



### Product Specifications

- Light Source** - 1 x 6.7W Sharp LED Chip
- Optics** - Aluminium Reflector with Metalised Coating
- Bulb Type** - AR111
- Beam Angle** - 15° (Narrow Spot)
- Rendering Index** - >70 (Warm White)  
>65 (Natural White)  
>60 (Cool White)
- Total Length** - 73.5mm
- Weight** - 61 ± 2g
- Heatsink** - Machined Pure Aluminium with Anodize Finish
- Base Type** - G53
- Dimmability** - Not Dimmable
- Temperature Range** - Ambient: -20°C to 40°C;  
Surface of Lamp: 60°C to 70°C
- Humidity Range** - 0 to 95% Non-Condensing Humidity
- Voltage Requirement** - 12V AC or DC
- Power Consumption** - ≤ 7W
- Power Factor** - ≥ 0.9

| Code         | Colour        | CCT (nm/K)   | Base Type | Operating Voltage | LED Power (W) | Luminous Flux (lm) | Illuminance @ 2m (lm) | Beam Angle |
|--------------|---------------|--------------|-----------|-------------------|---------------|--------------------|-----------------------|------------|
| AR111W-7-1/S | Cool White    | 6000 - 7000K | G53       | 12V AC/DC         | 1 x 6.7W      | 400lm              | n/a                   | 15° ± 2°C  |
| AR111N-7-1/S | Natural White | 5000 - 6000K | G53       | 12V AC/DC         | 1 x 6.7W      | 450lm              | 500                   | 15° ± 2°C  |
| AR111V-7-1/S | Warm White    | 2600 - 3000K | G53       | 12V AC/DC         | 1 x 6.7W      | 300lm              | 390                   | 15° ± 2°C  |

### 7W LED AR111 Bulb Illuminance Measurement

|     | CW  | NW   | WW   |    |
|-----|-----|------|------|----|
| Lux | n/a | 1900 | 1400 | 1M |
| øcm | n/a | 50   | 50   |    |
| Lux | n/a | 500  | 390  | 2M |
| øcm | n/a | 90   | 90   |    |
| Lux | n/a | 230  | 190  | 3M |
| øcm | n/a | 97   | 97   |    |
| Lux | n/a | 160  | 120  | 4M |
| øcm | n/a | 130  | 130  |    |

