

|           |                 |
|-----------|-----------------|
| CATALOG # | TYPE            |
| JOB NAME  | WATTAGE VOLTAGE |

6" x 6" 1 PAR 38 250 WATT MAXIMUM

IRS-06115

## PAR 38 Halogen Open Square

### Specifications

#### Lamp / Socket

- Designed for 1 vertical tungsten halogen lamp (by others):  
250W maximum PAR 38.
- Rated 4200 hour life. 100 CRI.
- Dimmable (controls by others).
- Glazed porcelain medium base socket.

#### Reflector

- Low brightness specular Alzak® aluminum.

#### Aluminum Housing

- Cool. Acrylic enameled 100% aluminum.
- Rustproof and corrosion resistant: Exceeds 1000 hour ASTM 5% salt spray test.
- Dissipates heat across entire surface area extending component life.
- Entire luminaire visible and serviceable from below through aperture.

- For top access, see Option -TA.
- Built-in plaster frame. Also see Option -79.

#### Outlet Box and Thermal Protection

- UL listed J-box with insulated removable cover. Prewired 14 GA (NEC) with ½" and ¾" knockouts.
- Thermal protector (per current NEC) provides automatic cut-off if rated temperature is exceeded.

#### Installation

- 27" galvanized hanger bars supplied (2).
- Fully adjustable universal galvanized mounting brackets supplied (2).
- Recesses indoor or outdoor in covered ceilings.

#### UL, C-UL (Canada) Listings

- Wet, damp or dry locations, covered ceilings.
- Through-branch conductors (6 #12 AWG 90°C).

#### Three Year Limited Warranty

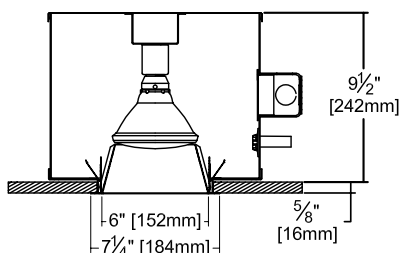
- Complete standard fixture.



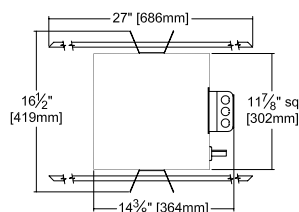
Recessed Square  
Open

### Performance at a Glance

IRS-06115

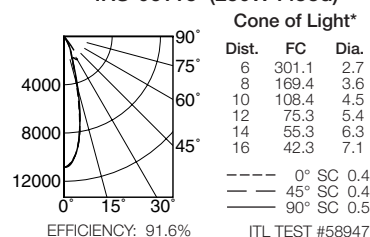


Ceiling  
Cut-out  
6 3/4" Sq.

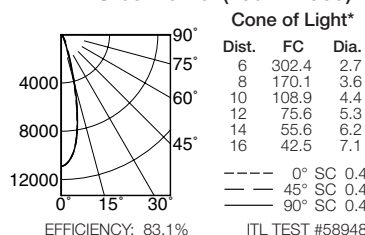


Exceptional  
Energy  
Efficiency

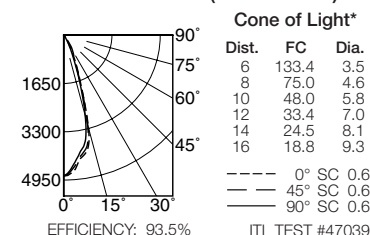
IRS-06115 (250W Flood)



IRS-06115-70 (250W Flood)



IRS-06115 (120W Flood)



## THE KIRLIN COMPANY

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TUNGSTEN HALOGEN &  
INCANDESCENT LIGHTING

