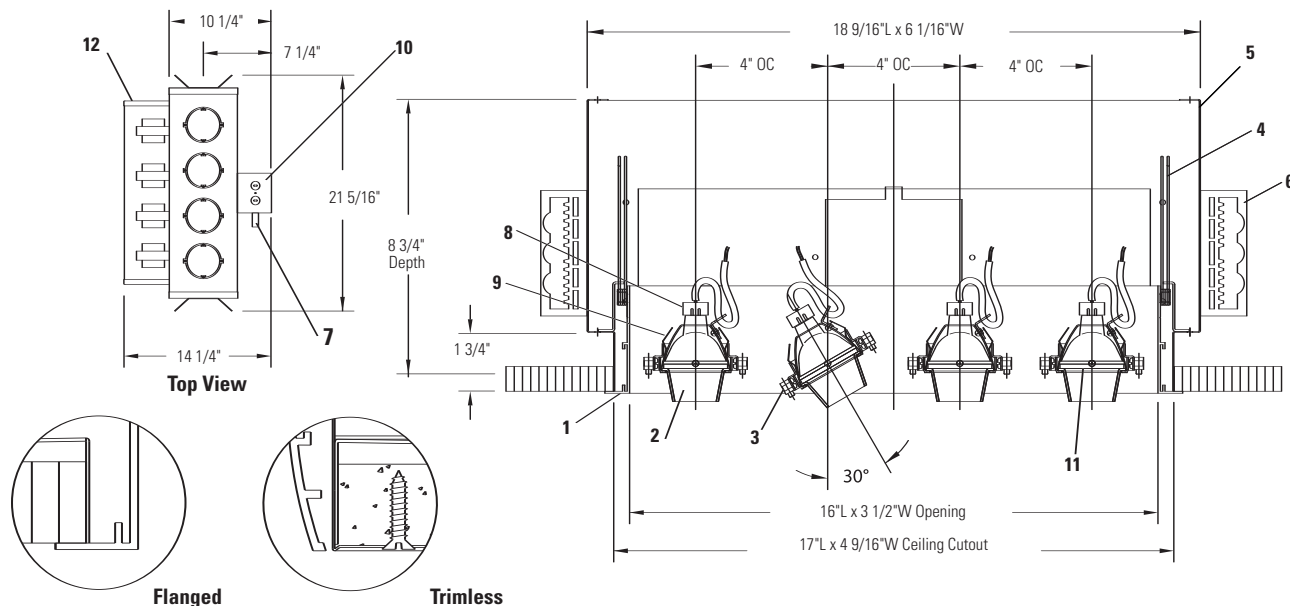
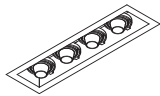




Ceiling Cutout: 17" L x 4 9/16" W

**Ordering Information: MR 16 Series S**

| Cat. No.    | Lamp          | Ceiling Trim | Aperture Finish         |
|-------------|---------------|--------------|-------------------------|
| PS4M165EBL  | (4) 50W MR 16 | Overlap      | Black with White Flange |
| PS4M165EWL  | (4) 50W MR 16 | Overlap      | White with White Flange |
| PS4M165EBTL | (4) 50W MR 16 | Trimless     | Black                   |
| PS4M165EWTL | (4) 50W MR 16 | Trimless     | White                   |

