

GU10, bright

Image				
Brand	Inefficient model	Girard Sudron	Onlux	Osram
Model	Halogen	Spot LED 5W GU10 2700K 400Lm 100° Ch.	DeltaLux Florett	LED Superstar PAR16 80
Other models		dimmable	3000K, 4500K	Beam angle 120 / neutral white
Electricity costs(€ in 15 years)	150	15	12	22
Energy class	D	A+	A++	A+
Luminous flux (lm)	350	400	325	575
Power (W)	50	5	4.1	7.2
Lumens per watt (lm/W)	7	80	79	80
Equivalent power (W)	n/a	50	50	80
Lamp life time (h)	2'000	35'000	20'000	25'000
Switching cycles	120'000	100'000	100'000	100'000
Dimmable	yes	no	no	yes
Warm white	yes	yes	yes	yes
Countries available		on demand	on demand	on demand

Image				
Brand	Sylvania	Osram	Philips	Philips
Model	RefLED+ ES50 GU10 5.5W 445lm 827 50° dim	LED STAR PAR16 5036° 4,3W/827 GU10	LEDClassic 50W GU10 WW 36D WGD SRT4	LED classic 25W GU10 WW 36D ND SRT4
Other models		Beam angle 120 / neutral white		
Electricity costs(€ in 15 years)	17	13	15	8.1
Energy class	A+	A+	A+	A++
Luminous flux (lm)	445	350	395	
Power (W)	5.5	4.3	5	2.7
Lumens per watt (lm/W)	81	81	79	80
Equivalent power (W)	63	50	50	25
Lamp life time (h)	25'000	15'000	15'000	15'000
Switching cycles	100'000	100'000	50'000	50'000
Dimmable	yes	no	yes	no
Warm white	yes	yes	yes	yes
Countries available	on demand	on demand	on demand	on demand


Image				
Brand	Luxram	Osram	Sylvania	Girard Sudron
Model	LED Spot 2020™ GU10 4W	LED SUPERSTAR PAR16 5036° 4,6W/827 GU10	RefLED+ ES50 GU10 5W 380lm 840 40°	Spot LED 5W GU10 5000K 380Lm 70° Dim.
Other models		neutral white		
Electricity costs(€ in 15 years)	12	14	15	15
Energy class	A+	A+	A+	A+
Luminous flux (lm)	310	350	380	380
Power (W)	4	4.6	5	5
Lumens per watt (lm/W)	78	76	76	76
Equivalent power (W)	45	50	55	50
Lamp life time (h)	25'000	25'000	25'000	35'000
Switching cycles	100'000	100'000	100'000	100'000
Dimmable	yes	yes	no	yes
Warm white	yes	yes	yes	no
Countries available	on demand	on demand	on demand	on demand

Image				
Brand	Sylvania	Philips	Sylvania	Philips
Model	RefLED Superia ES50 GU10 6.5W 500lm 827 40° dim	LED classic 50W GU10 WW 36D ND SRT4	RefLED Superia ES50 GU10 6.5W 525lm 830 40° dim	LED 80W GU10 WW 36D D SRT4
Other models	Beam angle 25°		Beam angle 25°	
Electricity costs(€ in 15 years)	20	14	20	21
Energy class	A+	A+	A+	A+
Luminous flux (lm)	500	355	525	575
Power (W)	6.5	4.6	6.5	7
Lumens per watt (lm/W)	77	77	81	82
Equivalent power (W)	70	50	73	80
Lamp life time (h)	25'000	15'000	25'000	25'000
Switching cycles	100'000	50'000	100'000	50'000
Dimmable	yes	no	yes	yes
Warm white	yes	yes	yes	yes
Countries available	on demand	on demand	on demand	on demand

Image				
Brand	Girard Sudron	Philips	Megaman	Philips
Model	Spot LED 5W GU10 6500K 440Lm 100° Ch.	LEDClassic 50W GU10 WW 36D ND 2BC/6	Reflector PAR16 dimmbar	LEDClassic 65W GU10 WH 36D ND SRT4
Other models				
Electricity costs(€ in 15 years)	15	13.8	17	15
Energy class	A++	A+	A+	A++
Luminous flux (lm)	440	395	500	460
Power (W)	5	4.6	5.5	5
Lumens per watt (lm/W)	88	86	91	92
Equivalent power (W)	62	50	50	65
Lamp life time (h)	35'000	15'000	25'000	15'000
Switching cycles	100'000	50'000	1'000'000	50'000
Dimmable	no	no	yes	no
Warm white	no	yes	yes	yes
Countries available	on demand	on demand	on demand	on demand

Image				
Brand	Girard Sudron	Girard Sudron	Sylvania	Xnovum
Model	Spot LED 6W GU10 3000K 540Lm Dim. COB	Spot LED 7W GU10 3000K 600Lm Dim. Dichroïque COB	RefLED+ ES50 GU10 5.5W 475lm 840 50° dim	LCC Spotform GU10
Other models				38°
Electricity costs(€ in 15 years)	18	21	17	15
Energy class	A++	A++	A++	A+
Luminous flux (lm)	580	650	475	430
Power (W)	6	7	5.5	5
Lumens per watt (lm/W)	97	93	86	86
Equivalent power (W)	75	83	67	
Lamp life time (h)	35'000	35'000	25'000	35'000
Switching cycles	100'000	100'000	100'000	
Dimmable	yes	yes	yes	yes
Warm white	yes	yes	yes	yes
Countries available	on demand	on demand	on demand	on demand

Image				
Brand	Osram	Megaman	Girard Sudron	Sylvania
Model	LED STAR PAR16 8036° 6,9W/827 GU10	Reflector PAR16 dimmbar	Spot LED 5W GU10 4000K 420Lm 100° Ch.	RefLED+ ES50 GU10 5.5W 460lm 830 50° dim
Other models	Beam angle 120 / neutral white			
Electricity costs(€ in 15 years)	21	21	15	17
Energy class	A+	A+	A++	A++
Luminous flux (lm)	575	580	420	460
Power (W)	6.9	7	5	5.5
Lumens per watt (lm/W)	83	83	84	84
Equivalent power (W)	80	65	50	65
Lamp life time (h)	15'000	25'000	35'000	25'000
Switching cycles	100'000	1'000'000	100'000	100'000
Dimmable	no	yes	no	yes
Warm white	yes	yes	no	yes
Countries available	on demand	on demand	on demand	on demand

Image			
Brand	Sylvania	Philips	
Model	RefLED Superia ES50 GU10 6.5W 550lm 840 40° dim	LED SSW 50W GU10 WW 36D ND SRT4	
Other models	Beam angle 25°	1.5 and 3 Watt	
Electricity costs(€ in 15 years)	20	15	
Energy class	A+	A+	
Luminous flux (lm)	550		
Power (W)	6.5	5	
Lumens per watt (lm/W)	85	99	
Equivalent power (W)	77	50	
Lamp life time (h)	25'000	15'000	
Switching cycles	100'000	50'000	
Dimmable	yes	no	
Warm white	no	yes	
Countries available	on demand	on demand	