

**PRODUCT SPECIFICATION**

**BALLAST TYPE:** HSI 70W/230V/50Hz

**LAMPS:** HIGH PRESSURE SODIUM 70W 1,00A  
METAL HALIDE 70W 1,00A

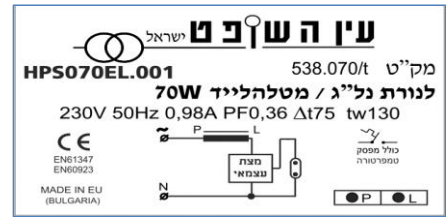
**LABELLED dT:** 75      **TYPICAL / MEASURED dT:** 74

**THERMAL PROTECTION:** YES

**TW:** 130

**Terminal:** Push in spring terminal

**LABEL:**



**BALLAST IS CE-MARKED AND MEETS EN 61347-2-9 & EN 60923 REQUIREMENTS AND OTHER RELEVANT IEC (EN) STANDARDS AND RELEVANT EU DIRECTIVES**

**ELECTRICAL SPESIFICATONS AND TYPICAL ELECTRICAL VALUES & TOLERANCES**

**Electric steel:** M530-50A or 2212-GOST 21427.2-83

**Enamelled wire:** According to IEC 317-13 Class 200

**Grade:** Grade 1

	Impedance		Losses	Abnormal impedance			Lamp power	Resistance
	Up100	Ip100	Pp100	Uk106	Ik106	Pk106	Typ. PL-%	20°C
	V	A	W	V	A	W	%	ohm
Typical	<b>204.0V</b>	1.000A	14.0W	243.8V	1.600A	27.0W	96	9.6Ω
		<b>1.020A</b>	<b>15.0W</b>		1.960A			<b>10.2Ω</b>
Limits		± 2%	max 15		max 1,96			9,2-10,2

Power losses of ballasts are measured without a lamp.

Resistance values above are compensated values to the temperature of 20 degrees centigrade.

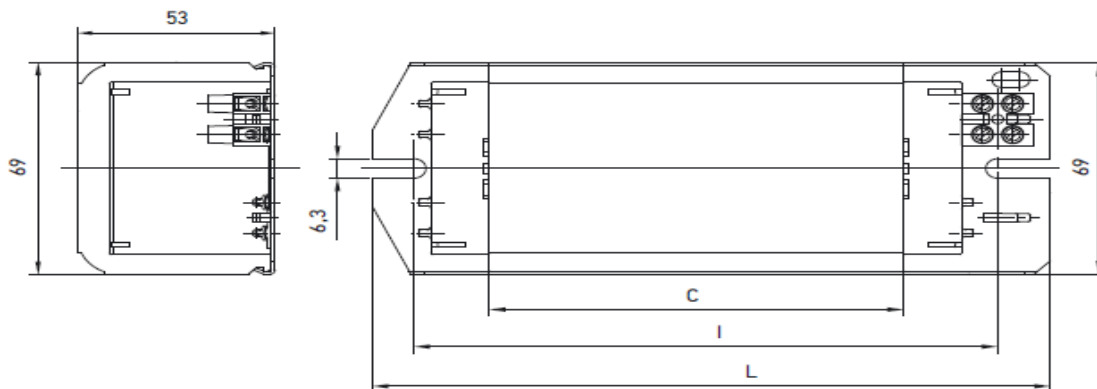
**Acoustic noise level:**

Acoustic noise level must be on an acceptable level.

**MECHANICAL AND PHYSICAL SPECIFICATIONS**

Height	Width	Stack length	Plate length	Fixing length	Weight
mm	mm	mm	mm	mm	Kg
53	69	36	112	87	1.2

**Dimensions**



**PRODUCT SPECIFICATION**

**BALLAST TYPE:** HSI 100W/230V/50Hz

**LAMPS:** HIGH PRESSURE SODIUM 100W 1,20A  
METAL HALIDE 100W 1,20A

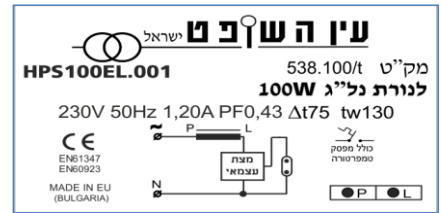
**LABELLED dT:** 75      **TYPICAL / MEASURED dT:** 73