PS4M165EBL = (Flanged) Black/White

PS4M165EBTL = (Trimless) Black

PS4M165EWL = (Flanged) White

PS4M165EWTL = (Trimless) White

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

## Features

- Aperture Frame:** Provides clean support for lamp holders and overlapping flange or trimless installation. Extruded aluminum. Rigidly welded together on all corners.
- Lamp Shields:** Die-formed aluminum. Shields spill light from lamp. Removable for relamping
- Adjustable Ring:** Die-cast aluminum. 30° vertical adjustment.
- Tortiontite Spring:** For easy installation of aperture frame.
- Housing:** Die-formed NYC 20 ga. steel. Finish: Black.
- Mounting Brackets:** Adjustable vertically from outside of housing.
- Thermal Protector:** Meets NEC, CEC, UL & CSA requirements.
- Lampholder:** Steatite for GX/GY 5.3 Bi-Pin MR-16 lamps. 250°C Teflon® leads.
- Heat Shield:** Die-formed aluminum.
- Junction Box:** 14 ga. steel, 4" x 3-1/2" x 3" box. Allows inspection from below.
- Lamp Guard:** Heat resistant Micro prismatic clear glass. Lamp manufacturer's requirement
- Transformer Housing:** Die-formed steel.

## Electrical

**Electronic Transformers:** Offer reliable operation and are accessible from below for servicing. 12V. Secondary 50 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 (4) no. 12 AWG, 90°.

## Finish

All painted finishes are powder coated baked enamel.

## Labels

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

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

### Job Information

### Type:

**Job Name:**

**Cat. No.:**

**Lamp(s):**

**Notes:**

Lightolier a Genlyte Company

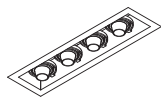
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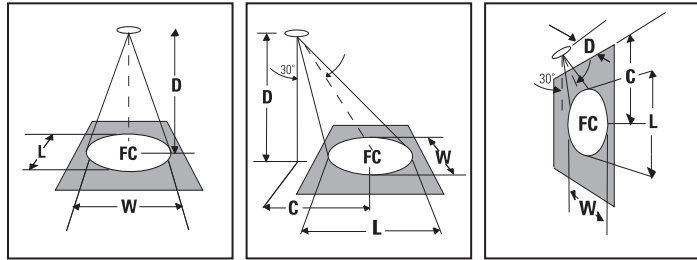


## Accent Lighting Performance Data

(FC) is initial footcandles at center of beam.  
Beam length (L) and beam width (W) are to where the candlepower is reduced to 50% of the center beam candlepower.  
CBCP is center beam candlepower.

