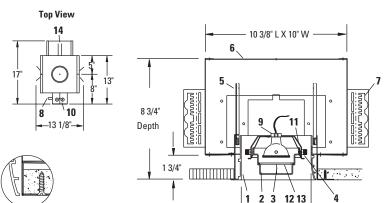


# Calculite® ProSpec® Linear Downlight PA1M1675

Page 1 of 2 1 Light MR 16 Series A



PA1M167EBL = (Flanged) Black/White PA1M167EWL = (Flanged) White

**PA1M167EBTL** = (Trimless) Black **PA1M167EWTL** = (Trimless) White

5" L X 5" W Opening

Add a "1" for 120v or "2" for 277v at the end of the catalog number for voltage

Ceiling Cutout: 6 3/16"L x 6 3/16"W

Ordering Information: MR 16 Series A

| Cat. No.    | Lamp                               | Ceiling Trim | Aperture Finish         |
|-------------|------------------------------------|--------------|-------------------------|
| PA1M167EBL  | (1) 75W MR 16*                     | Overlap      | Black with White Flange |
| PA1M167EWL  | (1) 75W MR 16*                     | Overlap      | White with White Flange |
| PA1M167EBTL | (1) 75W MR 16*                     | Trimless     | Black                   |
| PA1M167EWTL | (1) 75W MR 16*                     | Trimless     | White                   |
|             | *50W max. lamping when using acces | sories       |                         |

### **Features**

 Aperture Frame: Provides clean support for lamp holders and overlapping flange or trimless installation. Extruded aluminum. Rigidly welded together on all corners.

Trimless

- 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 die-cast aluminum.
- Cross Blade Louver: Extruded aluminum. 1" deep, provides additional shielding and can be easily removed.
- Adjustable Ring: Allows 360° horizontal and 35° (on width) and 45° (on diagonal) vertical adjustment.
- $\textbf{5. Tortiontite Spring:} \ \mathsf{For \ easy \ installation \ of \ aperture \ frame.}$
- 6. Housing: Die-formed 22 ga. steel. Finish: Black.
- 7. Mounting Brackets: Adjustable vertically from outside of housing.
- 8. Thermal Protector: Meets NEC, UL & CSA requirements.
- 9. Lampholder: Steatite for GX/GY 5.3 Bi-Pin lamps. 250°C Teflon® leads.
- 10. Junction Box: 14 ga. steel, 4" x 3 1/2" x 2" box. Allows inspection from helow
- Lamp and Accessory Support: .032" steel, flared for easy entry of Media Cartridge.
- **12. Lens Retaining Ring:** .093" spring steel rod. Holds accessories in place.
- 13. Lamp Guard: Heat resistant clear glass. Lamp manufacturers requirement.
- 14. Transformer Housing: Die-formed 18 ga. steel.

## **Electrical**

**Electronic Transformers:** Offer reliable operation and are accessible from below for servicing, 12V Secondary 75 VA. each lamp.

**Dimming Controls:** Use only dimmers specifically designed for use with electronic transformers. Low Voltage fixtures may produce audible sound when used with dimmers, which may be objectionable in acoustically critical areas.

UL/cUL listed for through branch circuit wiring with maximum of (8) no. 12 AWG,  $90^{\circ}$ C.

### Finish

All painted finishes are powder coated baked enamel.

## **Options and Accessories**

**Accessories:** 2 1/2" 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.

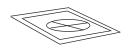
Teflon® is a registered trademark of E.I. DuPont.

**US Patent Pending.** 

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Lightolier a Genlyte Thomas Company www.lightolier.com 631 Airport Road, Fall River, MA 02720 ● (508) 679-8131 ● Fax (508) 674-4710 We reserve the right to change details of design, materials and finish.
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# Calculite® ProSpec® Linear Downlight PA1M1675

