# **LAMP** ORDERING GUIDE



fxl.com/**Lamps**

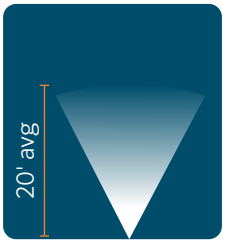
**LANDSCAPE & ARCHITECTURAL LIGHTING** | fxl.com

FXLuminaire®

FXLuminaire

# How to Choose the Right MR-16 LED Lamp

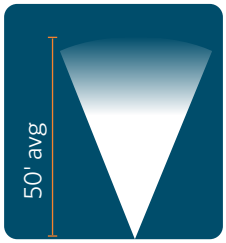
## 1 Choose the Lumens




**4.0 W/4.3 VA**
230 to 320 Lumens




**5.0 W/5.4 VA**
380 to 460 Lumens




**6.0 W/6.5 VA**
430 to 505 Lumens

## 2 Choose the Color Temperature



**W** = Warm (2700K)



**S** = Soft (3000K)



**C** = Cool (4000K)

## 3 Choose the Beam Angle



**VN** = Very Narrow (10°)



**FL** = Flood (35°)

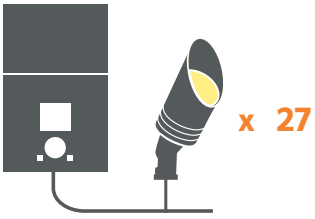


**WF** = Wide Flood (60°)

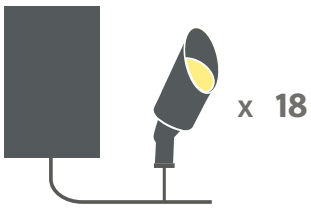
## VA Rating

FX Luminaire MR-16 LED models are the most efficient lamps

**4.0 W = 4.3 VA  5.0 W = 5.4 VA  6.0 W = 6.5 VA**




FX Luminaire: 150 W transformer with 5.0 W lamps = **27 Lamps**



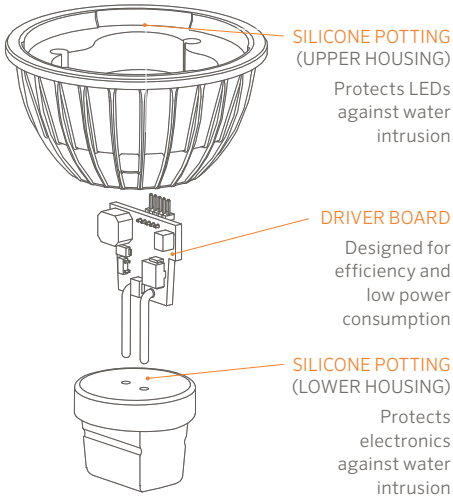

Other Brands: 150 W transformer with 5.0 W lamps = **18 Lamps**



## IP Rating

**Fully potted** and protected from dust and moisture intrusion, even from high-pressure water sources




## Other MR-16 Lamps



MR-16 ZD
LED Lamp



MR-16 ECO
LED Lamp

## MR-16 LED LAMPS



### 4 W

| Part Number (Lamp Type-Series-Power-LED Color-Beam Angle) | Lumens / VA | Color Temp | Beam Angle | UPC |
|---|---|---|---|---|
| MR16-LED-20-W-VN | 270 lm / 4.3 VA | 2700K | 10° Very Narrow | 6 11698 05658 5 |
| MR16-LED-20-W-FL | 230 lm / 4.3 VA | 2700K | 30° Flood | 6 11698 05660 8 |
| MR16-LED-20-W-WF | 230 lm / 4.3 VA | 2700K | 45° Wide Flood | 6 11698 05661 5 |
| MR16-LED-20-S-VN | 285 lm / 4.3 VA | 3000K | 10° Very Narrow | 6 11698 56382 3 |
| MR16-LED-20-S-FL | 240 lm / 4.3 VA | 3000K | 30° Flood | 6 11698 56383 0 |
| MR16-LED-20-S-WF | 240 lm / 4.3 VA | 3000K | 45° Wide Flood | 6 11698 56384 7 |

