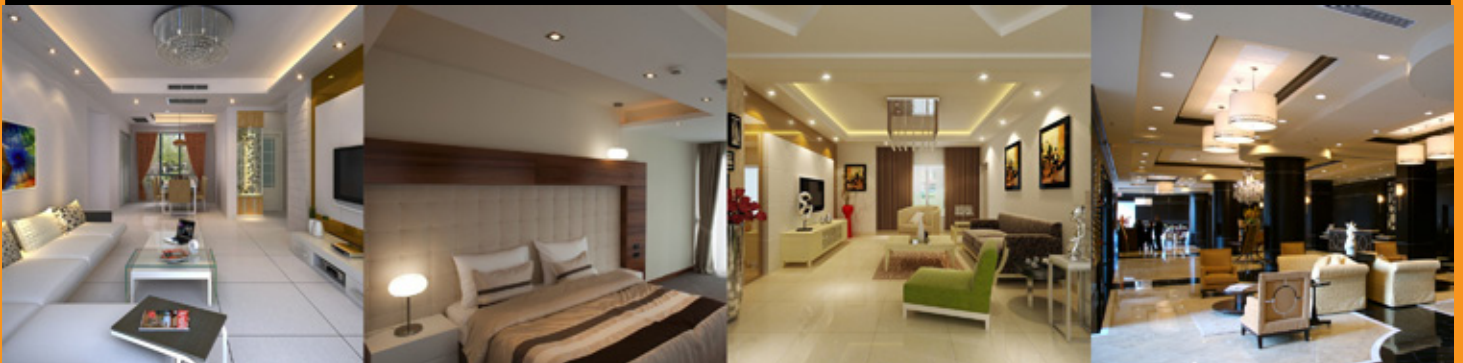# VBLMR16RxW

**Applications:**
- Retail & Shopping Centres
- Restaurants
- Hotels
- Show Rooms
- Offices
- Homes
- Bars
- Casinos & Gaming Rooms
- Lifts
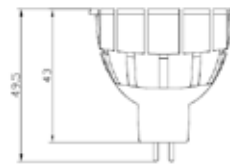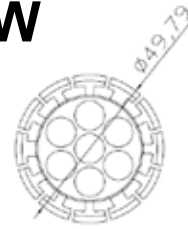- Gardens
- Signage

**Features:**
- Environmental Protection
- High lighting effect and high CRI
- Long lamp life and high energy saving
- Direct replacement for 12V Halogen 35W-50W lamp
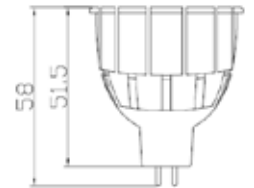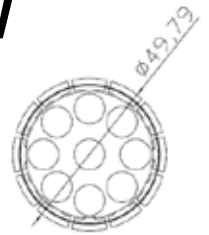- Dimmable on trailing edge dimmers with electronic transformers **ONLY**

## Specifications:

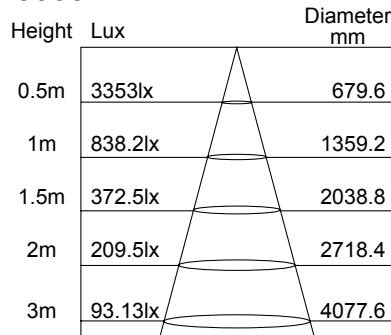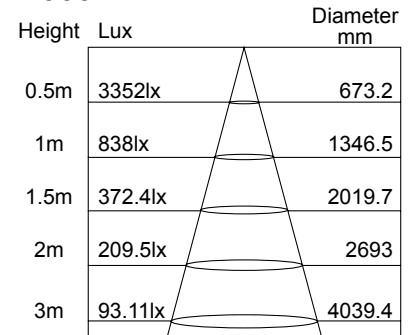| Model Number | VBLMR16R6W | VBLMR16R9W-3K |
|---|---|---|
| Base | MR16 | MR16 |
| Power Consumption | 6W | 9W |
| Input Voltage | 12V | 12V |
| LED Source | NICHIA | NICHIA |
| Colour Temperature | 3000K<br>4000K | 3000K<br>4000K |
| Lumens Output | 400lm (WW)<br>420lm (CW) | 530lm (WW)<br>600lm (CW) |
| Luminous Efficiency | 53lm/W (WW)<br>55.4lm/W (CW) | 51.8lm/W (WW)<br>53lm/W (CW) |
| CRI | 85 | 85 |
| Beam Angle | 36° | 36° |
| Lamp Life | 50,000 hours | 50,000 hours |
| Energy Grade | A | A |
| Dimension | Ø50 x 49.5mm | Ø50 x 58mm |
| Warranty | 3 years | 3 years |
| Replacement | 35W Halogen | 50W Halogen |