(C) is distance to 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     |                               |                        |                                  |                              |
|---------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------|----------------------|-------------------------|-----------------------|------------------------------|------------------------------|-------------------------|------------------------------|-----------------------|--------------------------------|-------------------------------|----------------------|-------------------------------|------------------------|----------------------------------|------------------------------|
|                                                                                                               |                                                                                            |       |                      | D                       | FC                    | L                            | W                            | D                       | C                            | FC                    | L                              | W                             | D                    | C                             | FC                     | L                                | W                            |
| MR16 LOW VOLTAGE HALOGEN BI-PIN LAMPS                                                                         |                                                                                            |       |                      |                         |                       |                              |                              |                         |                              |                       |                                |                               |                      |                               |                        |                                  |                              |
| <br>20W MR16<br>VNSP (EZx)   | <br>7°    | 8200  | 3000                 | 7'<br>10'<br>13'<br>16' | 167<br>82<br>49<br>32 | 0.9'<br>1.2'<br>1.6'<br>2.0' | 0.9'<br>1.2'<br>1.6'<br>2.0' | 6'<br>9'<br>12'<br>15'  | 3.5'<br>5.2'<br>6.9'<br>8.7' | 148<br>66<br>37<br>24 | 1.0'<br>1.5'<br>2.0'<br>2.3'   | 0.8'<br>1.3'<br>1.7'<br>2.1'  | 2'<br>3'<br>4'<br>5' | 3.5'<br>5.2'<br>6.9'<br>8.7'  | 256<br>114<br>64<br>41 | 1.0'<br>1.5'<br>2.0'<br>2.5'     | 0.5'<br>0.7'<br>1.0'<br>1.2' |
| <br>20W MR16<br>NSP (ESx)    | <br>13°   | 3600  | 5000                 | 6'<br>8'<br>10'<br>12'  | 100<br>56<br>36<br>25 | 1.4'<br>1.8'<br>2.3'<br>2.7' | 1.4'<br>1.8'<br>2.3'<br>2.7' | 5'<br>7'<br>9'<br>11'   | 2.9'<br>4.0'<br>5.2'<br>6.4' | 94<br>48<br>29<br>19  | 1.5'<br>2.1'<br>2.7'<br>3.4'   | 1.3'<br>1.8'<br>2.4'<br>2.9'  | 2'<br>3'<br>4'<br>5' | 3.5'<br>5.2'<br>6.9'<br>8.7'  | 113<br>50<br>28<br>18  | 1.9'<br>2.8'<br>3.8'<br>4.7'     | 0.9'<br>1.4'<br>1.8'<br>2.3' |