### 5 W

| Part Number | Lumens / VA | Color Temp | Beam Angle | UPC |
|---|---|---|---|---|
| MR16-LED-35-W-VN | 440 lm / 5.4 VA | 2700K | 15° Very Narrow | 6 11698 05666 0 |
| MR16-LED-35-W-FL | 335 lm / 5.4 VA | 2700K | 35° Flood | 6 11698 05668 4 |
| MR16-LED-35-W-WF | 340 lm / 5.4 VA | 2700K | 47° Wide Flood | 6 11698 05669 1 |
| MR16-LED-35-S-VN | 460 lm / 5.4 VA | 3000K | 15° Very Narrow | 6 11698 56385 4 |
| MR16-LED-35-S-FL | 380 lm / 5.4 VA | 3000K | 35° Flood | 6 11698 56386 1 |
| MR16-LED-35-S-WF | 395 lm / 5.4 VA | 3000K | 47° Wide Flood | 6 11698 56387 8 |

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## MR-16 LED LAMPS



**6 W**

| Part Number (Lamp Type-Series-Power-LED Color-Beam Angle) | Lumens / VA | Color Temp | Beam Angle | UPC |
|---|---|---|---|---|
| MR16-LED-50-W-FL | 480 lm / 6.5 VA | 2700K | 35° Flood | 6 11698 54429 7 |
| MR16-LED-50-S-FL | 505 lm / 6.5 VA | 3000K | 35° Flood | 6 11698 56388 5 |

## MR-16 ZD LED LAMPS



**5 W**

| Part Number | Lumens / VA | Color Temp | Beam Angle | UPC |
|---|---|---|---|---|
| MR-16-ZD-35-W-VN | 440 lm / 5.3 VA | 2700K | 15° Very Narrow | 6 11698 02710 3 |
| MR-16-ZD-35-W-FL | 335 lm / 5.3 VA | 2700K | 35° Flood | 6 11698 02712 7 |
| MR-16-ZD-35-W-WF | 340 lm / 5.3 VA | 2700K | 47° Wide Flood | 6 11698 02713 4 |
| MR-16-ZD-35-S-VN | 460 lm / 5.3 VA | 3000K | 15° Very Narrow | 6 11698 56389 2 |
| MR-16-ZD-35-S-FL | 380 lm / 5.3 VA | 3000K | 35° Flood | 6 11698 56390 8 |
| MR-16-ZD-35-S-WF | 395 lm / 5.3 VA | 3000K | 47° Wide Flood | 6 11698 56391 5 |

**6 W**

| Part Number | Lumens / VA | Color Temp | Beam Angle | UPC |
|---|---|---|---|---|
| MR-16-ZD-50-W-FL | 480 lm / 6.5 VA | 2700K | 35° Flood | 6 11698 54431 0 |
| MR-16-ZD-50-S-FL | 505 lm / 6.5 VA | 3000K | 35° Flood | 6 11698 56392 2 |



## MR-16 ECO LED LAMPS

### 6.0 VA

| Part Number (Lamp Type-Series-Power-LED Color-Beam Angle) | Lumens / VA | Color Temp | Beam Angle | UPC |
|---|---|---|---|---|
| MR16-E-6-W-FL | 490 lm / 6.0 VA | 2700K | 30° Flood | 6 11698 99835 9 |
| MR16-E-6-W-WF | 440 lm / 6.0 VA | 2700K | 60° Wide Flood | 6 11698 99836 6 |
| MR16-E-6-S-FL | 500 lm / 6.0 VA | 3000K | 30° Flood | 6 11698 99837 3 |
| MR16-E-6-S-WF | 450 lm / 6.0 VA | 3000K | 60° Wide Flood | 6 11698 99838 0 |

### 8.5 VA

| Part Number | Lumens / VA | Color Temp | Beam Angle | UPC |
|---|---|---|---|---|
| MR16-E-9-W-FL | 635 lm / 8.5 VA | 2700K | 30° Flood | 6 11698 99839 7 |
| MR16-E-9-W-WF | 565 lm / 8.5 VA | 2700K | 60° Wide Flood | 6 11698 99840 3 |
| MR16-E-9-S-FL | 645 lm / 8.5 VA | 3000K | 30° Flood | 6 11698 99841 0 |
| MR16-E-9-S-WF | 575 lm / 8.5 VA | 3000K | 60° Wide Flood | 6 11698 99842 7 |



