




GU10, bright

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|----------------------------------|---|---|---|---|
| Image |  |  |  |  |
| Brand | Megaman | Megaman | Inefficient model | Osram |
| Model | Reflector PAR16 dimmbar | Reflector PAR16 dimmbar | Halogen | LED STAR PAR16 5036° 4,3W/827 GU10 |
| Other models | | | | Beam angle 120 / neutral white |
| Electricity costs(€ in 15 years) | 21 | 17 | 150 | 13 |
| Energy class | A+ | A+ | D | A+ |
| Luminous flux (lm) | 580 | 500 | 350 | 350 |
| Power (W) | 7 | 5.5 | 50 | 4.3 |
| Lumens per watt (lm/W) | 83 | 91 | 7 | 81 |
| Equivalent power (W) | 65 | 50 | n/a | 50 |
| Lamp life time (h) | 25'000 | 25'000 | 2'000 | 15'000 |
| Switching cycles | 1'000'000 | 1'000'000 | 120'000 | 100'000 |
| Dimmable | yes | yes | yes | no |
| Warm white | yes | yes | yes | yes |
| Countries available | on demand | on demand | | on demand |

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|----------------------------------|---|---|--|---|
| Image |  |  |  |  |
| Brand | Sylvania | Girard Sudron | Sylvania | Osram |
| Model | RefLED Superia ES50 GU10 6.5W 525lm 830 40° dim | Spot LED 5W GU10 5000K 380Lm 70° Dim. | RefLED+ ES50 GU10 5.5W 445lm 827 50° dim | LED Superstar PAR16 80 |
| Other models | Beam angle 25° | | | Beam angle 120 / neutral white |
| Electricity costs(€ in 15 years) | 20 | 15 | 17 | 22 |
| Energy class | A+ | A+ | A+ | A+ |
| Luminous flux (lm) | 525 | 380 | 445 | 575 |
| Power (W) | 6.5 | 5 | 5.5 | 7.2 |
| Lumens per watt (lm/W) | 81 | 76 | 81 | 80 |
| Equivalent power (W) | 73 | 50 | 63 | 80 |
| Lamp life time (h) | 25'000 | 35'000 | 25'000 | 25'000 |
| Switching cycles | 100'000 | 100'000 | 100'000 | 100'000 |
| Dimmable | yes | yes | yes | yes |
| Warm white | yes | no | yes | yes |
| Countries available | on demand | on demand | on demand | on demand |

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|-------------------------------------|---|---|--|---|
| Image |  |  |  |  |
| Brand | Onlux | Girard Sudron | Osram | Sylvania |
| Model | DeltaLux Florett | Spot LED 5W GU10 2700K 400Lm 100° Ch. | LED STAR PAR16 8036° 6,9W/827 GU10 | RefLED Superia ES50 GU10 6.5W 500lm 827 40° dim |
| Other models | 3000K, 4500K | dimmable | Beam angle 120 / neutral white | Beam angle 25° |
| Electricity costs(€ in 15 years) | 12 | 15 | 21 | 20 |
| Energy class | A++ | A+ | A+ | A+ |
| Luminous flux (lm) | 325 | 400 | 575 | 500 |
| Power (W) | 4.1 | 5 | 6.9 | 6.5 |
| Lumens per watt (lm/W) | 79 | 80 | 83 | 77 |
| Equivalent power (W) | 50 | 50 | 80 | 70 |
| Lamp life time (h) | 20'000 | 35'000 | 15'000 | 25'000 |
| Switching cycles | 100'000 | 100'000 | 100'000 | 100'000 |
| Dimmable | no | no | no | yes |
| Warm white | yes | yes | yes | yes |
| Countries available | on demand | on demand | on demand | on demand |

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|----------------------------------|---|---|--|---|
| Image |  |  |  |  |
| Brand | Girard Sudron | Girard Sudron | Girard Sudron | Girard Sudron |
| Model | Spot LED 5W GU10 4000K 420Lm 100° Ch. | Spot LED 5W GU10 6500K 440Lm 100° Ch. | Spot LED 7W GU10 3000K 600Lm Dim. Dichroïque COB | Spot LED 6W GU10 3000K 540Lm Dim. COB |
| Other models | | | | |
| Electricity costs(€ in 15 years) | 15 | 15 | 21 | 18 |
| Energy class | A++ | A++ | A++ | A++ |
| Luminous flux (lm) | 420 | 440 | 650 | 580 |
| Power (W) | 5 | 5 | 7 | 6 |
| Lumens per watt (lm/W) | 84 | 88 | 93 | 97 |
| Equivalent power (W) | 50 | 62 | 83 | 75 |
| Lamp life time (h) | 35'000 | 35'000 | 35'000 | 35'000 |
| Switching cycles | 100'000 | 100'000 | 100'000 | 100'000 |
| Dimmable | no | no | yes | yes |
| Warm white | no | no | yes | yes |
| Countries available | on demand | on demand | on demand | on demand |

