

Recessed Round PAR Lamp
Open Adjustable
39 to 150 Watt

THIS PRODUCT IS NO LONGER AVAILABLE

4" 70W
6" 150W
7" 150W

HRR-04007
HRR-06008
HRR-07009

Features

Lamp

- Designed for metal halide PAR lamps. See chart below for standard and optional lamp wattages.
- See Option -43 and chart below for lower wattage.

Socket Assembly - Open Adjustables

- Swivels 38° and tilts up to 45°.

Socket

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

Reflector

- Self-flanged clear specular Alzak® aluminum optional reflector finish available.
- Thirteen optional reflector finishes available.

Ballast Assembly: Specify Voltage

- Whisper™ fully encapsulated 180°C rated HP ballast.

- Premium Class H: High reactance for 120 volt, line reactor for 240 volt.
- Capacitor and inductor supplied.
- Dimming (-39) and section (-43) ballasts available as options.
- Cool, quiet, long-life. Silicone leads.
- Visible and easily serviced in all ceilings including dry wall.

Fuse

- Fused primary. Renewable. Not for 480 volt.
- 10 amp, 20 amp, 30 amp, 40 amp.
- Cool: Dissipates heat across entire surface.

- Aluminum reflector.
- Must protect recess 180°C hours.

- Entire luminaire serviced through removable reflector. For top access see Option -TA.

- Whisper™ fully encapsulated 180°C rated HP ballast.

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, including ballast.

Thermal Protection

- UL listed.

**Please consult
QUOTATIONS
for the best alternative.**

Wattage / Lamp Availability and Cut-Out Dimensions

Catalog No.	Designed For:			Option -43: Lower Wattage	Ceiling Cut-Out Diameter	Fixture Style
	Standard	Lamp	Optional Lamp(s)			
HRR-04007	70 PAR 30	10° SP	40° MFL	39	5.0"	Open Adjustable
HRR-06008	150 PAR 38	20° SP	35° MFL 65° FL	70-100	6.5"	Open Adjustable
HRR-07009	150 PAR 38	20° SP	35° MFL 65° FL	70-100	8.0"	Open Adjustable

Options

Sources and Ballasts

- 39 Electronic dimming ballast instead, for pulse start metal halide. Consult factory for wattage and voltage availability.
- 96 Regulating electronic MH ballast instead.

Wattage and Voltage

- 43 Lower wattage. See Option -43 chart above for available lower wattages. Specify voltage.
- 120 120 volt, 60 Hz. ballast.
- 277 277 volt, 60 Hz. ballast.
- 347 347 volt, 60 Hz. ballast. Consult factory for dimming or electronic.
- 97 Other voltage ballast instead. Consult factory.

Lamps (See Chart)

- LP With lamp. Choose standard lamp shown above or specify wattage, beam spread, style (PAR 20, PAR 30, PAR 38), brand and color temperature.

Reflectors and Trims (Self-Flanged)

- 16 Champagne Gold specular Alzak reflector. (CP x .98)
- 30 All White reflector. (CP x .98)
- 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 reflector flange. Stops dust streaks on ceiling.
- 63 Dune specular Alzak reflector. (CP x .97)
- 69 Wheat specular Alzak reflector. (CP x .97)
- 70 SoFTex Clear softly etched reflector. Resists smudges. (CP x .98)
- 71 SoFTex Dune softly etched reflector. Resists smudges. (CP x .95)
- 72 Black specular Alzak reflector. (CP x .87)
- 77 SoFTex Pewter softly etched reflector. Resists smudges. (CP x .90)

- 90 SoFTex Champagne Gold softly etched reflector. Resists smudges. (CP x .96)
- 91 SoFTex Wheat softly etched reflector. Resists smudges. (CP x .95)
- 92 Umber specular Alzak reflector. (CP x .92)
- 93 Pewter specular Alzak reflector. (CP x .95)
- 94 Custom color reflector. Consult factory.