| <br>20W MR16<br>FL (BAB)     | <br>40°   | 525   | 5000                 | 2'<br>3'<br>4'<br>5'    | 131<br>58<br>33<br>21 | 1.5'<br>2.2'<br>2.9'<br>3.6' | 1.5'<br>2.2'<br>2.9'<br>3.6' | 2'<br>3'<br>4'<br>5'    | 1.2'<br>1.7'<br>2.3'<br>2.9' | 85<br>38<br>21<br>14  | 2.0'<br>3.0'<br>4.1'<br>5.1'   | 1.7'<br>2.5'<br>3.4'<br>4.2'  | 1'<br>2'<br>3'<br>4' | 1.7'<br>3.5'<br>5.2'<br>6.9'  | 66<br>16<br>7<br>4     | 4.8'<br>9.7'<br>14.5'<br>19.3'   | 1.5'<br>2.9'<br>4.4'<br>5.8' |
| <br>35W MR16<br>NSP (FRB)    | <br>12°  | 8700  | 4000                 | 7'<br>10'<br>13'<br>16' | 178<br>87<br>51<br>34 | 1.5'<br>2.1'<br>2.7'<br>3.4' | 1.5'<br>2.1'<br>2.7'<br>3.4' | 6'<br>9'<br>12'<br>15'  | 3.5'<br>5.2'<br>6.9'<br>8.7' | 157<br>70<br>39<br>25 | 1.7'<br>2.5'<br>3.4'<br>4.2'   | 1.5'<br>2.2'<br>2.9'<br>3.6'  | 2'<br>3'<br>4'<br>5' | 3.5'<br>5.2'<br>6.9'<br>6.7'  | 272<br>121<br>68<br>44 | 1.7'<br>2.6'<br>3.5'<br>4.3'     | 0.8'<br>1.3'<br>1.7'<br>2.1' |
| <br>35W MR16<br>SP (FRA)   | <br>20° | 3900  | 4000                 | 6'<br>8'<br>10'<br>12'  | 108<br>61<br>39<br>27 | 2.1'<br>2.8'<br>3.5'<br>4.2' | 2.1'<br>2.8'<br>3.5'<br>4.2' | 5'<br>7'<br>9'<br>11'   | 2.9<br>4.0'<br>5.2'<br>6.4'  | 101<br>52<br>31<br>21 | 2.4'<br>3.3'<br>4.3'<br>5.2'   | 2.0'<br>2.9'<br>3.7'<br>4.5'  | 2'<br>3'<br>4'<br>5' | 3.5'<br>5.2'<br>6.9'<br>8.7'  | 122<br>54<br>30<br>20  | 3.1'<br>4.7'<br>6.2'<br>7.8'     | 1.4'<br>2.1'<br>2.8'<br>3.5' |
| <br>35W MR16<br>FL (FMV)   | <br>40° | 1600  | 4000                 | 4'<br>6'<br>8'<br>10'   | 100<br>44<br>25<br>16 | 2.9'<br>4.4'<br>5.8'<br>7.3' | 2.9'<br>4.4'<br>5.8'<br>7.3' | 3'<br>5'<br>7'<br>9'    | 1.7'<br>2.9'<br>4.0'<br>5.2' | 115<br>30<br>21<br>13 | 2.5'<br>4.1'<br>5.8'<br>9.1'   | 2.5'<br>4.2'<br>5.8'<br>7.6'  | 1'<br>2'<br>3'<br>4' | 1.7'<br>3.5'<br>5.2'<br>6.9'  | 200<br>50<br>22<br>13  | 4.8'<br>9.7'<br>14.5'<br>19.3'   | 1.5'<br>2.9'<br>4.4'<br>5.8' |
| <br>37W MR16 IR<br>NSP     | <br>10° | 11500 | 4000                 | 6'<br>12'<br>16'<br>20' | 180<br>80<br>45<br>29 | 1.4'<br>2.1'<br>2.8'<br>3.5' | 1.4'<br>2.1'<br>2.8'<br>3.5' | 7'<br>10'<br>13'<br>16' | 4.0'<br>5.8'<br>7.5'<br>9.2' | 152<br>75<br>44<br>29 | 1.6'<br>2.3'<br>3.0'<br>3.7'   | 1.4'<br>2.0'<br>2.8'<br>3.2'  | 3'<br>4'<br>5'<br>6' | 5.2'<br>6.9'<br>8.7'<br>10.4' | 160<br>90<br>58<br>40  | 2.1'<br>2.9'<br>3.6'<br>4.3'     | 1.0'<br>1.4'<br>1.7'<br>2.1' |
| <br>37W MR16 IR<br>NFL     | <br>25° | 3500  | 4000                 | 6'<br>8'<br>10'<br>12'  | 97<br>55<br>35<br>24  | 2.7'<br>3.5'<br>4.4'<br>5.3' | 2.7'<br>3.5'<br>4.4'<br>5.3' | 5'<br>7'<br>9'<br>11'   | 2.9'<br>4.0'<br>5.2'<br>6.4' | 91<br>46<br>28<br>19  | 3.0'<br>4.2'<br>5.4'<br>6.6'   | 2.6'<br>3.6'<br>4.6'<br>5.6'  | 2'<br>3'<br>4'<br>5' | 3.5'<br>5.2'<br>6.9'<br>8.7'  | 109<br>49<br>27<br>18  | 4.2'<br>6.2'<br>8.3'<br>10.4'    | 1.8'<br>2.7'<br>3.5'<br>4.4' |