## MR-11 ECO LED LAMPS

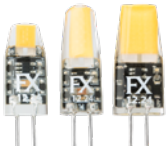
### 4 W

| Part Number | Lumens / VA | Color Temp | Beam Angle | UPC |
|---|---|---|---|---|
| MR11-E-4-W-FL | 265 lm / 4.2 VA | 2700K | 30° Flood | 6 11698 99831 1 |
| MR11-E-4-S-FL | 270 lm / 4.2 VA | 3000K | 30° Flood | 6 11698 99833 5 |

# **LAMP** ORDERING GUIDE

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## G4 ECO LED LAMPS



**1 VA to 3 VA**

| Part Number (Lamp Type-Series-Power-LED Color ) | Lumens / VA | Color Temp | Beam Angle | UPC |
|---|---|---|---|---|
| G4-E-1-W | 85 lm / 1.0 VA | 2700K | N/A | 6 11698 99422 1 |
| G4-E-2-W | 145 lm / 1.3 VA | 2700K | N/A | 6 11698 99421 4 |
| G4-E-3-W | 195 lm / 1.7 VA | 2700K | N/A | 6 11698 99420 7 |
| G4-E-1-S | 90 lm / 1.0 VA | 3000K | N/A | 6 11698 99425 2 |
| G4-E-2-S | 150 lm / 1.3 VA | 3000K | N/A | 6 11698 99424 5 |
| G4-E-3-S | 200 lm / 1.7 VA | 3000K | N/A | 6 11698 99423 8 |



## PAR-36 ECO LED LAMP

### 6 W

| Part Number (Lamp Type-Series-Power-LED Color-Beam Angle) | Lumens / VA | Color Temp | Beam Angle | UPC |
|---|---|---|---|---|
| PAR36-ECO-35-W-FL | 685 lm / 8.5 VA | 2700K | 35° Flood | 6 11698 82275 3 |
| PAR36-ECO-35-W-WF | 665 lm / 8.5 VA | 2700K | 50° Wide Flood | 6 11698 82276 0 |
| PAR36-ECO-35-S-FL | 675 lm / 8.5 VA | 3000K | 35° Flood | 6 11698 82277 7 |
| PAR36-ECO-35-S-WF | 675 lm / 8.5 VA | 3000K | 50° Wide Flood | 6 11698 82278 4 |

### 10 W

| Part Number | Lumens / VA | Color Temp | Beam Angle | UPC |
|---|---|---|---|---|
| PAR36-ECO-50-W-FL | 855 lm / 11.3 VA | 2700K | 35° Flood | 6 11698 82279 1 |
| PAR36-ECO-50-W-WF | 860 lm / 11.3 VA | 2700K | 50° Wide Flood | 6 11698 82280 7 |
| PAR36-ECO-50-S-FL | 845 lm / 11.3 VA | 3000K | 35° Flood | 6 11698 22281 2 |
| PAR36-ECO-50-S-WF | 850 lm / 11.3 VA | 3000K | 50° Wide Flood | 6 11698 82282 1 |

# UNDERSTANDING **LED LAMP OUTPUT**

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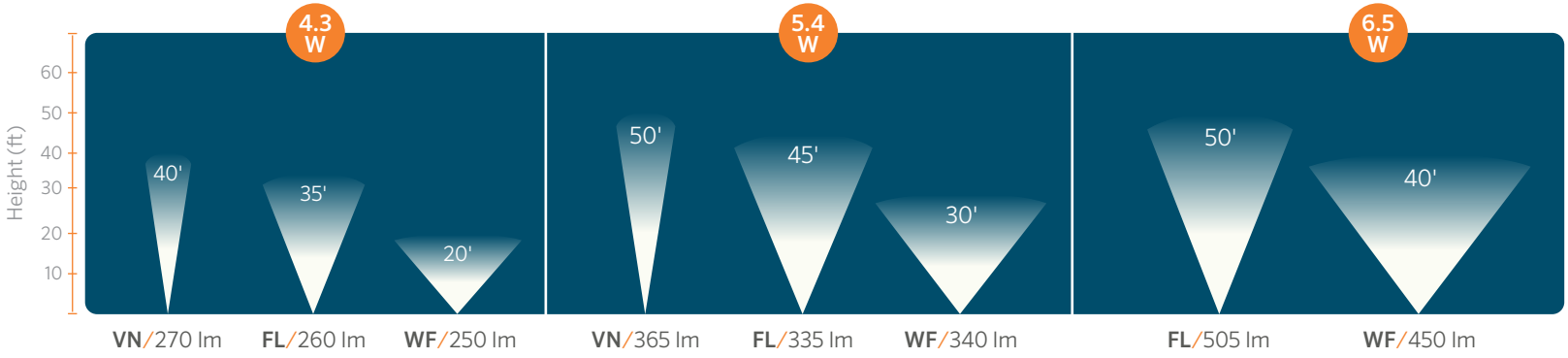
## Lumens, Beam Angles, and Height

