CP x .92)
- 70 Softex Clear softly etched self-flanged lower cone. (CP x .92)
- 71 Softex Dune softly etched self-flanged lower cone. (CP x .89)
- 72 Black anodized Alzak lower cone. (CP x .75)
- 79 Extension collar for up to 2" thick ceilings.
- 82 Sloped ceiling adapter with mounting hardware. Specify 5° increments up to 30°.
- 90 Softex Champagne Gold softly etched self-flanged lower cone. (CP x .90)
- 91 Softex Wheat softly etched self-flanged lower

- cone. (CP x .88)
- 93 Pewter anodized Alzak lower cone. (CP x .90)
- 94 Custom color lower cone. Consult factory.
- 97 Other voltage ballast. Consult factory.
- 99 Special modification. Consult factory.
- HL High to Low light output - provides 100% to 50% bi-level lighting for energy savings and adjustable light levels. 120 or 277V only for 175W MH or 150 HPS only. Requires separate control circuit.
- LP With coated lamp. Specify source, wattage and color temperature (3200°K standard for coated MH.) Consult factory for other °K.
- LS With tungsten halogen standby lamp. (100W max.) Use only with Options -49, -65 or -66.
- OG OptiGroove black seamless tapered aluminum lower cone. White trim, self-flanged. (CP x .75)
- TA Top access modification for servicing from above ceiling.

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 office of manufacturer within the first 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 fixture placed at other than the office of manufacturer, 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. Abandon use, misuse of the fixture, improper installation, or repair, or modification of the fixture without prior written authorization from the manufacturer will void the warranty.