1 Light MR 16 Series A

| Page 2 of 2  |                            |                             |                              |                                   |                            |                             |                                   |                                   |                            |                             |                                   |                                   |                              |                              |                                   |                                   |                           |                             |                                   |                                   |  |
|--|----------------------------|-----------------------------|------------------------------|-----------------------------------|----------------------------|-----------------------------|-----------------------------------|-----------------------------------|----------------------------|-----------------------------|-----------------------------------|-----------------------------------|------------------------------|------------------------------|-----------------------------------|-----------------------------------|---------------------------|-----------------------------|-----------------------------------|-----------------------------------|--|
| •  |                            | Nar                         | rov                          | <u>v</u>                          | γ                          |                             |                                   |                                   |                            |                             |                                   | _                                 |                              |                              |                                   |                                   |                           |                             |                                   |                                   |  |
| Lighting   |                            | V MR1                       | 6 VNS                        | SP (EZY                           | ¥42V                       | V MR                        | 16 NSF                            | (EYR                              | 42                         | W MP                        | R16 SP                            | (EYS)                             | 50V                          | V MR1                        | 16 NSF                            | (EXT                              | 75V                       | 75W MR16 NSP (EYF)          |                                   |                                   |  |
| Performance Data  SIANCE   | C 1 2 3 4 5 6              |                             |                              |                                   |                            |                             | Â                                 |                                   |                            |                             |                                   |                                   |                              |                              | À                                 |                                   |                           |                             |                                   |                                   |  |
| FOOTCANDLES (On Beam Center At 6")                                       |                            | 3                           | 33                           |                                   | 197                        |                             |                                   |                                   |                            |                             | 78                                |                                   | 254                          |                              |                                   |                                   | 319                       |                             |                                   |                                   |  |
| BEAM SPREAD (To 50% Max. CP)   |                            | 7°                          | x 9°                         |                                   | 11.5°                      |                             |                                   |                                   |                            |                             | 20°                               |                                   | Γ                            | 11°                          | x 13°                             | ,                                 | 14° x 15°                 |                             |                                   |                                   |  |
