

Features

- Designed as a direct retrofit to most MR16 lighting fixtures
- Low power consumption. 4W LED lamp, for replacement of 35W / 50W halogen lamp
- Long life. 50,000 hours rated life to 70% of initial light output
- Unique thermal system. It's effective to keep LED junction temperature below 90°C, with only 60°C of housing temperature
- Wide selections of CCT and beam angle
- Excellent color rendering. CRI - 80 with warm white and neutral white
- RoHS compliant
- UV and IR free



Description

Luminux is proud to present you the Spider II MR16 LED Lamp which offers the highest light output with minimal power consumption. This product utilizes a high power and ultra efficient LED light source with high clarity lens and optimized thermal heat sink.

Product Offering

| Item | Wattage | Input Voltage | Color Temperature |
|--------------------|---------|---------------|--------------------|
| PMR16F-09-04W3-40B | 4W | 12VAC/DC | 2800K (Warm white) |
| PMR16F-09-04C2-40B | 4W | 12VAC/DC | 5500K (Cool white) |

- Beam Angle selection 10°/ 30°/ 40°/ 50° full beam angle
- CCT range selection: 2500-4000K; 5000-6500K
- Housing finish: black or silver

Application Information

| Applications | Notes |
|---|--|
| Tracking lighting | ·Operating temperature range between -20°C and +40°C (-4°F and +104°F) |
| Spot lighting | ·For used in dry indoor only |
| Display and cabinet lighting | ·Not for use with dimmers or in luminaires controlled by a dimmer |
| Architectural lighting | ·Not for use where exposed to weather |
| Art gallery and museum | ·Not for use in totally enclosed recessed fixtures |
| Industrial and commercial area lighting | ·Not intended for use with emergency exit fixtures or emergency lights ·Do not look into the light directly |


Performance Summary

| Item | Nominal | | Lumen Output | Beam Angle | CR1 | Efficiency | Housing Temperature |
|--------------------|---------|---------------------|--------------|------------|-----|------------|---------------------|
| | Wattage | Input Voltage CCT | | | | | |
| PMR16F-09-04W3-40B | 4W | 12VAC/DC 2800-3000K | 194lm | 40° | 82 | 86% | 60°C |
| PMR16F-09-04C2-40B | 4W | 12VAC/DC 5500-6500K | 257lm | 40° | 75 | 86% | 60°C |


Note: All specifications @ 25°C ambient condition

Photometrics

| Throw Distance | 2800-3000K / 15° | | 2800-3000K / 25° | | 2800-3000K / 40° | |
|----------------|------------------|-------------|------------------|-------------|------------------|-------------|
| | Beam width | Illuminance | Beam width | Illuminance | Beam width | Illuminance |
| 1m | 0.5m | 1600 lux | 0.9m | 1177 lux | 1.0m | 950 lux |
| 2m | 1.1m | 460 lux | 1.0m | 300 lux | 1.7m | 250 lux |
| 3m | 1.6m | 190 lux | 1.4m | 127 lux | 2.4m | 130 lux |

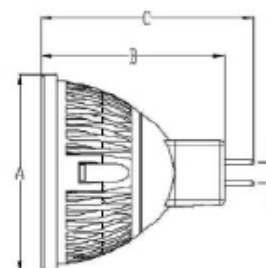


| Throw Distance | 5500-6500K / 30° | | 5500-6500K / 40° | | 5500-6500K / 50° | |
|----------------|------------------|-------------|------------------|-------------|------------------|-------------|
| | Beam width | Illuminance | Beam width | Illuminance | Beam width | Illuminance |
| 1m | 0.5m | 2520 lux | 0.9m | 1790 lux | 1.0m | 1660 lux |
| 2m | 1.1m | 680 lux | 1.0m | 467 lux | 1.7m | 400 lux |
| 3m | 1.6m | 370 lux | 1.4m | 193 lux | 2.4m | 210 lux |



Dimension

| Lamp Type | A (mm) | B (mm) | C (mm) | D (mm) | Weight (g) |
|-----------|--------|--------|--------|--------|------------|
| PMR 16 | 50 | 44 | 51 | 5.3 | 50 |



Packaging Information

| Lamp Type | Dimension (cm) | Gross Weight (kg) | Net Weight (kg) | Qty/Carton |
|-----------|----------------|-------------------|-----------------|------------|
| PMR 16 | 45*34*26cm | 9 | 7.2 | 144 |

Ordering Guide

| PMR 16 | F | O9 | O4 | W3 | 30 | B |
|-----------------------|----------|-------|---------|---------------------------------|------------|----------------|
| Lamp Type | Voltage | Bass | Wattage | CCT | Beam Angle | Housing finish |
| PMR16 Multiple lenses | 12VAC/DC | GU5.3 | 4W | W1: 2500-2700K; W2: 2700-2800K; | 10: 10° | B: black |
| 3 CREE X-lamp | | | | W3: 2800-3000K; W4: 3000-3200K; | 30: 30° | S: silver |
| | | | | W5: 3200-3500K; W6: 3500-3700K; | 40: 40° | |
| | | | | W7: 3700-4000K; | 50: 50° | |
| | | | | C1: 5000-5500K; C2: 5500-6500K | | |

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