

**Table 1**

Limit values of the harmonic components in the consumed current for the lighting installation under the DSTU IEC 61000-3-2:2004 and the EN 61000-3-2:2006 standards

Harmonic order	2	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39
Power $\leq 25\text{W}$		3.4	1.9	1.0	0.5	0.3	0.3	0.2	0.3	0.2	0.1	0.1	0.1	0.1		0.1	0.1	0.1	0.1	0.1
Power $> 25\text{W}$	2	30·PF*	10	7	5	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Note. \*  $PF$  is a power factor

**Table 2**

Relative errors of Rostok SO-5000 and Meridian SOE-1.02/5KRTD that meter the electricity used by the tested CFLs and LEDs

Light source (LS)	$PF$	$\delta_i$ (%)	$\delta_e$ (%)
Realux 55W	0.3442	8.01	6.07
Maxsus 55W	0.3514	7.97	5.13
Global 46W	0.3067	8.55	5.75
Realux 36W	0.249	17.7	6.18
Philips 14W LED	0.893	12.51	4.48

**Table 3**

Relative errors of Rostok SO-5000 and Meridian SOE-1.02/5KRTD that meter the electrical energy used by several incorporated CFLs

Light source (LS)	$PF$	$\delta_i$ (%)	$\delta_e$ (%)
Maxsus 55W and Realux 55W	0.4339	5.45	5.09
Maxsus 55W, Realux 55W, and Realux 36W	0.4634	4.91	4.72
Maxsus 55W, Realux 55W, Realux 36W, and Global 46W	0.5162	4.25	4.53