

PA1H3870BL = (Flanged) Black/White      PA1H3870BTL = (Trimless) Black  
 PA1H3870WL = (Flanged) White            PA1H3870WTL = (Trimless) White

Ceiling Cutout: 8 3/16"L x 8 3/16"W

Ordering Information: PAR38 Series A

| Cat. No.    | Lamp              | Ceiling Trim | Aperture Finish         |
|-------------|-------------------|--------------|-------------------------|
| PA1H3870BL  | (1) 70W PAR 38 MH | Overlap      | Black with White Flange |
| PA1H3870WL  | (1) 70W PAR 38 MH | Overlap      | White with White Flange |
| PA1H3870BTL | (1) 70W PAR 38 MH | Trimless     | Black                   |
| PA1H3870WTL | (1) 70W PAR 38 MH | Trimless     | White                   |

### Features

- Aperture Frame:** Provides clean support for lamp holders and overlapping flange or trimless installation. Extruded aluminum. Rigidly welded together on all corners.
- Media Cartridge:** Allows convenient loading and removal of up to two accessories (including lamp cover glass; lamp cover glass may be replaced with solid glass accessory). Easily installed and removed for lamping with a simple twisting motion. Constructed of diecast aluminum.
- Cross Blade Louver:** Extruded aluminum. 1" deep, provides additional shielding and can be easily removed.
- Adjustable Ring:** Allows 360° horizontal and 40° (on width) and 45° (on diagonal) vertical adjustment.
- Tortiontite Spring:** For easy installation of aperture frame.
- Housing:** Die-formed 22 ga. steel. Finish: Black.
- Mounting Brackets:** Adjustable vertically from outside of housing.
- Thermal Protector:** Meets NEC, UL, and CSA requirements.
- Lampholder:** Porcelain medium based; nickel plated screw shell. 5KV pulse rated, rewired with #18 SF-1 leads to ballast housing.
- Junction Box:** 14 ga. steel, 4" x 3 1/2" x 2" box. Allows inspection from below.
- Lamp and Accessory Support:** .032" steel, flared for easy entry of Media Cartridge.
- Lens Retaining Ring:** .093" spring steel rod. Holds accessories in place.
- Ballast Housing:** Die-formed 18 ga. steel

### Electrical

**Electronic Ballast:** High Power Factor. Input watts: 78, line current: .67 amps. Accessible from below.  
 UL listed for through branch circuit wiring with maximum of (8) no. 2 AWG 90° C.

### Finish

All painted finishes are powder coated baked enamel.

### Options & Accessories

**Accessories:** 4 3/4" dia. Series filters, lenses, screens and louvers. (2) accessories maximum, including lamp cover glass. Lamp guard glass may be replaced with solid glass accessory.

### Labels

UL/cUL (Suitable for Damp Location); I B E W

### US Patent Pending

| Job Information  | Type: |
|------------------|-------|
| <b>Job Name:</b> |       |
| <b>Cat. No.:</b> |       |
| <b>Lamp(s):</b>  |       |
| <b>Notes:</b>    |       |

Lightolier a Genlyte Thomas Company      www.lightolier.com  
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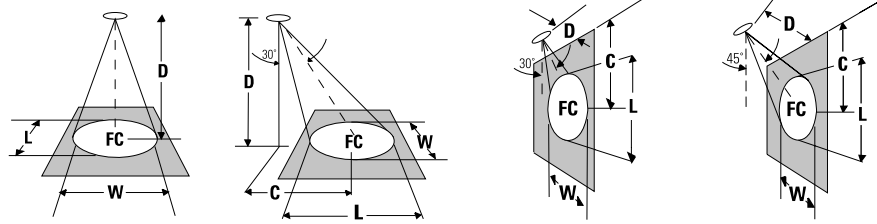


**Lighting Performance Data**

- L** Beam length
- W** Beam width
- C** Distance to the center of the beam.
- D** Distance
- A** Aiming angle
- FC** Footcandles

**L** and **W** are the outer points where the candle power drops to 50% of the maximum. **FC** are the initial footcandles at the center of the beam.