**6W**



**9W**



# 6W

Works well with Osram REDBACK transformer, as a one to one replacement. However some electronic transformers have a minimum load requirement and may need more than one lamp connected in order for the lamp to work.
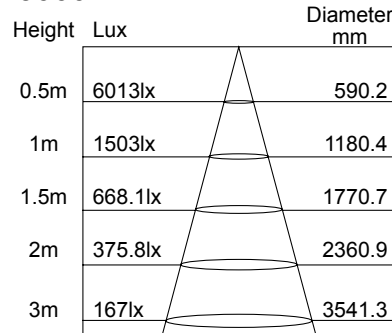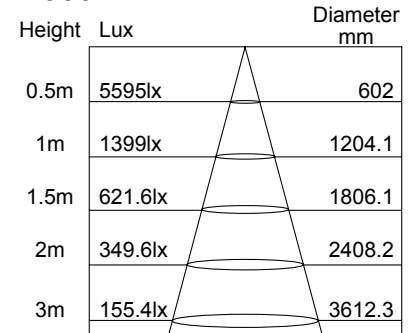
**3000K**

| Height | Lux | Diameter mm |
|---|---|---|
| 0.5m | 3353lx | 679.6 |
| 1m | 838.2lx | 1359.2 |
| 1.5m | 372.5lx | 2038.8 |
| 2m | 209.5lx | 2718.4 |
| 3m | 93.13lx | 4077.6 |

**4000K**

| Height | Lux | Diameter mm |
|---|---|---|
| 0.5m | 3352lx | 673.2 |
| 1m | 838lx | 1346.5 |
| 1.5m | 372.4lx | 2019.7 |
| 2m | 209.5lx | 2693 |
| 3m | 93.11lx | 4039.4 |

# 9W

Works on most brands of electronic transformer and 12V DC power supplies, including VIBE, VIPER, POSSUM and REDBACK.

**3000K**

| Height | Lux | Diameter mm |
|---|---|---|
| 0.5m | 6013lx | 590.2 |
| 1m | 1503lx | 1180.4 |
| 1.5m | 668.1lx | 1770.7 |
| 2m | 375.8lx | 2360.9 |
| 3m | 167lx | 3541.3 |

**4000K**

| Height | Lux | Diameter mm |
|---|---|---|
| 0.5m | 5595lx | 602 |
| 1m | 1399lx | 1204.1 |
| 1.5m | 621.6lx | 1806.1 |
| 2m | 349.6lx | 2408.2 |
| 3m | 155.4lx | 3612.3 |

# Dimmable

The 6W and 9W Retrofit Lamps shown are able to be dimmed using trailing edge dimmers with electronic transformers ONLY.

*Use of leading edge dimmers will cause premature lamp failure.
*Use of Iron Core transformers will cause dimmer failure.
*Minimum loads apply - dimmer requires either 3 x 6W or 2 x 9W lamps to be able to dim correctly.

**Suitable Transformers:**

**ATCO POSSUM**

**ATCO VIPER**





**VIBE**

**OSRAM REDBACK**