

Recessed Open PAR Lamp
"Pulse Start" Downlights
39 to 150 Watt

6" 150W
7" 150W

HRR-06004
HRR-07005

Features

Lamp

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

Socket

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

Reflector

- Self-flanged clear specular Alzak aluminum.
- Fourteen optional reflector finishes available.

Ballast Assembly: Specify Voltage

- WhisperPack[®] full integrating electronic ballast rated HPF pulse start ballast.

**THIS PRODUCT
IS NO LONGER
AVAILABLE**

Please consult

QUOTATIONS

for the best alternative.

- 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, including ballast.

Protection

- Permanently N.C.

Wattage / Lamp Availability and Cut-out Dimensions

Catalog No.	Designed For:			Option -43: Lower Wattage	Ceiling Cut-Out Diameter
	Standard	Lamp	Optional Lamp(s)		
HRR-06004	150 PAR 38	35° MFL	20° SP 65° FL	70-100	6.5"
HRR-07005	150 PAR 38	35° MFL	20° SP 65° FL	70-100	8.0"

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) or cross baffle.
- 31 White flange (only) on self-flanged reflector or cross baffle.
- 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 SoftTex Clear softly etched reflector. (CP x .98)
- 71 SoftTex Dune softly etched reflector. (CP x .95)
- 72 Black specular Alzak reflector. (CP x .87)
- 77 SoftTex Pewter softly etched reflector. (CP x .90)
- 90 SoftTex Champagne Gold softly etched reflector. (CP x .96)
- 91 SoftTex Wheat softly etched reflector. (CP x .95)
- 92 Umber specular Alzak reflector. (CP x .92)
- 93 Pewter specular Alzak reflector. (CP x .95)
- 94 Custom color reflector or cross baffle. Consult factory.
- OG OptiGroove; black seamless tapered aluminum reflector. White trim. (CP x .90)

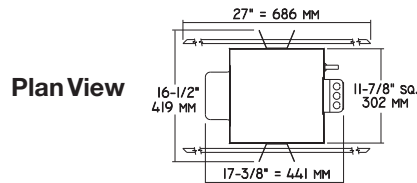
Mounting Options

- 79 Extension collar for up to 2" thick ceilings.

Other Options

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

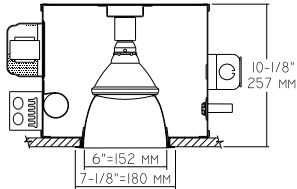
HRR-06004 HRR-07005



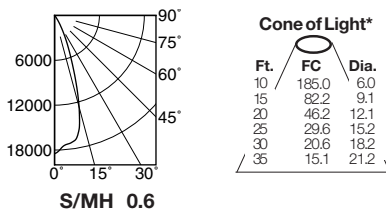
- Cone of Light Key**
- Ft.** Distance from fixture
 - FC** Footcandles (average)
 - Dia.** Circle of light at 50% of FC
 - * Dia. (in ft.) shown is where FC value is half the FC at nadir.

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

HRR-06004 150W



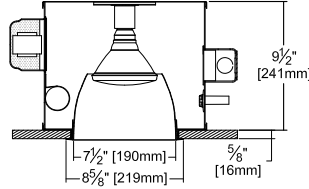
35° MEDIUM FLOOD



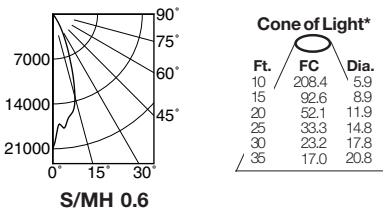
CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	18497	18497	18497	18497	18497
5	17343	17343	17343	17343	17343
15	12661	12661	12661	12661	12661
25	9337	9337	9337	9337	9337
35	572	572	572	572	572
45	90	90	90	90	90
55	17	17	17	17	17
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

EFFIC: 82.3%
ITL TEST #51188
***LER = 37.2**
***AEC = \$6.45**

HRR-07005 150W



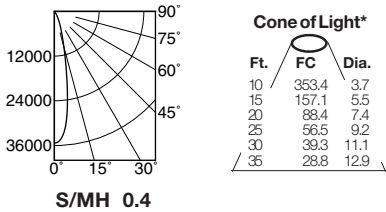
35° MEDIUM FLOOD



CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	20840	20840	20840	20840	20840
5	17681	17681	17681	17681	17681
15	13379	13379	13379	13379	13379
25	4762	4762	4762	4762	4762
35	976	976	976	976	976
45	117	117	117	117	117
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: 93.2%
ITL TEST #51190
***LER = 42.1**
***AEC = \$5.70**

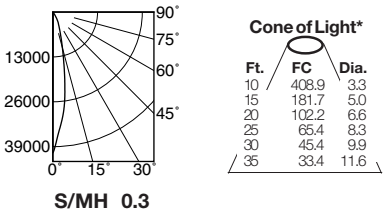
20° SPOT



CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	35340	35340	35340	35340	35340
5	31883	31883	31883	31883	31883
15	9831	9831	9831	9831	9831
25	2982	2982	2982	2982	2982
35	591	591	591	591	591
45	47	47	47	47	47
55	8	8	8	8	8
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: 82.9%
ITL TEST #51187
***LER = 37.5**
***AEC = \$6.41**

20° SPOT



CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	40889	40889	40889	40889	40889
5	31134	31134	31134	31134	31134
15	10733	10733	10733	10733	10733
25	3903	3903	3903	3903	3903
35	905	905	905	905	905
45	85	85	85	85	85
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: 93.3%
ITL TEST #51189
***LER = 42.2**
***AEC = \$5.69**

* LER (Luminaire Efficacy Rating) = $\frac{\text{Luminaire Effic.} \times \text{Total Lamp Lumens} \times \text{Ballast Factor}}{\text{Input Watts}}$

* 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

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLED TO N.E.C. IN NORMAL USE. Manufacturer at this 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 three years 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 the purchaser, or modification of the fixture without prior written authorization from the manufacturer will render the warranty void.

PS MET HAIDE
REV SEPT 2015