**THERMAL PROTECTION:** YES

**TW:** 130

**Terminal:** Push in spring terminal

**LABEL:**



**BALLAST IS CE-MARKED AND MEETS EN 61347-2-9 & EN 60923 REQUIREMENTS AND OTHER RELEVANT IEC (EN) STANDARDS AND RELEVANT EU DIRECTIVES**

**ELECTRICAL SPESIFICATONS AND TYPICAL ELECTRICAL VALUES & TOLERANCES**

**Electric steel:** M530-50A or 2212-GOST 21427.2-83

**Enamelled wire:** According to IEC 317-13 Class 200

**Grade:** Grade 1

	Impedance		Losses	Abnormal impedance			Lamp power	Resistance
	Up100	Ip100	Pp100	Uk106	Ik106	Pk106	Typ. PL-%	20°C
	V	A	W	V	A	W	%	ohm
Typical	192.0V	1.200A	15.0W	243.8V	2.100A	37.0W	97.1	7.5Ω
		1.224A	16.0W		2.400A			7.7Ω
Limits		± 2%	max 16		max 2,40			7,20-7,70

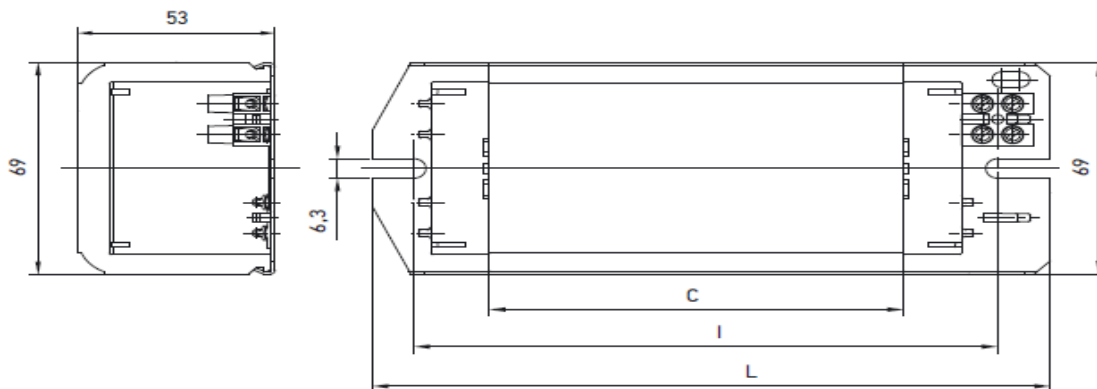
Power losses of ballasts are measured without a lamp.  
Resistance values above are compensated values to the temperature of 20 degrees centigrade.

**Acoustic noise level:**  
Acoustic noise level must be on an acceptable level.

**MECHANICAL AND PHYSICAL SPECIFICATIONS**

Height	Width	Stack length	Plate length	Fixing length	Weight
mm	mm	mm	mm	mm	Kg
53	69	36	112	87	1.2

**Dimensions**



**PRODUCT SPECIFICATION**

**BALLAST TYPE:** MVI 125W/230V/50Hz

**LAMPS:** HIGH PRESSURE MERCURY VAPOUR 125W 1,15A

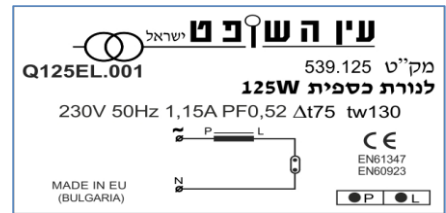
**LABELLED dT:** 75      **TYPICAL / MEASURED dT:** 70

**THERMAL PROTECTION:** NO

**TW:** 130

**Terminal:** Push in spring terminal

**LABEL:**



**BALLAST IS CE-MARKED AND MEETS EN 61347-2-9 & EN 60923 REQUIREMENTS AND OTHER RELEVANT IEC (EN) STANDARDS AND RELEVANT EU DIRECTIVES**

