

Shallow Depth: Horizontal Lamp

Features

Lamp

- Designed for 100 watt coated E/ED-17.
- See Option -43 for optional lower wattage.
- Option -23 for Mercury, Option -24 for HPS, Option -29 for White Son.

Socket

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

Reflectors

- Upper: Specular Alzak® aluminum.
- Lower: Low brightness parabolic specular Alzak (or Softex optional) aluminum, self-flanged.

Lens

- UV absorbing tempered prismatic glass mounted to upper reflector.
- Optional UV absorbing clear tempered glass (Option -28).

Ballast Assembly

- Whisper Pack™ fully encapsulated 180°C rated HPF ballast.
- Premium Class H high reactance; 5:12 regulation.

- Capacitor and ignitor 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

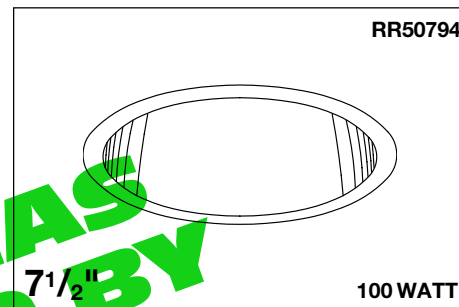
- Acrylic enameled aluminum.
- Cool: Dissipates heat across entire surface area.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- Entire luminaire serviced through removable reflector.
- Built-in plaster frame.

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).



Open Appearance Reflector
Many Optional Colors

- Fully adjustable universal mounting brackets supplied (2).
- 2" deep collar provides for installation in thicker ceilings.
- 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

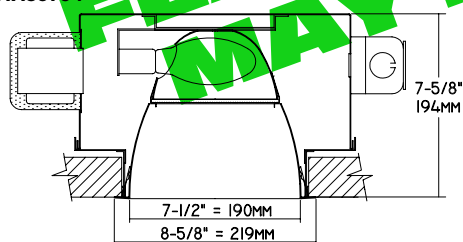
- Complete standard fixture.

Thermal Protection

- Per current NEC.

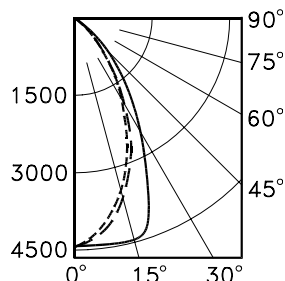
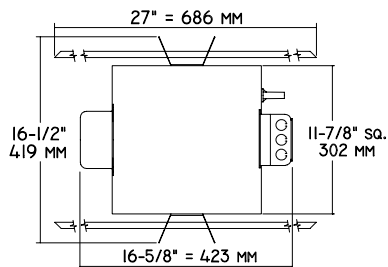
Performance at a Glance

RR50794



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. Distribution curves and S/MH data shown are 90° to lamp axis.

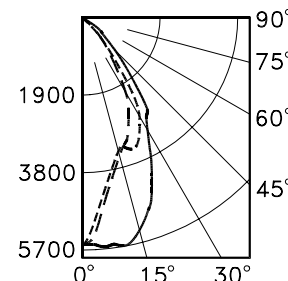


RR50794
--- 0° S/MH 0.8
— 90° S/MH 1.0
--- 180° S/MH 0.9

Cone of Light*

Ft.	FC	Dia.
6	122.1	5.4
8	68.7	7.2
10	44.0	9.0
12	30.5	10.8
14	22.4	12.6
16	17.2	14.4

RR50794



RR50794-28
--- 0° S/MH 0.8
— 90° S/MH 1.0
--- 180° S/MH 0.7

Cone of Light*

Ft.	FC	Dia.
6	154.9	4.7
8	87.1	6.3
10	55.8	7.9
12	38.7	9.5
14	28.4	11.1
16	21.8	12.6

RR50794-28

THE KIRLIN COMPANY

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

LAMP

MAXIMUM WATTAGE

CATALOG NUMBERS

HIGH EFFICIENCY
METAL HALIDE LIGHTING

E/ED-17

100

RR50794

DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

RR50794

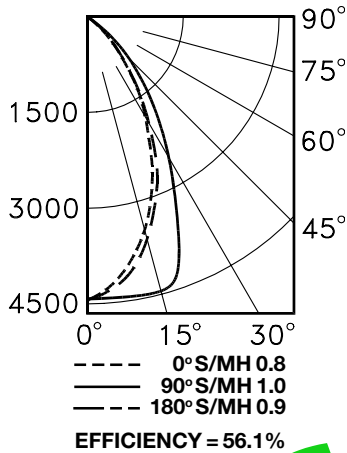
RECESSED ROUND: 100 WATT MEDIUM BASE METAL HALIDE

