

Zkouška úsporek

Napájení stejnosměrným proudem z BS 275

Proud I_0 měřen po ustálení, cca 5 minut

Postupné zvyšování napětí po 20 V

Na závěr zpět na 320 V a 15 minut ustálení

Ecolite

25W, 230V, 2700K, 205 mA
E27, 4U, 1600lm, 10000h

U_0	I_0	P_0
[V]	[mA]	[W]
220	46,5	10,23
240	46,0	11,04
260	45,5	11,83
280	45,5	12,74
300	45,0	13,50
320	45,0	14,40
340	45,0	15,30
360	45,0	16,20
320	44,5	14,24

Ecolite

20W, 230V, 2700K, 145 mA
E27, 4U, 1200lm, 8000h

U_0	I_0	P_0
[V]	[mA]	[W]
220	52,5	11,55
240	51,0	12,24
260	50,0	13,00
280	50,0	14,00
300	50,0	15,00
320	50,0	16,00
340	52,0	17,68
360	52,0	18,72
320	50,0	16,00

Brilum Signe

20W, 220-240V, 2700K, 174mA
E27, ξ ,

U_0	I_0	P_0
[V]	[mA]	[W]
220	64,0	14,08
240	62,5	15,00
260	60,5	15,73
280	60,0	16,80
300	60,0	18,00
320	60,0	19,20
340	60,0	20,40
360	60,0	21,60
320	60,0	19,20

Osram Dulux Superstar

24W, 220-240V, 827, 190mA
E27, 3U

U_0	I_0	P_0
[V]	[mA]	[W]
220	76,0	16,72
240	76,0	18,24
260	73,0	18,98
280	72,0	20,16
300	71,5	21,45
320	71,5	22,88
340	72,0	24,48
360	72,0	25,92
320	70,0	22,40

Tungsram E4

15W, 230V,
E27, 2U, WW

U_0	I_0	P_0
[V]	[mA]	[W]
220	38,0	8,36
240	38,0	9,12
260	38,0	9,88
280	38,0	10,64
300	37,5	11,25
320	38,0	12,16
340	37,5	12,75
360	38,0	13,68
320	37,5	12,00

Tungsram E4

20W, 230V,
E27, 2U, WW

U_0	I_0	P_0
[V]	[mA]	[W]
220	50,0	11,00
240	50,0	12,00
260	49,5	12,87
280	48,0	13,44
300	48,5	14,55
320	49,5	15,84
340	50,0	17,00
360	52,5	18,90
320	50,0	16,00

Philips Ecotone Economy
20W, 230-240V, 827, 130mA
E27, 3U

Opravena 10.VI.2014

U_0	I_0	P_0
[V]	[mA]	[W]
220	72,0	15,84
240	68,0	16,32
260	66,5	17,29
280	67,0	18,76
300	66,5	19,95
320	66,5	21,28
340	68,5	23,29
360	71,0	25,56
320	68,0	21,76

Philips PL Electronic-T
20W, 230-240V, 827
E27, 3U, 1200lm

U_0	I_0	P_0
[V]	[mA]	[W]
220	60,0	13,20
240	61,0	14,64
260	60,0	15,60
280	56,5	15,82
300	54,5	16,35
320	52,5	16,80
340	50,0	17,00
360	48,0	17,28
320	53,0	16,96

Philips Genie
14W, 230-240V, 827, 105 mA
E27, 3U, 800lm, 8000h

U_0	I_0	P_0
[V]	[mA]	[W]
220	49,0	10,78
240	48,0	11,52
260	47,5	12,35
280	47,0	13,16
300	47,5	14,25
320	47,5	15,20
340	46,0	15,64
360	46,0	16,56
320	45,0	14,40

IKEA CL405
5W, 220-240V, 2700K, 43mA
E14, ξ , 170lm,

U_0	I_0	P_0
[V]	[mA]	[W]
220	16,0	3,52
240	16,0	3,84
260	16,0	4,16
280	16,0	4,48
300	16,0	4,80
320	16,0	5,12
340	15,5	5,27
360	15,5	5,58
320	16,0	5,12

Tesla Energy Saver (Osram?)
21W, 220-240V, 827, 170mA
E27, 3U

U_0	I_0	P_0
[V]	[mA]	[W]
220	56,5	12,43
240	56,0	13,44
260	56,0	14,56
280	57,0	15,96
300	56,5	16,95
320	56,0	17,92
340	55,0	18,70
360	52,0	18,72
320	52,0	16,64

Eurolite
11W, 230V, 2700K ?
E27, 2U, 550lm, 5000h

U_0	I_0	P_0
[V]	[mA]	[W]
220	18,0	3,96
240	19,0	4,56
260	20,0	5,20
280	20,0	5,60
300	21,5	6,45
320	22,5	7,20
340	24,0	8,16
360	27,5	9,90
320	24,0	7,68