Other Options

- 99 Special modification. Consult factory.
- TA Top access modification for servicing from above ceiling.

KIRLIN

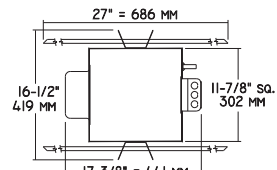
THE KIRLIN COMPANY

3401 EAST JEFFERSON AVENUE • DETROIT, MICHIGAN 48207-4232
(313) 259-6400 • Fax: (313) 259-9409 or (313) 259-3121 • www.kirlinlighting.com

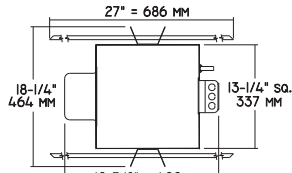
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HRR-04007
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Plan View A



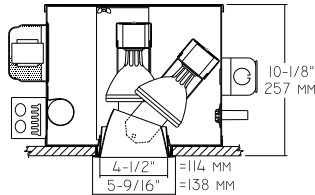
Plan View B

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.

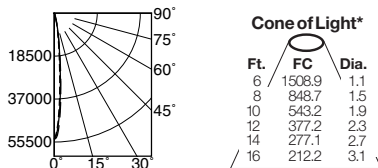
C.U. (Coefficients of Utilization) Tables are available on request. Please contact your Kirlin representative.

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLATION MUST BE IN ACCORDANCE WITH THE KIRLIN INSTALLATION MANUAL. KIRLIN SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO PROPERTY OR PERSONS ARISING FROM THE USE OF KIRLIN FIXTURES. THIS WARRANTY IS LIMITED TO THE ORIGINAL PURCHASER AND DOES NOT COVER THE REPAIR OR REPLACEMENT OF THE FIXTURE OR THE REPAIR OR REPLACEMENT OF THE WIRING OR THE REPAIR OR REPLACEMENT OF THE BALLAST. THIS WARRANTY IS VOID IF THE FIXTURE IS USED IN A MANNER NOT INTENDED BY KIRLIN OR IF THE FIXTURE IS MODIFIED OR REPAIRED BY ANY OTHER PERSON. THIS WARRANTY IS SUPPLIED TO THE BUYER IN PLACE OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. SELLER DOES NOT WARRANT AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE, NOR WILL ANY ORAL STATEMENT CONSTITUTE A WARRANTY OR AMEND THIS SPECIFIC WARRANTY. ABUSE OF THE FIXTURE, IMPROPER INSTALLATION, OR MODIFICATION OF THE FIXTURE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE MANUFACTURER WILL RENDER THE WARRANTY VOID.

HRR-04007 70W (Plan View A)



10° NARROW SPOT

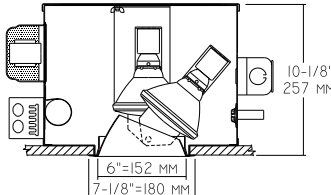


--- 0° S/MH 0.2
--- 90° S/MH 0.2
--- 180° S/MH 0.2

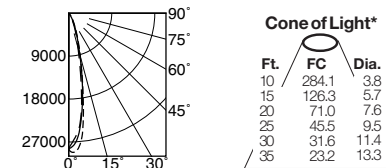
CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	54319	54319	54319	54319	54319
5	27173	28614	30666	31768	32412
15	2794	3339	3481	3612	3623
25	240	437	731	686	524
35	65	65	76	55	44
45	0	0	0	0	0
55	0	0	0	0	0
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

EFFIC: 73.8%
ITL TEST #49886
***LER = 37.8**
***AEC = \$6.35**

HRR-06008 150W (Plan View B)