When selecting a lamp, it's important to consider the following questions: What am I lighting? Is the goal to create a **highlight** for a significant focal point, **low light** for subtle ambiance, or **medium light** to incorporate transitional lighting?

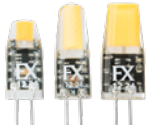
The photometric renderings below represent lumen output in a dark environment on a light background. *When lighting a dense tree or dark textured material, the background will absorb the light. In this and other similar cases, you may want to specify more lumens than shown in the images below.*

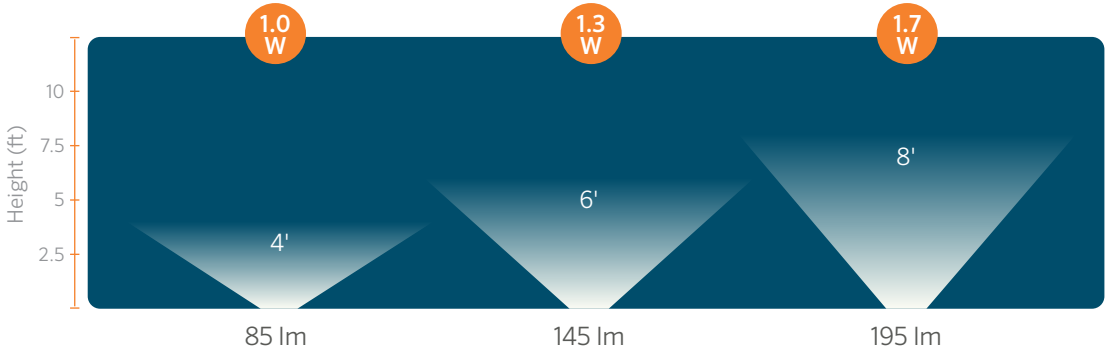
### MR-16





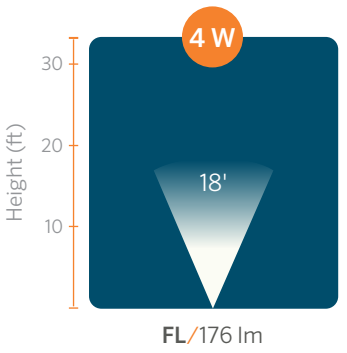

### G4
Wall Wash





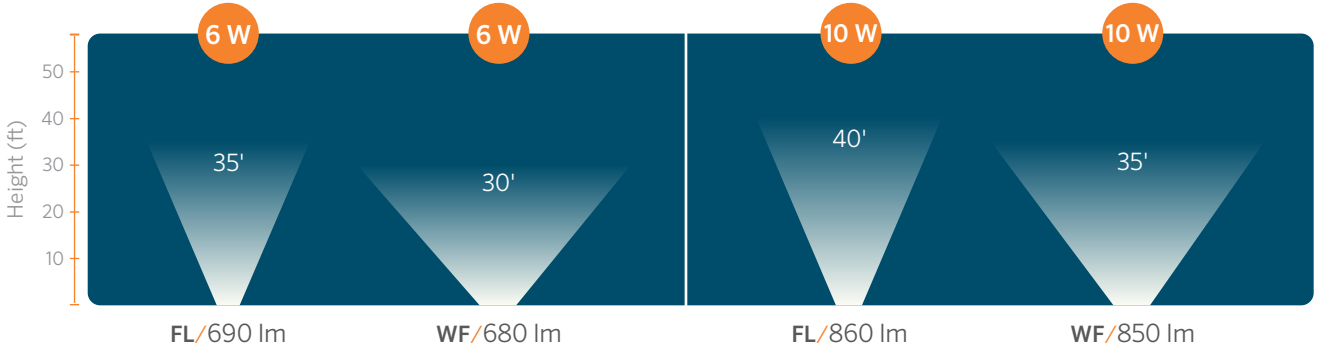

### MR-11






### PAR-36



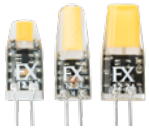


