

|                           |  |  |  |  |  |
|---------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Product Name              | Osram 12V                                                                         | Soraa                                                                             | Soraa 12V                                                                           | GU Soraa 7.5W                                                                       | AR1-11 18.5W Soraa                                                                  |
| Product Code              | LED/PRO 3000K-36D                                                                 | LED/SO/7.5W 3K 36D                                                                | LED/SO/10.4W-3K-9D                                                                  | LED/SO/GU/7.5W-3K-36D                                                               | LED/SO 111WW                                                                        |
| Fits without HCL?         | All                                                                               | All                                                                               | DWL/L/LLDMV                                                                         | All                                                                                 | All                                                                                 |
| Beam Angle                | 36°                                                                               | 36°                                                                               | 9°                                                                                  | 36°                                                                                 | SNAP 9°, 35° & 60°                                                                  |
| Colour Temp CW            | n/a                                                                               | n/a                                                                               | n/a                                                                                 | n/a                                                                                 | n/a                                                                                 |
| Colour Temp WW            | 3000 K                                                                            | 3000 K                                                                            | 3000 K                                                                              | 3000 K                                                                              | 3000 K                                                                              |
| Lumens Output - CW        | n/a                                                                               | n/a                                                                               | n/a                                                                                 | n/a                                                                                 | n/a                                                                                 |
| Lumens Output - WW        | 260 lm                                                                            | 435 lm                                                                            | 390 lm                                                                              | 400 lm                                                                              | 1000 lm                                                                             |
| Life Expectancy           | 50000                                                                             | 25000                                                                             | 25000                                                                               | 25000                                                                               | 35000                                                                               |
| Input Voltage             | 12 Volts AC                                                                       | 12 Volts AC/DC                                                                    | 12 Volts AC                                                                         | 230 Volts AC                                                                        | 12 Volts AC/DC                                                                      |
| Warranty                  | 1 Year                                                                            | 1 Year                                                                            | 1 Year                                                                              | 1 Year                                                                              | 1 Year                                                                              |
| LED Chip                  | Osram                                                                             | Soraa                                                                             | Soraa                                                                               | Soraa                                                                               | Soraa                                                                               |
| Base                      | GU5.3                                                                             | GU5.3                                                                             | GU5.3                                                                               | GU10                                                                                | G53                                                                                 |
| Driver / Transformer Rq'd | Trans                                                                             | Trans                                                                             | Trans                                                                               | No                                                                                  | Yes                                                                                 |
| Dimmable                  | No                                                                                | Yes                                                                               | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 |
| Compatible Products       | All MR16                                                                          | All MR16                                                                          | All MR16                                                                            | All GU                                                                              | IG1-11                                                                              |

**Notes:**

1. All output figures are a guide only
2. Compatible transformer recommended: Light Ideas IP67 buriable transformer range or Light Ideas drivers T-4350 for 4 Watt driver and T-12350 for 12 Watt driver
3. All output figures are a guide only
4. LED guarantee: Light Ideas 1 year and thereafter refer to manufacturer
5. For transformer loading Osram 12V and low voltage Soraa draw more than listed wattage

### LED Lamps Specification Sheet

|                           |  |  |  |  |  |
|---------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Product Name              | 2W G9                                                                             | MR16 6W GU10 Tungstram                                                            | MR11 1W                                                                             | G4 1.5W                                                                             | LED Panel 3W                                                                        |
| Product Code              | LED/LP-6WGU-WW-EIS-30D                                                            | LED/TU/GU10-6-35-3000K                                                            | LED/LP-1W-MR11                                                                      | LED / G4-WW                                                                         | LED 4/G4-WW                                                                         |
| Fits without HCL?         | n/a                                                                               | All                                                                               | All                                                                                 | All                                                                                 | All                                                                                 |
| Beam Angle                | 360°                                                                              | 35°                                                                               | 30°                                                                                 | 360°                                                                                | n/a                                                                                 |
| Colour Temp CW            | n/a                                                                               | n/a                                                                               | n/a                                                                                 | n/a                                                                                 | n/a                                                                                 |
| Colour Temp WW            | 3000 K                                                                            | 3000 K                                                                            | 2700 K                                                                              | 2800 K                                                                              | 2800 K                                                                              |
| Lumens Output - CW        | n/a                                                                               | n/a                                                                               | n/a                                                                                 | n/a                                                                                 | n/a                                                                                 |
| Lumens Output - WW        | 140 lm                                                                            | 370 lm                                                                            | 60 lm                                                                               | 80 lm                                                                               | 180 lm                                                                              |
| Life Expectancy           | 30000                                                                             | 50000                                                                             | 30000                                                                               | 30000                                                                               | 30000                                                                               |
| Input Voltage             | 220 Volts                                                                         | 230 Volts                                                                         | 12 Volts<br>AC/DC                                                                   | 12 Volts<br>AC/DC                                                                   | 12 Volts<br>AC                                                                      |
| Warranty                  | 1 Year                                                                            | 1 Year                                                                            | 1 Year                                                                              | 1 Year                                                                              | 1 Year                                                                              |
| LED Chip                  | Unknown                                                                           | COB                                                                               | Cree                                                                                | Cree                                                                                | Cree                                                                                |
| Base                      | G9                                                                                | GU10                                                                              | G4                                                                                  | G4                                                                                  | G4                                                                                  |
| Driver / Transformer Rq'd | No                                                                                | No                                                                                | Trans                                                                               | Trans                                                                               | Trans                                                                               |
| Dimmable                  | No                                                                                | Yes: Leading + Trailing                                                           | No                                                                                  | No                                                                                  | No                                                                                  |
| Compatible Products       | G9 Border                                                                         | GU10                                                                              | Euro Range                                                                          | All G4                                                                              | Mouse, Border Lite                                                                  |

**Notes:**

1. All output figures are a guide only
2. Compatible transformer recommended: Light Ideas IP67 buriable transformer range or Light Ideas drivers T-4350 for 4 Watt driver and T-12350 for 12 Watt driver
3. All output figures are a guide only
4. LED guarantee: Light Ideas 1 year and thereafter refer to manufacturer
5. For transformer loading Osram 12V and low voltage Soraa draw more than listed wattage