

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

6" 150W HRR-06004  
7" 150W HRR-07005

# THIS PRODUCT IS NO LONGER AVAILABLE

## Features

### Lamp

- Designed for metal halide PAR lamp. 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 reflector.
- Fourteen optional reflector finishes available.

### Ballast Assembly: Specify Voltage

- WhisperPack™ for metal halide 39°C rated HPF pulse start ballast.

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" (1/4" (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

- Per UL/NEC.

## Wattage / Lamp Availability and Cut-out Dimensions

| Catalog No. | Designed For: |         |                  | Option -43:<br>Lower Wattage | Ceiling Cut-Out<br>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.

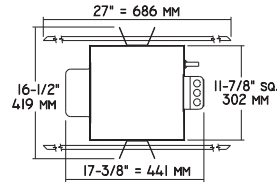
# KIRLIN

## 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](http://www.kirlinlighting.com)

### HRR-06004 HRR-07005

Plan View

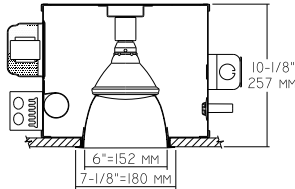


#### Cone of Light Key

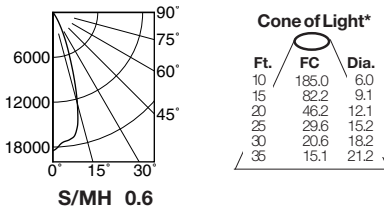
- Ft.** Distance from fixture
- FC** Footcandles (average)
- Dia.** Circle of light at 50% of FC
- \* Dia. (in ft.) shown is where FC value is half the FC at nadir.

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

### HRR-06004 150W



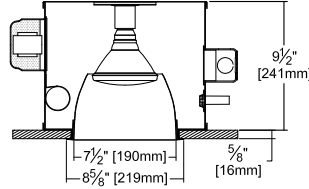
#### 35° MEDIUM FLOOD



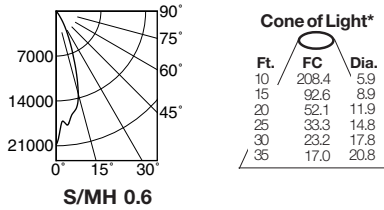
| CANDLEPOWER DISTRIBUTION |       |       |       |       |       |
|--------------------------|-------|-------|-------|-------|-------|
|                          | 0.0   | 22.5  | 45.0  | 67.5  | 90.0  |
| 0                        | 18497 | 18497 | 18497 | 18497 | 18497 |
| 5                        | 17343 | 17343 | 17343 | 17343 | 17343 |
| 15                       | 12661 | 12661 | 12661 | 12661 | 12661 |
| 25                       | 3637  | 3637  | 3637  | 3637  | 3637  |
| 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



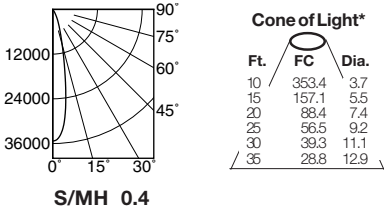
#### 35° MEDIUM FLOOD



| 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

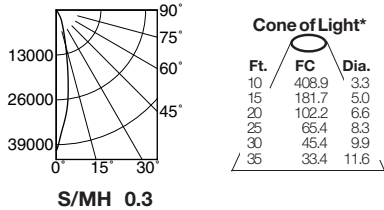
### 20° SPOT



| 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) =  $\frac{\text{Luminaire Efficacy} \times \text{Total Lamp Lumens} \times \text{Ballast Factor}}{\text{Input Watts}}$

• 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 LIGHTING FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLATION TO N.E.C. IN NORMAL USE. Manufacturer at the option will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective fixture 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 purchaser or any 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. Abnormal use, abuse of the fixture, improper installation, or modification to the fixture will void the warranty. The manufacturer's name and address will appear on the fixture and the manufacturer's name and address will appear on the fixture and the manufacturer's name and address will appear on the fixture.

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REV SEP 2015