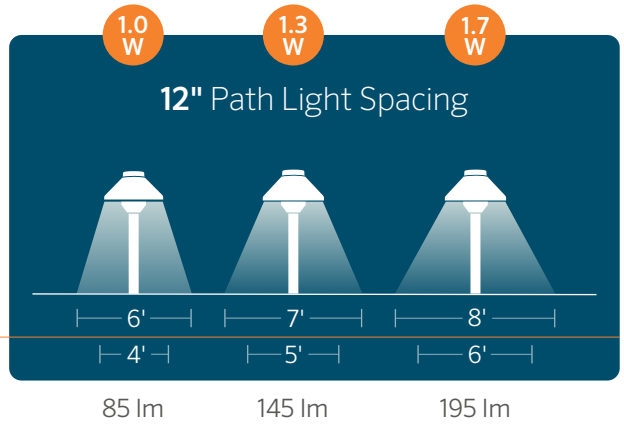

**VN** - Very Narrow
**FL** - Flood
**WF** - Wide Flood

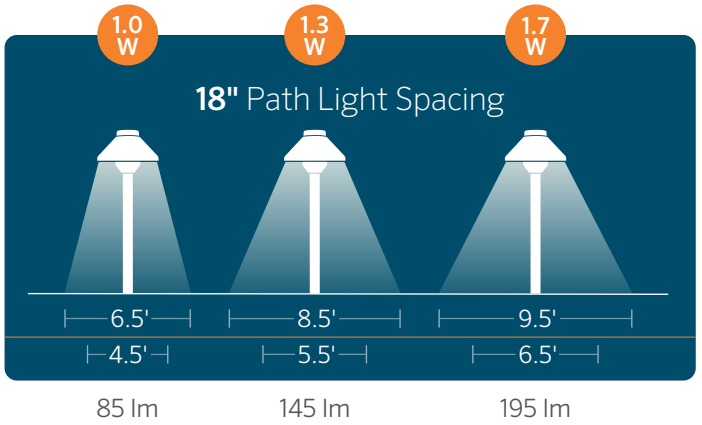
## Path Light Spacing by Output

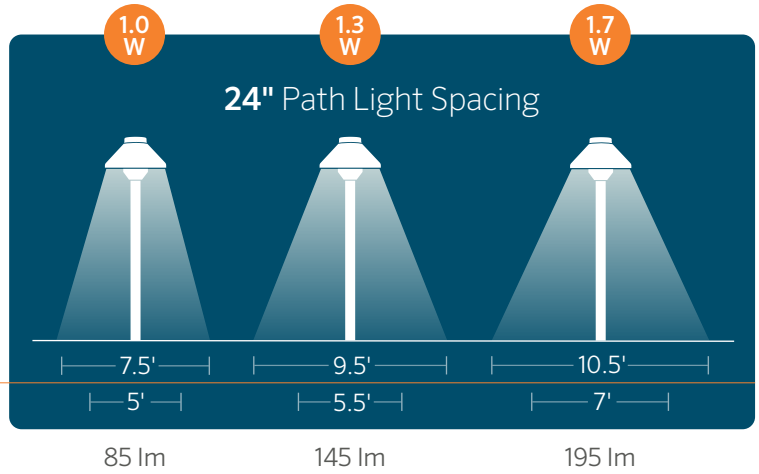
The path light spacing recommendation is for residential spacing at a minimum of 0.1 footcandle (fc) and commercial spacing at a minimum of 0.3 fc.

### G4






***Use the new Path Light Spacing Calculator for free!***

Eliminate the guesswork of installing path lights by quickly calculating the ideal fixture quantity and spacing. The Path Light Spacing Calculator automatically converts verified photometric data into clear visuals for users of any experience level. This free tool reduces time, labor, and project costs.

fxl.com/**PathLightSpacingCalculator**