| MAX. CANDLEPOWER (Candelas)  |                            | 12                          | .000                         |                                   | 7,076                      |                             |                                   |                                   |                            | 2                           | .800                              |                                   | 9, 150                       |                              |                                   |                                   | 11,500                    |                             |                                   |                                   |  |
| RATED LIFE (Hours)   |                            | 3.                          | .00C                         |                                   | 3,000                      |                             |                                   |                                   |                            | 3                           | .000                              |                                   | 3,000                        |                              |                                   |                                   | 3,500                     |                             |                                   |                                   |  |
| COLOR TEMPERATURE  |                            | 3,0                         | 00°K                         |                                   | 3,000°K                    |                             |                                   |                                   |                            | 3,0                         | 000°K                             |                                   | 3,025°K                      |                              |                                   |                                   | 3.025°K                   |                             |                                   |                                   |  |
| O° AIMING<br>ANGLE<br>Illumination on<br>Horizontal Plane                | 12'<br>16'<br>20'          | FC<br>188<br>83<br>47<br>30 | 1.0'<br>1.5'<br>2.0'<br>2.5' | W<br>1.3'<br>1.9'<br>2.5'<br>3.1' | 7<br>10<br>13              | FC<br>144<br>71<br>42<br>38 | 1.4'<br>2.0'<br>2.6'<br>3.2'      | W<br>1.4'<br>2.0'<br>2.6'<br>3.2' | D<br>4'<br>6'<br>8'<br>10' | FC<br>175<br>78<br>44<br>28 | L<br>1.4'<br>2.1'<br>2.8'<br>3.5' | W<br>1.4'<br>2.1'<br>2.8'<br>3.5' | D<br>7'<br>10'<br>13'<br>16' | FC<br>187<br>92<br>54<br>35  | L<br>1.3'<br>1.9'<br>2.5'<br>3.1' | W<br>1.6'<br>2.3'<br>3.0'<br>3.6' | 8'<br>12'<br>16'<br>20'   | FC<br>180<br>80<br>45<br>25 | L<br>2.0'<br>2.9'<br>3.9'<br>4.9' | W<br>2.1'<br>3.2'<br>4.2'<br>5.3' |  |
| 30° AIMING ANGLE Illumination on Horizontal Plane                        | 7<br>10'<br>13'<br>16'     | 159<br>77<br>46<br>30       | 1.1'<br>1.6'<br>2.1'<br>2.6' | W<br>1.3'<br>1.8'<br>2.4'<br>2.9' | 6'<br>9'<br>12'<br>15'     | FC<br>128<br>57<br>32<br>20 | L<br>1.6'<br>2.4'<br>3.2'<br>4.0' | W<br>1.4'<br>2.1'<br>2.8'<br>3.5' | 3'<br>5'<br>7'<br>9'       | FC<br>202<br>73<br>37<br>22 | 1.4'<br>2.4'<br>3.3'<br>4.3'      | W<br>1.2'<br>2.0'<br>2.9'<br>3.7' | D<br>6'<br>9'<br>12'         | FC<br>165<br>73<br>41<br>26  | L<br>1.5'<br>2.3'<br>3.1'<br>3.9' | 3.2                               | 7'<br>10'<br>13'<br>16'   | FC<br>152<br>75<br>44<br>29 | 2.3'<br>3.3'<br>4.3'<br>5.3'      | 2.1'<br>3.0'<br>4.0'<br>4.9'      |  |
| 30° AIMING<br>ANGLE<br>Illumination on<br>Vertical Plane                 | 3<br>4<br>5                | FC<br>167<br>94<br>60<br>41 | 1.5°<br>2.0°<br>2.5°<br>3.0° | 0.9'<br>1.3'<br>1.6'<br>1.9'      | 0<br>2'<br>3'<br>4'<br>5'  | FC<br>221<br>98<br>55<br>35 | 1.7'<br>2.5'<br>3.3'<br>4.2'      | 0.8'<br>1.2'<br>1.6'<br>2.0'      | 0<br>1'<br>2'<br>3'<br>4'  | FC<br>350<br>88<br>39<br>22 | L<br>1.6'<br>3.1'<br>4.7'<br>6.2' | W<br>0.7'<br>1.4'<br>2.1'<br>2.8' | D<br>2'<br>3'<br>4'<br>5'    | FC<br>286<br>127<br>71<br>46 | 1.6'<br>2.4'<br>3.2'<br>4.0'      | 0.9°<br>1.4°<br>1.8°<br>2.3°      | D<br>3'<br>4'<br>5'<br>6' | FC<br>160<br>90<br>58<br>40 | 3.1'<br>4.1'<br>5.1'<br>6.2'      | 1.6'<br>2.0'<br>2.6'<br>3.2'      |  |
| 45° AIMING<br>ANGLE<br>Illumination on Vertical<br>or (Horizontal) Plane | D<br>5'<br>7'<br>9'<br>11' | FC<br>170<br>87<br>52<br>35 | 1.2'<br>1.7'<br>2.2'<br>2.7' | W<br>1.1'<br>1.6'<br>2.0'<br>2.4' | 0<br>4'<br>6'<br>8'<br>10' | FC<br>156<br>69<br>39<br>25 | L<br>1.6'<br>2.4'<br>3.3'<br>4.1' | W<br>1.1'<br>1.7'<br>2.3'<br>2.8' | D                          | FC<br>110<br>62<br>40<br>27 | 2.2'<br>2.9'<br>3.6'<br>4.4'      | W<br>1.5'<br>2.0'<br>2.5'<br>3.0' | D                            | FC<br>202<br>90<br>51<br>32  | 1.6'<br>3.2'<br>3.1'<br>3.9'      | W<br>1.3<br>1.9<br>2.6<br>3.2     | D<br>5<br>7<br>9          | FC<br>163<br>83<br>50<br>34 | 2.5'<br>3.5'<br>4.5'<br>5.5'      | W<br>1.9'<br>2.6'<br>3.4'<br>4.1' |  |

