

# MR16 / PAR16 - Type B [Dimmable]

**SAMSUNG LED**  
Inside

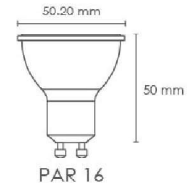
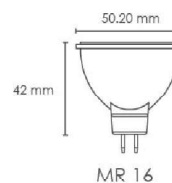
**MR16 GU5.3**  
12V / 240V



**PAR16 GU10**



**COLOUR OF LIGHT** [3000K]  
[4000K]



| Model                         | MR16-GU5.3                                                    |                                                               | PAR16-GU10                                                    |
|-------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|
|                               | 12V                                                           | 240V                                                          |                                                               |
| Optical Specification         |                                                               |                                                               |                                                               |
| • Color Temperature (CCT)     | 3000 K / 6500 K                                               | 3000 K / 4000 K                                               | 3000 K / 4000 K                                               |
| • Color                       | Warm White / Cool White                                       | Warm White / Neutral White                                    | Warm White / Neutral White                                    |
| • Color Rendering Index (CRI) | > 80                                                          | > 80                                                          | > 80                                                          |
| • Color Code                  | 830 / 865                                                     | 830 / 840                                                     | 830 / 840                                                     |
| • Luminous Flux               | 430 lm                                                        | 450 lm                                                        | 450 lm                                                        |
| • Luminous Efficacy           | 95 lm / W*                                                    | 82 lm / W*                                                    | 82 lm / W*                                                    |
| • Beam Angle                  | 24°                                                           | 24°                                                           | 24°                                                           |
| Electrical Specification      |                                                               |                                                               |                                                               |
| • Power Consumption           | 4.5 W                                                         | 5.5 W                                                         | 5.5 W                                                         |
| • Input Voltage               | 12 V                                                          | 170 - 265 Vac                                                 | 170 - 265 Vac                                                 |
| • Input Frequency (Normal)    | 50 / 60 Hz                                                    | 50 / 60 Hz                                                    | 50 / 60 Hz                                                    |
| • Power Factor                | N/A                                                           | > 0.9                                                         | > 0.9                                                         |
| • LED Chip                    | Samsung LED                                                   | Samsung LED                                                   | Samsung LED                                                   |
| Mechanical Specification      |                                                               |                                                               |                                                               |
| • Base                        | GU 5.3                                                        | GU 5.3                                                        | GU 10                                                         |
| • Heatsink Material           | High Heat Plastic Injection with Stamped Aluminium (Overmold) | High Heat Plastic Injection with Stamped Aluminium (Overmold) | High Heat Plastic Injection with Stamped Aluminium (Overmold) |
| • Reflector Material          | PMMA                                                          | PMMA                                                          | PMMA                                                          |
| • Ingress Protection          | IP20                                                          | IP20                                                          | IP20                                                          |
| • Operating Temperature       | 0°C ~ 40°C                                                    | 0°C ~ 40°C                                                    | 0°C ~ 40°C                                                    |
| • Operating Humidity          | 20 - 90 % RH                                                  | 20 - 90 % RH                                                  | 20 - 90 % RH                                                  |
| Product Reliability           |                                                               |                                                               |                                                               |
| • Product Lifespan            | > 20,000 hrs                                                  | > 20,000 hrs                                                  | > 20,000 hrs                                                  |

\*Before Electronic Transformer (without loss)