



To: Systel Development & Industries Ltd.

02 April, 2009

Att.: Rafael Mogilner

Subject: **EMC tests on ESLS system.**

Dear Sir,

We would like to inform you that ESLS device has being tested at SII EMC laboratory according to EN 55022, EN 55024, EN 61000-6-1, EN 61000-6-3 and FCC part 15 standards requirements.

The ESLS (Energy Saving Light System) consists of:

Ballast: ESLSb series;

Multiple Network Sensor: ESLS-MNS-UNV-4 type;

Wall Control Unit: ESLS-WC-UNV-C type;

Lighting Control Panel: ESLS-LCP-UNV-C/20 type.

For brief test description and results refer to table below.

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Test Description	Standard	Verdict
Conducted emission on frequencies range of 150 kHz to 30 MHz	EN 55022	Pass
Conducted emission on frequencies range of 150 kHz to 30 MHz	FCC part 15	Pass
Radiated emissions in frequencies range: 30 MHz – 1 GHz	EN 55022	Pass
Radiated emissions in frequencies range: 30 MHz – 1 GHz	FCC part 15	Pass
Harmonic emissions & Voltage fluctuations	EN 61000-3-2/3	Pass
Immunity from ESD	EN 55024/ IEC 61000-4-2	Pass
Immunity from radiated electromagnetic fields	EN 55024/ IEC 61000-4-3	Pass
Immunity from Electrical Fast transients (EFT)	EN 55024/ IEC 61000-4-4	Pass
Immunity from Surges	IEC 61000-4-5	Pass
Immunity from conducted disturbances induced by radio-frequency fields	EN 55024/ IEC 61000-4-6	Pass
Immunity from Voltage dips, short interruptions and voltage variations	EN 55024/ IEC 61000-4-11	Pass