Detailed Photometry - Installed Fixture

RR50794

CANDLEPOWER DISTRIBUTION

COEFFICIENTS OF UTILIZATION



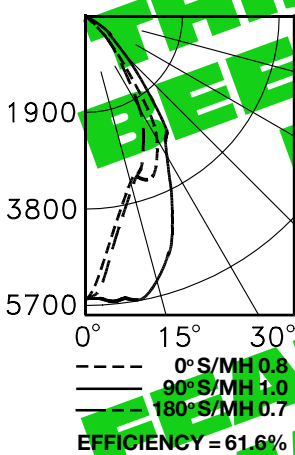
	0.0	45.0	90.0	135.0	180.0
0	4396	4396	4396	4396	4396
5	4270	4333	4421	4381	4300
15	3478	3972	4465	3996	3631
25	2528	2996	3355	2988	2618
35	1390	1615	1855	1591	1414
45	562	670	774	625	545
55	43	56	57	45	41
65	2	3	5	3	2
75	2	2	2	2	2
85	0	0	1	0	0
90	0	0	0	0	0

RF	20					
RC	80			50		
RW	70	50	30	10	50	30
1	64	62	61	59	58	57
2	60	57	55	53	55	53
3	57	53	50	48	51	49
4	54	49	46	44	48	45
5	51	46	43	40	45	42
6	48	43	39	37	42	39
7	46	40	37	34	39	36
8	43	38	34	32	37	34
9	41	35	32	30	35	32
10	39	33	30	28	33	30

RR50794-28

CANDLEPOWER DISTRIBUTION

COEFFICIENTS OF UTILIZATION



	0.0	45.0	90.0	135.0	180.0
0	5575	5575	5575	5575	5575
5	4637	5009	5661	5351	4819
15	3393	4172	5272	4217	3810
25	3249	3024	3888	3100	2757
35	1759	1637	2786	1624	1476
45	332	684	908	562	545
55	52	85	125	75	54
65	4	4	5	4	2
75	0	0	1	1	0
85	0	0	0	0	0
90	0	0	0	0	0

RF	20					
RC	80			50		
RW	70	50	30	10	50	30
1	70	68	66	65	64	62
2	66	63	60	58	60	58
3	63	59	55	53	56	53
4	59	54	51	48	52	49
5	56	51	47	44	49	46
6	53	47	43	41	46	43
7	50	44	40	38	43	40
8	57	41	38	35	40	37
9	56	39	35	33	38	35
10	53	37	33	30	36	33

Estimated Multipliers

-16 Champagne Gold Alzak®: CP x .95
 -30 White finish: CP x .90
 -70 Clear SoftTex: CP x .93

-71 SoftTex Dune: CP x .87
 -72 Black Alzak: CP x .65
 -90 SoftTex Champagne Gold: CP x .90

-91 SoftTex Wheat: CP x .87
 -92 Umber Alzak: CP x .75
 -93 Pewter Alzak: CP x .85
 -OG OptiGroove: CP x .70

Options

- 16 Champagne Gold anodized Alzak lower reflector, self-flanged. (CP x .95)
- 23 Mercury ballast instead. 100ME; or see -43.
- 24 HPS ballast instead. 100ME; or see -43.
- 28 UV absorbing clear tempered glass instead.
- 29 White Son ballast instead. For ED-17 medium base lamp. 100W, 120V. CF for 277V.
- 30 White lower reflector, self-flanged. (CP x .90)
- 31 White flange (only) on Alzak lower reflector.
- 32 Trim extender. Broadens trim flange to cover larger ceiling opening.
- 43 Lower wattage medium base - specify voltage and wattage for: Metal Halide: 70, 50, 35; Mercury: 75, 50ME; HPS: 70, 50, 35.
- 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.
- 65 Standby relay and DCB socket (100 watt max.) 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.
- 70 SoftTex clear lower reflector, self-flanged. (CP x .93)
- 71 SoftTex Dune lower reflector, self-flanged. (CP x .87)
- 72 Black anodized Alzak lower reflector, self-flanged. (CP x .65)
- 82 Sloped ceiling adapter with mounting hardware. Specify 5° increments up to 30°.
- 90 SoftTex Champagne Gold softly etched lower reflector, self-flanged. (CP x .90)
- 91 SoftTex Wheat lower reflector, self-flanged. (CP x .87)

- 92 Umber anodized Alzak lower reflector, self-flanged. (CP x .75)
- 93 Pewter anodized Alzak lower reflector, self-flanged. (CP x .85)
- 94 Custom color self-flanged lower reflector. Consult factory.
- 97 Other voltage ballasts. Consult factory.
- 98 347 volt 60 Hz. ballast instead.
- 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.
- OG OptiGroove black seamless tapered aluminum lower reflector. White trim, self-flanged. (CP x .70)

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME _____

TYPE _____

WATTAGE _____ VOLTAGE _____

CATALOG NUMBER _____