20° SPOT

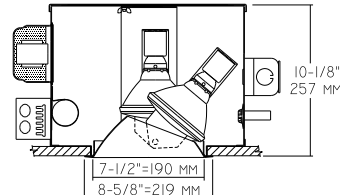


--- 0° S/MH 0.4
--- 90° S/MH 0.4
--- 180° S/MH 0.4

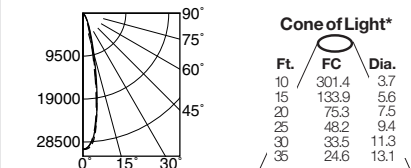
CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	28406	28406	28406	28406	28406
5	27536	26359	25097	24470	24330
15	9309	9161	8921	7767	7496
25	2369	2912	2741	2060	2137
35	1007	852	589	403	310
45	108	92	39	23	15
55	15	15	15	8	8
65	8	8	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

EFFIC: 71.6%
ITL TEST #51191
***LER = 32.4**
***AEC = \$7.42**

HRR-07009 150W (Plan View B)



20° SPOT

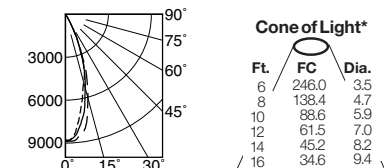


--- 0° S/MH 0.4
--- 90° S/MH 0.4
--- 180° S/MH 0.4

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	30134	30134	30134	30134	30134
5	27954	27652	27288	26839	26979
15	8208	8495	9145	8557	7387
25	2884	2881	2327	2672	2277
35	1084	1115	991	720	542
45	217	186	108	46	31
55	31	23	15	15	15
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

EFFIC: 76.7%
ITL TEST #51193
***LER = 34.7**
***AEC = \$6.92**

40° MEDIUM FLOOD

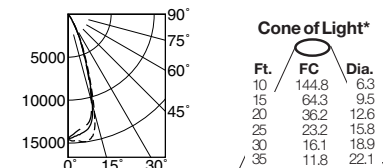


--- 0° S/MH 0.5
--- 90° S/MH 0.6
--- 180° S/MH 0.6

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	8855	8856	8856	8856	8856
5	8238	8.08	8470	8561	8783
15	4026	5078	5330	5764	6077
25	1918	1918	1938	2009	2030
35	81	71	91	111	121
45	0	0	0	0	0
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

EFFIC: 67.1%
ITL TEST #49892
***LER = 34.4**
***AEC = \$6.99**

35° MEDIUM FLOOD

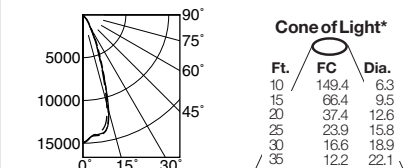


--- 0° S/MH 0.7
--- 90° S/MH 0.6
--- 180° S/MH 0.6

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	14477	14477	14477	14477	14477
5	14802	14595	14065	13673	13558
15	11792	11362	10879	10372	10457
25	3578	3424	3301	2966	3209
35	752	663	568	461	430
45	107	84	69	46	46
55	15	15	15	15	15
65	8	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

EFFIC: 71.0%
ITL TEST #51192
***LER = 32.1**
***AEC = \$7.48**

35° MEDIUM FLOOD



--- 0° S/MH 0.6
--- 90° S/MH 0.6
--- 180° S/MH 0.6

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	14944	14944	14944	14944	14944
5	14188	14149	14103	14111	14111
15	11224	11309	11554	10979	10641
25	3915	3524	3447	3278	3424
35	1228	1075	883	683	630
45	339	284	131	77	77
55	46	38	15	15	15
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

EFFIC: 76.2%
ITL TEST #51194
***LER = 34.4**
***AEC = \$6.97**

* LER (Luminaire Efficacy Rating) = Luminaire Effic. x Total Lamp Lumens x Ballast Factor
Input Watts

* AEC = Annual Energy Cost per 1000 lumens
(based on 3000 hours use @ \$0.08 KWH).

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME

TYPE

WATTAGE

VOLTAGE

CATALOG NUMBER