**ELECTRICAL SPESIFICATONS AND TYPICAL ELECTRICAL VALUES & TOLERANCES**

**Electric steel:** M530-50A or 2212-GOST 21427.2-83

**Enamelled wire:** According to IEC 317-13 Class 200

**Grade:** Grade 1

	Impedance		Losses	Abnormal impedance			Lamp power	Resistance
	Up100	Ip100	Pp100	Uk106	Ik106	Pk106	Typ. PL-%	20°C
	V	A	W	V	A	W	%	ohm
Typical	<b>175.0V</b>	1.150A	14.0W	243.8V	2.200A	39.0W	96	7.45Ω
		<b>1.173A</b>	<b>15.0W</b>		2.300A			<b>7.70Ω</b>
Limits		± 2%	max 15		max 2,30			<b>6.80-7,70</b>

Power losses of ballasts are measured without a lamp.

Resistance values above are compensated values to the temperature of 20 degrees centigrade.

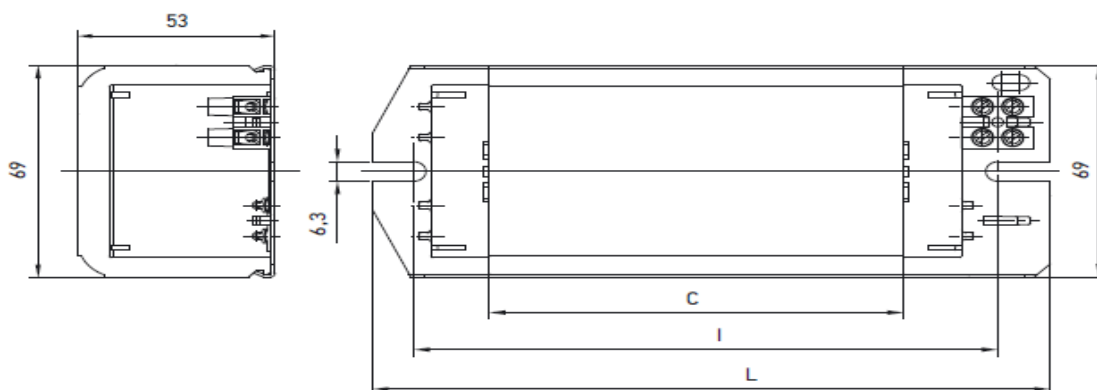
**Acoustic noise level:**

Acoustic noise level must be on an acceptable level.

**MECHANICAL AND PHYSICAL SPECIFICATIONS**

Height	Width	Stack length	Plate length	Fixing length	Weight
mm	mm	mm	mm	mm	Kg
53	69	36	112	87	1.2

**Dimensions**



**PRODUCT SPECIFICATION**

**BALLAST TYPE:** HSI 150W/230V/50Hz

**LABEL:**

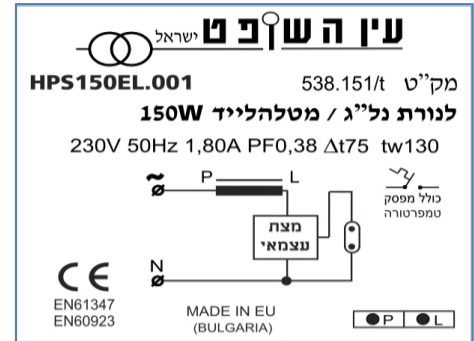
**LAMPS:** HIGH PRESSURE SODIUM 150W 1,8A  
METAL HALIDE 150W 1,8A

**LABELLED dT:** 75      **TYPICAL / MEASURED dT:** 72

**THERMAL PROTECTIO** YES

**TW:** 130

**Terminal:** Screw connector



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**ELECTRICAL SPESIFICATONS AND TYPICAL ELECTRICAL VALUES & TOLERANCES**

	Impedance		Losses	Abnormal impedance			Lamp power	Resistance
	Up100	Ip100	Pp100	Uk106	Ik106	Pk106	Typ. PL-%	20°C
	V	A	W	V	A	W	%	ohm
Typical	<b>194.0V</b>	1.800A	17.5W	243.8V	2.800A	38.4W	97.5	3.59Ω
Limits		± 2%	max 20		max 3,0			3,55-3,85