|  | Medium                   |  |  |                                   |                                    |                                   |                           |                             | Wide                           |                                   |                            |                             |                                |  |  |                                   |                                     |                              |  |  |
|--|--------------------------|--|--|-----------------------------------|------------------------------------|-----------------------------------|---------------------------|-----------------------------|--------------------------------|-----------------------------------|----------------------------|-----------------------------|--------------------------------|--|--|-----------------------------------|-------------------------------------|------------------------------|--|--|
|  | 50W MR1                  |  | 2) 75                                      | W MR                              | 16 NFL                             | (EYJ)                             | 42                        | W MA                        | 16 FL i                        | EYP)                              | 50\                        | N MR                        | 16 FL (                        | EXN)                                   | 75W MR16 FL (EYC)                              |                                   |                                     |                              |  |  |
| DISTANCE   |                          |  |  |                                   | Î                                  |                                   |                           | /                           | Ì                              |                                   |                            |                             | À                              |  |  |                                   |                                     |                              |  |  |
| FOOTCANDLES (On Beam Center At 6')                                       | 8                        | 33   |  | 1                                 | 28                                 |                                   |                           |                             | 28                             |                                   | 42                         |                             |                                |  | 56   |                                   |                                     |                              |  |  |
| BEAM SPREAD (To 50% Max. CP)   | 22° x 27°                |  |  | 2                                 | 25°                                |                                   |                           | 3                           | 86°                            |                                   | 37° x 39°                  |                             |                                |  | 38° x 40°                                      |                                   |                                     |                              |  |  |
| MAX. CANDLEPOWER (Candelas) 3,000  |                          |  |  | 4.                                | .600                               |                                   |                           | 9                           | 91                             |                                   | 1,500                      |                             |                                |  | 2,000  |                                   |                                     |                              |  |  |
| RATED LIFE (Hours)   | 3,000                    |  |  | 3,                                | 500                                |                                   |                           | 3,                          | 000                            |                                   |                            | 3.                          | ,000                           |  | 3,500  |                                   |                                     |                              |  |  |
| COLOR TEMPERATURE  | 3,02                     |  | 3,050°K                                    |                                   |                                    |                                   | 3,0                       | 50°K                        |                                | 3,050°K                           |                            |                             |                                | 3,500°K                                |  |                                   |                                     |                              |  |  |