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|----------------------------------|--|--|--|---------------------------|
| Image |  | | | |
| Brand | Sylvania | Sylvania | Sylvania | Luxram |
| Model | RefLED+ ES50 GU10 5W 380lm 840 40° | RefLED+ ES50 GU10 5.5W 475lm 840 50° dim | RefLED+ ES50 GU10 5.5W 460lm 830 50° dim | LED Spot 2020™ GU10 4W |
| Other models | | | | |
| Electricity costs(€ in 15 years) | 15 | 17 | 17 | 12 |
| Energy class | A+ | A++ | A++ | A+ |
| Luminous flux (lm) | 380 | 475 | 460 | 310 |
| Power (W) | 5 | 5.5 | 5.5 | 4 |
| Lumens per watt (lm/W) | 76 | 86 | 84 | 78 |
| Equivalent power (W) | 55 | 67 | 65 | 45 |
| Lamp life time (h) | 25'000 | 25'000 | 25'000 | 25'000 |
| Switching cycles | 100'000 | 100'000 | 100'000 | 100'000 |
| Dimmable | no | yes | yes | yes |
| Warm white | yes | yes | yes | yes |
| Countries available | on demand | on demand | on demand | on demand |

| | | | | |
|----------------------------------|--|---|-------------------------------------|----------------------------|
| Image |  | | | |
| Brand | Sylvania | Osram | Philips | Philips |
| Model | RefLED Superia ES50 GU10 6.5W 550lm 840 40° dim | LED SUPERSTAR PAR16 5036° 4,6W/827 GU10 | LED classic 50W GU10 WW 36D ND SRT4 | LED 80W GU10 WW 36D D SRT4 |
| Other models | Beam angle 25° | neutral white | | |
| Electricity costs(€ in 15 years) | 20 | 14 | 14 | 21 |
| Energy class | A+ | A+ | A+ | A+ |
| Luminous flux (lm) | 550 | 350 | 355 | 575 |
| Power (W) | 6.5 | 4.6 | 4.6 | 7 |
| Lumens per watt (lm/W) | 85 | 76 | 77 | 82 |
| Equivalent power (W) | 77 | 50 | 50 | 80 |
| Lamp life time (h) | 25'000 | 25'000 | 15'000 | 25'000 |
| Switching cycles | 100'000 | 100'000 | 50'000 | 50'000 |
| Dimmable | yes | yes | no | yes |
| Warm white | no | yes | yes | yes |
| Countries available | on demand | on demand | on demand | on demand |

| | | | | |
|----------------------------------|--|---|---------------------------------------|---|
| Image |  | | | |
| Brand | Philips | Philips | Philips | Philips |
| Model | LEDClassic 65W GU10 WH 36D ND SRT4 | LEDClassic 50W GU10 WW 36D ND 2BC/6 | LED SSW 50W GU10 WW 36D ND SRT4 | LED classic 25W GU10 WW 36D ND SRT4 |
| Other models | | | 1.5 and 3 Watt | |
| Electricity costs(€ in 15 years) | 15 | 13.8 | 15 | 8.1 |
| Energy class | A++ | A+ | A+ | A++ |
| Luminous flux (lm) | 460 | 395 | | |
| Power (W) | 5 | 4.6 | 5 | 2.7 |
| Lumens per watt (lm/W) | 92 | 86 | 99 | 80 |
| Equivalent power (W) | 65 | 50 | 50 | 25 |
| Lamp life time (h) | 15'000 | 15'000 | 15'000 | 15'000 |
| Switching cycles | 50'000 | 50'000 | 50'000 | 50'000 |
| Dimmable | no | no | no | no |
| Warm white | yes | yes | yes | yes |
| Countries available | on demand | on demand | on demand | on demand |

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|----------------------------------|---|------------------------|--|
| Image |  | | |
| Brand | Philips | Xnovum | |
| Model | LEDClassic 50W GU10 WW 36D WGD SRT4 | LCC Spotform GU10 | |
| Other models | | 38° | |
| Electricity costs(€ in 15 years) | 15 | 15 | |
| Energy class | A+ | A+ | |
| Luminous flux (lm) | 395 | 430 | |
| Power (W) | 5 | 5 | |
| Lumens per watt (lm/W) | 79 | 86 | |
| Equivalent power (W) | 50 | | |
| Lamp life time (h) | 15'000 | 35'000 | |
| Switching cycles | 50'000 | | |
| Dimmable | yes | yes | |
| Warm white | yes | yes | |
| Countries available | on demand | on demand | |