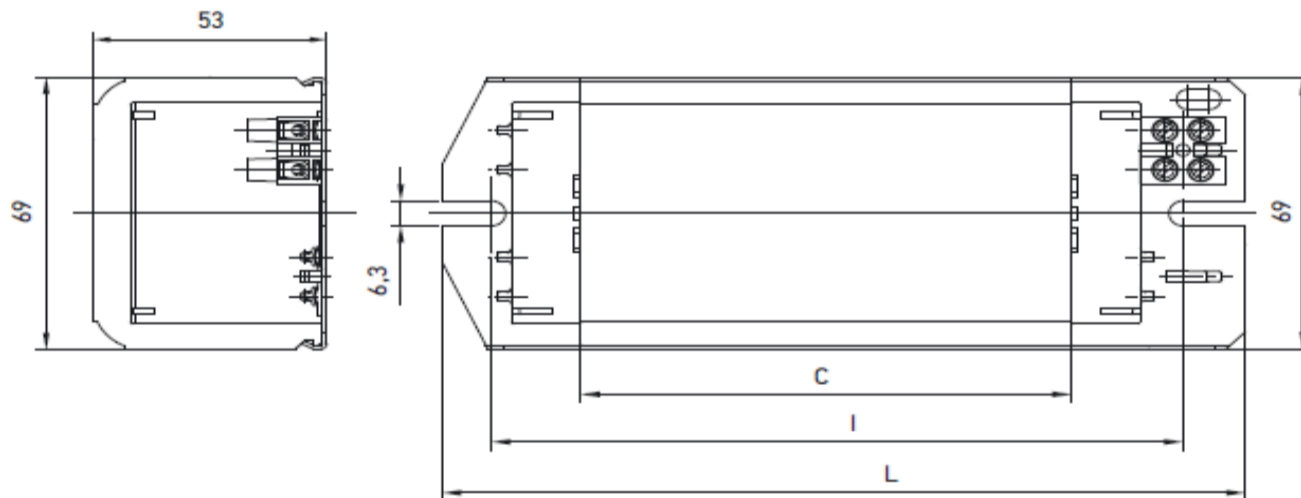
Power losses of ballasts are measured without a lamp.  
Resistance values above are compensated values to the temperature of 20 degrees centigrade.

**Acoustic noise level:**  
Acoustic noise level must be on an acceptable level.

**MECHANICAL AND PHYSICAL SPECIFICATIONS**

Height	Width	Stack length	Plate length	Fixing length	Weight
mm	mm	mm	mm	mm	Kg
53	69	64	145	120	1.83

**Dimensions**



**PRODUCT SPECIFICATION**

**BALLAST TYPE:** HSI 250W/230V/50Hz

**LAMPS:** HIGH PRESSURE SODIUM 250W 3,00A  
METAL HALIDE 250W 3,00A

**LABELLED dT:** 80      **TYPICAL / MEASURED dT:** 78

**THERMAL PROTECTIO** YES

**TW:** 130

**Terminal:** Screw connector

**LABEL:**



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**ELECTRICAL SPECIFICATIONS AND TYPICAL ELECTRICAL VALUES & TOLERANCES**

	Impedance		Losses	Abnormal impedance			Lamp power	Resistance
	Up100 V	Ip100 A	Pp100 W	Uk106 V	Ik106 A	Pk106 W	Typ. PL-% %	20°C ohm
Typical	198.0V	3.000A	30.5W	243.8V	4.900A	66.0W	97.1	1.90Ω
Limits		± 2%	max 31,5		max 5,20			1,87-1,95