MAXIMUM WATTAGE

250

CATALOG NUMBER

IRS-06115

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

IRS-06115

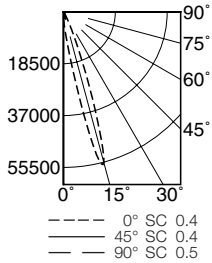
6" x 6" 1 PAR 38 250 WATT MAXIMUM

**KIRLIN**  
 Since 1895

## Detailed Photometry - Installed Fixture

Photometry from I.T.L., Boulder, CO

## IRS-06115 (250 Watt Flood)



EFFICIENCY : 91.6%



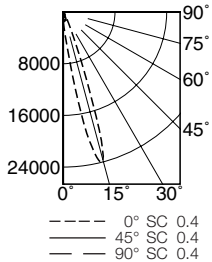
EEE

| CANDLEPOWER DISTRIBUTION |       |       |       |       |       |
|--------------------------|-------|-------|-------|-------|-------|
|                          | 0.0   | 22.5  | 45.0  | 67.5  | 90.0  |
| 0                        | 10839 | 10839 | 10839 | 10839 | 10839 |
| 5                        | 10028 | 10032 | 10034 | 10033 | 10028 |
| 15                       | 4038  | 4090  | 4214  | 4355  | 4460  |
| 25                       | 1256  | 1406  | 1956  | 1543  | 1372  |
| 35                       | 265   | 401   | 1626  | 437   | 288   |
| 45                       | 47    | 60    | 80    | 61    | 46    |
| 55                       | 22    | 21    | 16    | 24    | 15    |
| 65                       | 2     | 2     | 2     | 2     | 2     |
| 75                       | 1     | 1     | 1     | 1     | 1     |
| 85                       | 0     | 0     | 0     | 0     | 0     |
| 90                       | 0     | 0     | 0     | 0     | 0     |

| COEFFICIENTS OF UTILIZATION |     |     |     |    |    |    |    |    |    |
|-----------------------------|-----|-----|-----|----|----|----|----|----|----|
| RF                          | 20  |     |     |    |    |    |    |    |    |
| RC                          | 80  |     |     |    |    |    |    |    |    |
| RW                          | 70  | 50  | 30  | 10 | 50 | 30 | 10 | 50 | 30 |
| 1                           | 105 | 103 | 101 | 99 | 97 | 96 | 94 | 94 | 92 |
| 2                           | 101 | 97  | 94  | 91 | 93 | 90 | 88 | 88 | 86 |
| 3                           | 97  | 92  | 88  | 85 | 88 | 86 | 83 | 83 | 81 |
| 4                           | 93  | 87  | 83  | 80 | 85 | 81 | 79 | 79 | 77 |
| 5                           | 90  | 83  | 79  | 76 | 81 | 78 | 75 | 75 | 73 |
| 6                           | 86  | 80  | 75  | 72 | 78 | 74 | 71 | 71 | 69 |
| 7                           | 83  | 76  | 72  | 69 | 75 | 71 | 68 | 68 | 66 |
| 8                           | 80  | 73  | 69  | 66 | 72 | 68 | 65 | 65 | 63 |
| 9                           | 78  | 70  | 66  | 63 | 69 | 66 | 63 | 63 | 61 |
| 10                          | 75  | 68  | 64  | 61 | 67 | 63 | 61 | 61 | 59 |

ITL TEST #58947

## IRS-06115-70 (250 Watt Flood)



EFFICIENCY : 83.1%



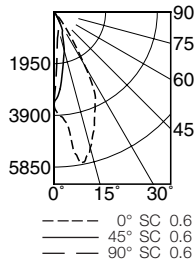
EEE

| CANDLEPOWER DISTRIBUTION |       |       |       |       |       |
|--------------------------|-------|-------|-------|-------|-------|
|                          | 0.0   | 22.5  | 45.0  | 67.5  | 90.0  |
| 0                        | 10888 | 10888 | 10888 | 10888 | 10888 |
| 5                        | 10037 | 10038 | 10076 | 10083 | 10082 |
| 15                       | 3942  | 4036  | 4142  | 4194  | 4215  |
| 25                       | 781   | 890   | 1137  | 943   | 803   |
| 35                       | 307   | 327   | 400   | 331   | 316   |
| 45                       | 196   | 176   | 128   | 181   | 203   |
| 55                       | 113   | 93    | 71    | 96    | 117   |
| 65                       | 56    | 45    | 40    | 46    | 57    |
| 75                       | 24    | 20    | 18    | 20    | 24    |
| 85                       | 5     | 4     | 4     | 4     | 5     |
| 90                       | 0     | 0     | 0     | 0     | 0     |