| O° AIMING<br>ANGLE<br>Illumination on<br>Horizontal Plane                | 8' 47                    | L W<br>2.3' 2.'<br>3.1' 3.'<br>3.9' 4.'<br>4.7' 5.'<br>L W | 9'   6'<br>8'   8'<br>8'   10'<br>3'   12' | FC<br>128<br>72<br>46<br>32<br>FC | 2.7'<br>3.5'<br>4.4'<br>5.3'       | 2.7'<br>3.5'<br>4.4'<br>5.3'      | D<br>3'<br>5'<br>7'<br>9' | FC<br>110<br>40<br>20<br>12 | 1.9'<br>3.2'<br>4.5'<br>5.8'   | 1.9'<br>3.2'<br>4.5'<br>5.8'      | D<br>4'<br>6'<br>8'<br>10' | 94<br>42<br>23<br>15        | 2.7°<br>4.0°<br>5.4°<br>6.7°   | W<br>2.8'<br>4.2'<br>5.7'<br>7.1'<br>W | D 4 6 8 10 10 10 10 10 10 10 10 10 10 10 10 10 | FC<br>125<br>56<br>31<br>20<br>FC | 2.8'<br>4.1'<br>5.5'<br>6.9'        | 2.9°<br>4.4°<br>5.8°<br>7.3° |  |  |
| 30° AIMING<br>ANGLE<br>Illumination on<br>Horizontal Plane               | 4' 122<br>6' 54<br>8' 30 | 2.1 2.3<br>3.1 3.3<br>4.2 4.5<br>5.2 5.1                   | 2' 5'<br>3' 7'<br>1' 9'                    | 120<br>61<br>37<br>25             | 3.0°<br>4.2°<br>5.4°<br>6.6°       | 2.6<br>3.6<br>4.6<br>5.6          | 3<br>5<br>7<br>9          | 72<br>26<br>13<br>8         | 2.7'<br>4.5'<br>6.3'<br>8.1'   | 2.3<br>3.8<br>5.3<br>6.8          | 3<br>5<br>7<br>9           | 108<br>39<br>20<br>12       | 2.8'<br>4.6'<br>6.5'<br>8.3'   | 2.5°<br>4.1°<br>5.7°<br>7.4°           | D<br>3'<br>5'<br>7'<br>9'                      | 144<br>52<br>27<br>16             | 2.9'<br>4.8'<br>6.7'<br>8.6'        | 2.5'<br>4.2'<br>5.9'<br>7.6' |  |  |
| 30° AIMING<br>ANGLE<br>Illumination on<br>Vertical Plane                 | 3' 42<br>4' 23           | L W<br>3.5' 1.5<br>5.3' 2.5<br>7.0' 3.8<br>8.8' 4.8        | 3' 2'<br>3' 3'<br>3' 4'                    | FC<br>144<br>64<br>36<br>23       | L<br>4.2'<br>6.2'<br>8.3'<br>10.4' | W<br>1.8'<br>2.7'<br>3.5'<br>4.4' | D<br>1'<br>2'<br>3'<br>4' | FC<br>124<br>31<br>14<br>8  | 3.8°<br>7.6°<br>11.4°<br>15.2° | W<br>1.3'<br>2.6'<br>3.9'<br>5.2' | D<br>1'<br>2'<br>3'<br>4'  |                             | 4.0°<br>8.1°<br>12.1°<br>16.1° | W<br>1.4'<br>2.8'<br>4.2'<br>5.7'      | D<br>1'<br>2'<br>3'<br>4'                      |                                   | L<br>4.3'<br>8.6'<br>12.8'<br>17.1' | 1.5°<br>2.9°<br>4.4°<br>5.8° |  |  |
| 45° AIMING<br>ANGLE<br>Illumination on Vertical<br>or (Horizontal) Plane | 5' 42<br>7' 22           | L W<br>2.4' 2.0<br>4.0' 3.4<br>5.7' 4.8<br>7.3' 6.         | 3'<br>5'<br>7'                             | FC<br>181<br>65<br>33<br>20       | L<br>2.1'<br>4.7'<br>6.5'<br>8.4'  | W<br>1.9'<br>2.1'<br>4.4'<br>5.6' | D<br>2<br>3<br>4<br>5     | FC<br>88<br>39<br>22<br>14  | 2.9°<br>4.4°<br>5.8°<br>7.3°   | W<br>1.8'<br>2.8'<br>3.7'<br>4.6' | D<br>2'<br>3'<br>4'<br>5'  | FC<br>133<br>59<br>33<br>21 | 3.0°<br>4.5°<br>6.0°<br>7.5°   | 2.0'<br>3.0'<br>4.0'<br>5.0'           | D<br>2'<br>3'<br>4'<br>5'                      | FC<br>79<br>44<br>28<br>20        | L<br>4.7'<br>6.3'<br>7.8'<br>9.4'   | 3.1'<br>4.1'<br>5.1'<br>6.2' |  |  |

| Beam Cent        | er Lo            | cati               | on                   |     |                          |                            |                              |                                |                                  |      |
|------------------|------------------|--------------------|----------------------|-----|--------------------------|----------------------------|------------------------------|--------------------------------|----------------------------------|------|
| Distance D (ft.) | 1                | 2                  | 3                    | 4   | 5                        | 6                          | 7                            | 8                              | 9                                | 10   |
| Distance C (ft.) | 1.7              | 3.5                | 5.2                  | 6.9 | 8.7                      | 10.4                       | 12.1                         | 13.8                           | 15.6                             | 17.3 |
|                  | Distance D (ft.) | Distance D (ft.) 1 | Distance D (ft.) 1 2 |     | Distance D (ft.) 1 2 3 4 | Distance D (ft.) 1 2 3 4 5 | Distance D (ft.) 1 2 3 4 5 6 | Distance D (ft.) 1 2 3 4 5 6 7 | Distance D (ft.) 1 2 3 4 5 6 7 8 |      |

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 **Job Information** Type: Lightolier a Genlyte Thomas Company www.lightolier.com 631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710 We reserve the right to change details of design, materials and finish. © 2004 Genlyte Thomas Group LLC (Lightolier Division) • B0304

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