Lamp data shown is typical, and is based on bare lamp photometrics. Contact lamp manufacturers for availability and performance.



| Lamps                    | Beam Spread<br>(To 50% CBCP) | CBCP  | Rated<br>Life (Hrs.) | 0° Aiming Angle |     |       |       | 30° Aiming Angle |       |     |       | 30° Aiming Angle |     |       |     | 45° Aiming Angle |       |    |      |     |      |       |
|--------------------------|------------------------------|-------|----------------------|-----------------|-----|-------|-------|------------------|-------|-----|-------|------------------|-----|-------|-----|------------------|-------|----|------|-----|------|-------|
|                          |                              |       |                      | D               | FC  | L     | W     | D                | C     | FC  | L     | W                | D   | C     | FC  | L                | W     | D  | C    | FC  | L    | W     |
| 70W PAR38<br>(MC/MH) SP  | 15°                          | 50000 | 7500                 | 15'             | 222 | 3.9'  | 3.9'  | 10'              | 5.8'  | 325 | 3.5'  | 3.0'             | 5'  | 8.7'  | 250 | 5.6'             | 2.6'  | 8  | 8.0  | 276 | 4.3  | 3.0   |
|                          |                              |       |                      | 20'             | 125 | 5.3'  | 5.3'  | 15'              | 8.7'  | 144 | 5.3'  | 4.6'             | 8'  | 13.9' | 98  | 8.9'             | 4.2'  | 12 | 12.0 | 123 | 6.4  | 4.5   |
|                          |                              |       |                      | 25'             | 80  | 6.6'  | 6.6'  | 20'              | 11.5' | 81  | 7.1'  | 6.1'             | 11' | 19.1' | 52  | 12.2'            | 5.8'  | 16 | 16.0 | 69  | 8.6  | 6.0   |
|                          |                              |       |                      | 30'             | 56  | 7.9'  | 7.9'  | 25'              | 14.4' | 52  | 8.8'  | 7.6'             | 14' | 24.2' | 32  | 15.6'            | 7.4'  | 20 | 20.0 | 44  | 10.7 | 7.49' |
| 70W PAR38<br>(MC/MH) FL  | 26°                          | 18000 | 7500                 | 8'              | 281 | 3.5'  | 3.5'  | 7'               | 4.0'  | 239 | 4.2'  | 3.6'             | 3'  | 5.2'  | 250 | 6.2'             | 2.7'  | 5  | 5.0  | 255 | 4.7  | 3.1   |
|                          |                              |       |                      | 12'             | 125 | 5.3'  | 5.3'  | 10'              | 5.8'  | 117 | 6.0'  | 5.1'             | 4'  | 6.9'  | 141 | 8.3'             | 3.5'  | 7  | 7.0  | 130 | 6.5  | 4.4   |
|                          |                              |       |                      | 16'             | 70  | 7.1'  | 7.1'  | 13'              | 7.5'  | 69  | 7.8'  | 6.7'             | 5'  | 8.7'  | 90  | 10.4'            | 4.4'  | 9  | 9.0  | 79  | 8.4  | 5.6   |
|                          |                              |       |                      | 20'             | 45  | 8.9'  | 8.9'  | 16'              | 9.2'  | 46  | 9.6'  | 8.2'             | 6'  | 10.4' | 63  | 12.5'            | 5.3'  | 11 | 11.0 | 53  | 10.3 | 6.9'  |
| 70W PAR38<br>(MC/MH) WFL | 60°                          | 5000  | 7500                 | 6'              | 139 | 6.9'  | 6.9'  | 5'               | 2.9'  | 130 | 8.7'  | 6.7'             | 2'  | 3.5'  | 156 | *                | 4.6'  | 3  | 3.0  | 196 | 10.4 | 4.9   |
|                          |                              |       |                      | 8'              | 78  | 9.2'  | 9.2'  | 7'               | 4.0'  | 66  | 12.1' | 9.3'             | 3'  | 5.2'  | 69  | *                | 6.9'  | 5  | 5.0  | 71  | 17.3 | 8.2   |
|                          |                              |       |                      | 10'             | 50  | 11.5' | 11.5' | 9'               | 5.2'  | 40  | 15.6' | 12.0'            | 4'  | 6.9'  | 39  | *                | 9.2'  | 7  | 7.0  | 36  | 24.2 | 11.4  |
|                          |                              |       |                      | 12'             | 35  | 13.9' | 13.9' | 11'              | 6.4'  | 27  | 19.1' | 14.7'            | 5'  | 8.7'  | 25  | *                | 11.5' | 9  | 9.0  | 22  | 31.2 | 14.7  |

Data are based on bare lamp photometrics. Dashed lines in beam spreads indicate narrow axes of oval shaped beams.

**FC** is initial footcandles at center of beam.

**L** and **W** are to the point that the candlepower drops 50% of maximum.

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**Job Information** **Type:**

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