

# QT-Brightek LED Spot Light Series

## 5W MR16 Spot Light

**Part No.: QMR16-05-XX-Z**

**XX (Color Code) = WW/CW/IB/IG**  
**Z (Beam Angle) = A/B/C/D**

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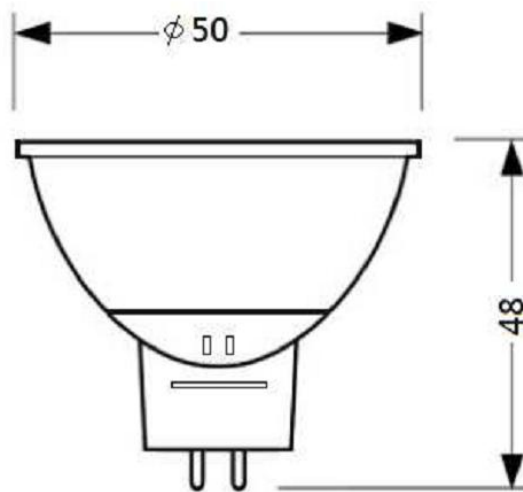
## Introduction

**Features:**

- Input Voltage: AC/DC 12V
- GU 5.3 Holder
- Warm White, Cool White, Green, and Blue Available
- Multiple Beam Angle Options

**Application:**

- Household lighting
- Restaurant lighting
- General lighting

**Outline Dimensions:**

Units: mm

## Specification

### Type A (Beam Angle: 15°)

Part Number	QMR16-05-WW-A	QMR16-05-CW-A
Input Voltage	AC/DC 12V	
Power Dissipation	5W	
Light Color	Warm White (3000K typ.)	Cool White (6500K typ.)
Luminous Flux	280lm typ.	340lm typ.
CRI	70	
Beam Angle	15°	
Operating Temperature Range	-25° ~ +50°	
Storage Temperature Range	-25° ~ +60°	
Operating Humidity Range	5% ~ 95%	
Lifetime	20,000 ~ 30,000 hours	

### Type B (Beam Angle: 25°)

Part Number	QMR16-05-WW-B	QMR16-05-CW-B
Input Voltage	AC/DC 12V	
Power Dissipation	5W	
Light Color	Warm White (3000K typ.)	Cool White (6500K typ.)
Luminous Flux	280lm typ.	340lm typ.
CRI	70	
Beam Angle	25°	
Operating Temperature Range	-25° ~ +50°	
Storage Temperature Range	-25° ~ +60°	
Operating Humidity Range	5% ~ 95%	
Lifetime	20,000 ~ 30,000 hours	

Part Number	QMR16-05-IG-B	QMR16-05-IB-B
Input Voltage	AC/DC 12V	
Power Dissipation	5W	
Light Color	Green	Blue
Luminous Flux	120lm typ.	90lm typ.
Beam Angle	25°	
Operating Temperature Range	-25° ~ +50°	
Storage Temperature Range	-25° ~ +60°	
Operating Humidity Range	5% ~ 95%	
Lifetime	20,000 ~ 30,000 hours	

## Type C (Beam Angle: 40°)

Part Number	QMR16-05-WW-C	QMR16-05-CW-C
Input Voltage	AC/DC 12V	
Power Dissipation	5W	
Light Color	Warm White (3000K typ.)	Cool White (6500K typ.)
Luminous Flux	280lm typ.	340lm typ.
CRI	70	
Beam Angle	40°	
Operating Temperature Range	-25°~ +50°	
Storage Temperature Range	-25°~ +60°	
Operating Humidity Range	5% ~ 95%	
Lifetime	20,000 ~ 30,000 hours	

## Type D (Beam Angle: 60°)

Part Number	QMR16-05-WW-D	QMR16-05-CW-D
Input Voltage	AC/DC 12V	
Power Dissipation	5W	
Light Color	Warm White (3000K typ.)	Cool White (6500K typ.)
Luminous Flux	280lm typ.	340lm typ.
CRI	70	
Beam Angle	60°	
Operating Temperature Range	-25°~ +50°	
Storage Temperature Range	-25°~ +60°	
Operating Humidity Range	5% ~ 95%	
Lifetime	20,000 ~ 30,000 hours	

## Revision History

Description:	Revision #	Revision Date
New Release of QMR16-05-XX-Z	V1.0	12/11/2013
Add green and blue (25 Deg)	V1.1	03/27/2014

## Disclaimer

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1. Life support devices or systems are devices or systems which, (a) are intended for surgical implant into the body, or (b) support or sustain life, and (c) whose failure to perform when properly used in accordance with instructions for use provided in the labeling, can be reasonably expected to result in a significant injury of the user.
2. A critical component in any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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