| COEFFICIENTS OF UTILIZATION |    |    |    |    |    |    |    |    |    |
|-----------------------------|----|----|----|----|----|----|----|----|----|
| RF                          | 20 |    |    |    |    |    |    |    |    |
| RC                          | 80 |    |    |    |    |    |    |    |    |
| RW                          | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 |
| 1                           | 95 | 93 | 91 | 89 | 88 | 86 | 85 | 85 | 83 |
| 2                           | 91 | 87 | 84 | 82 | 83 | 81 | 79 | 79 | 77 |
| 3                           | 87 | 82 | 79 | 76 | 79 | 77 | 74 | 74 | 72 |
| 4                           | 84 | 78 | 74 | 71 | 76 | 73 | 70 | 70 | 68 |
| 5                           | 81 | 75 | 71 | 68 | 73 | 69 | 67 | 67 | 65 |
| 6                           | 78 | 72 | 67 | 65 | 70 | 66 | 64 | 64 | 62 |
| 7                           | 75 | 69 | 65 | 62 | 67 | 64 | 61 | 61 | 59 |
| 8                           | 73 | 66 | 62 | 59 | 65 | 61 | 59 | 59 | 57 |
| 9                           | 70 | 64 | 60 | 57 | 63 | 59 | 57 | 57 | 55 |
| 10                          | 68 | 62 | 58 | 55 | 61 | 57 | 55 | 55 | 53 |

ITL TEST #58948

## IRS-06115 (120 Watt Flood)



EFFICIENCY : 93.5%



EEE

| CANDLEPOWER DISTRIBUTION |      |      |      |      |      |
|--------------------------|------|------|------|------|------|
|                          | 0.0  | 22.5 | 45.0 | 67.5 | 90.0 |
| 0                        | 4803 | 4803 | 4803 | 4803 | 4803 |
| 5                        | 4591 | 4549 | 4478 | 4416 | 4368 |
| 15                       | 3272 | 3106 | 3164 | 3090 | 2848 |
| 25                       | 832  | 875  | 871  | 782  | 629  |
| 35                       | 147  | 166  | 318  | 151  | 121  |
| 45                       | 43   | 49   | 23   | 44   | 31   |
| 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  |     |     |     |    |    |    |    |    |
| RC                          | 80  |     |     |     |    |    |    |    |    |
| RW                          | 70  | 50  | 30  | 10  | 50 | 30 | 10 | 50 | 30 |
| 1                           | 107 | 105 | 103 | 101 | 99 | 98 | 97 | 97 | 95 |
| 2                           | 103 | 99  | 96  | 94  | 95 | 93 | 91 | 91 | 89 |
| 3                           | 99  | 94  | 91  | 88  | 91 | 88 | 86 | 86 | 84 |
| 4                           | 96  | 90  | 86  | 83  | 87 | 84 | 81 | 81 | 79 |
| 5                           | 92  | 86  | 82  | 78  | 84 | 80 | 77 | 77 | 75 |
| 6                           | 89  | 82  | 78  | 75  | 80 | 77 | 74 | 74 | 72 |
| 7                           | 86  | 79  | 75  | 71  | 77 | 74 | 71 | 71 | 69 |
| 8                           | 83  | 76  | 71  | 68  | 74 | 71 | 68 | 68 | 66 |
| 9                           | 80  | 73  | 69  | 66  | 72 | 68 | 65 | 65 | 63 |
| 10                          | 77  | 70  | 66  | 63  | 69 | 66 | 63 | 63 | 61 |

ITL TEST #47039

## Options

## Wattage and Voltage

- 58 277/120 volt stepdown transformer for 277 volt line input, prewired into fixture; with 277 volt thermal protector.

## Trims

- 16 Champagne Gold specular Alzak reflector. (CP x .95)  
-30 All white reflector. (CP x .95)

- 31 White flange (only) on self-flanged reflector.  
-32 White oversize trim extender. Specify size.  
-45 Gasket between ceiling and reflector flange.  
-63 Dune specular Alzak reflector. (CP x .93)  
-69 Wheat specular Alzak reflector. (CP x .92)  
-70 SofTex clear reflector. (CP x .92)  
-71 SofTex Dune reflector. (CP x .89)  
-72 Black specular Alzak reflector. (CP x .77)  
-79 Extension collar for ceilings up to 2" thick.

- 91 SofTex Wheat reflector. (CP x .88)  
-93 Pewter specular Alzak reflector. (CP x .88)  
-94 Custom color/finish. Specify. Consult factory.

## Other

- 99 Special modification. Consult factory.  
-LP With PAR 38 lamp. Specify wattage and beam spread.  
-TA Top access for servicing from above.

## SUBMITTAL DATA

JOB NAME

TYPE

WATTAGE

VOLTAGE

CATALOG NUMBER

## APPROVAL STAMP