| <br>37W MR16 IR<br>FL      | <br>40° | 2050  | 4000                 | 4'<br>6'<br>8'<br>10'   | 128<br>57<br>32<br>21 | 2.9'<br>4.4'<br>5.8'<br>7.3' | 2.9'<br>4.4'<br>5.8'<br>7.3' | 3'<br>5'<br>7'<br>9'    | 1.7'<br>2.9'<br>4.0'<br>5.2' | 148<br>53<br>27<br>16 | 3.0'<br>5.1'<br>7.1'<br>9.1'   | 2.5'<br>4.2'<br>5.9'<br>7.6'  | 1'<br>2'<br>3'<br>4' | 1.7'<br>3.5'<br>5.2'<br>6.9'  | 258<br>64<br>28<br>16  | 4.8'<br>9.7'<br>14.5'<br>19.3'   | 1.5'<br>2.9'<br>4.4'<br>5.8' |
| <br>42W MR16<br>VNSP (EZY) | <br>9°  | 13100 | 3500                 | 8'<br>12'<br>16'<br>20' | 205<br>91<br>51<br>33 | 1.3'<br>1.9'<br>2.5'<br>3.1' | 1.3'<br>1.9'<br>2.5'<br>3.1' | 7'<br>10'<br>13'<br>16' | 4.0<br>5.8'<br>7.5'<br>9.2'  | 174<br>85<br>50<br>33 | 1.5'<br>2.1'<br>2.7'<br>3.4'   | 1.3'<br>1.8'<br>2.4'<br>2.9'  | 3'<br>4'<br>5'<br>6' | 5.2'<br>6.9'<br>8.7'<br>10.4' | 182<br>102<br>66<br>45 | 1.9'<br>2.6'<br>3.2'<br>3.8'     | 0.9'<br>1.3'<br>1.6'<br>1.9' |
| <br>50W MR16<br>NSP (EXT)  | <br>14° | 10200 | 4000                 | 8'<br>12'<br>16'<br>20' | 159<br>71<br>40<br>26 | 2.0'<br>2.9'<br>3.8'<br>4.9' | 2.0'<br>2.9'<br>3.8'<br>4.9' | 7'<br>10'<br>13'<br>15' | 4.0'<br>5.8'<br>7.5'<br>9.2' | 135<br>66<br>39<br>28 | 2.3'<br>3.3'<br>4.3'<br>5.3'   | 2.0'<br>2.8'<br>3.7'<br>4.5'  | 3'<br>4'<br>5'<br>6' | 5.2'<br>6.9'<br>8.7'<br>10.4' | 142<br>80<br>51<br>35  | 3.1'<br>4.1'<br>5.1'<br>6.2'     | 1.5'<br>2.0'<br>2.5'<br>2.9' |
| <br>50W MR16<br>NFL (EXZ)  | <br>27° | 3400  | 6000                 | 6'<br>8'<br>10'<br>12'  | 94<br>53<br>34<br>24  | 2.9'<br>3.8'<br>4.8'<br>5.8' | 2.9'<br>3.8'<br>4.8'<br>5.8' | 5'<br>7'<br>9'<br>11'   | 2.9'<br>4.0'<br>5.2'<br>6.4' | 88<br>45<br>27<br>18  | 3.3'<br>4.6'<br>5.9'<br>7.2'   | 2.8'<br>3.9'<br>5.0'<br>6.1'  | 2'<br>3'<br>4'<br>5' | 3.5'<br>5.2'<br>6.9'<br>8.7'  | 106<br>47<br>27<br>17  | 4.6'<br>7.0'<br>9.3'<br>11.6'    | 1.9'<br>2.9'<br>3.6'<br>4.8' |
| <br>50W MR16<br>FL (EXN)   | <br>40° | 1850  | 6000                 | 4'<br>6'<br>8'<br>10'   | 116<br>51<br>29<br>19 | 2.9'<br>4.4'<br>5.8'<br>7.3' | 2.9'<br>4.4'<br>5.8'<br>7.3' | 3'<br>5'<br>7'<br>9'    | 1.7'<br>2.9<br>4.0'<br>5.2'  | 134<br>48<br>25<br>15 | 3.0'<br>5.1'<br>7.1'<br>9.1'   | 2.5'<br>4.2'<br>5.9'<br>7.6'  | 1'<br>2'<br>3'<br>4' | 1.7'<br>3.5'<br>5.2'<br>6.9'  | 231<br>58<br>26<br>14  | 4.8'<br>9.7'<br>14.5'<br>19.3'   | 1.5'<br>2.9'<br>4.4'<br>5.8' |
| <br>50W MR16<br>WFL (FNV)  | <br>55° | 1150  | 4000                 | 3'<br>5'<br>7'<br>9'    | 128<br>46<br>23<br>14 | 3.1'<br>5.2'<br>7.3'<br>9.4' | 3.1'<br>5.2'<br>7.3'<br>9.4' | 3'<br>5'<br>7'<br>9'    | 1.7'<br>2.9<br>4.0'<br>5.2'  | 83<br>30<br>15<br>9   | 4.6'<br>7.6'<br>10.7'<br>13.7' | 3.6'<br>6.0'<br>8.4'<br>10.8' | 1'<br>2'<br>3'<br>4' | 1.7'<br>3.5'<br>5.2'<br>6.9'  | 144<br>36<br>16<br>9   | 22.3'<br>44.5'<br>66.8'<br>89.1' | 2.1'<br>4.2'<br>6.2'<br>8.3' |

## Job Information

## Type:

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