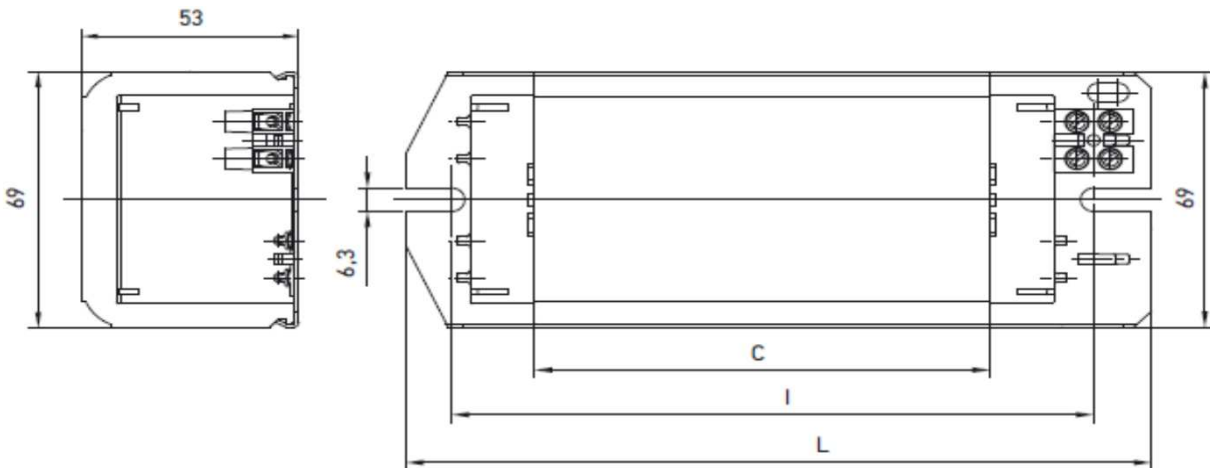
Power losses of ballasts are measured without a lamp.  
Resistance values above are compensated values to the temperature of 20 degrees centigrade.

**Acoustic noise level:**  
Acoustic noise level must be on an acceptable level.

**MECHANICAL AND PHYSICAL SPECIFICATIONS**

Height	Width	Stack length	Plate length	Fixing length	Weight
mm	mm	mm	mm	mm	Kg
53	69	110	180	155	2.95

**Dimensions**



## PRODUCT SPECIFICATION

**BALLAST TYPE:** HSI 250W/230V/50Hz  
METAL HALIDE 250W 3,00A

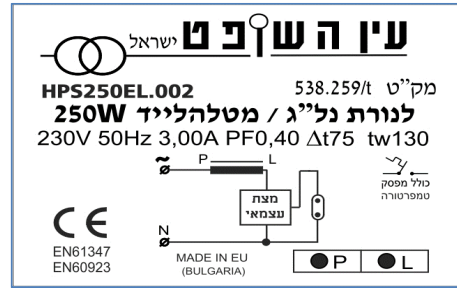
**LABELLED dT:** 75      **TYPICAL / MEASURED dT:** 73

**THERMAL PROTECTIO** YES

**TW:** 130

**Terminal:** Screw connector

**LABEL:**



**BALLAST IS CE-MARKED AND MEETS EN 61347-2-9 & EN 60923 REQUIREMENTS AND OTHER RELEVANT IEC (EN) STANDARDS AND RELEVANT EU DIRECTIVES**

### ELECTRICAL SPECIFICATIONS AND TYPICAL ELECTRICAL VALUES & TOLERANCES

	Impedance		Losses	Abnormal impedance			Lamp power	Resistance
	Up100 V	Ip100 A	Pp100 W	Uk106 V	Ik106 A	Pk106 W	Typ. PL-%	20°C ohm
Typical	197.0V	3.000A	27.0W	243.8V	5.000A	55.0W	96.4	1.68Ω
Limits		± 2%	max 28,5		max 5,20			1,65-1,73

Power losses of ballasts are measured without a lamp.

Resistance values above are compensated values to the temperature of 20 degrees centigrade.

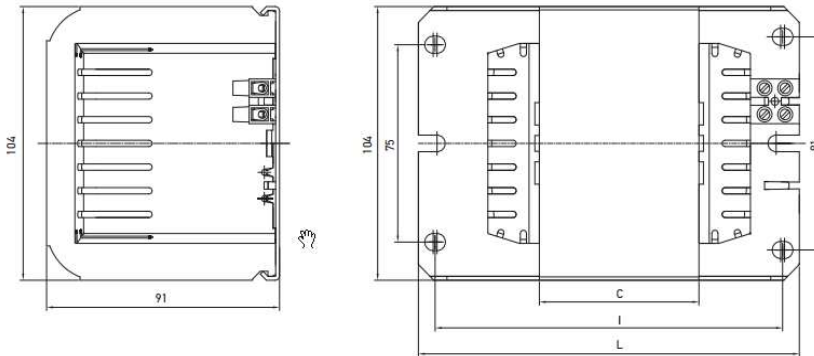
**Acoustic noise level:**

Acoustic noise level must be on an acceptable level.

### MECHANICAL AND PHYSICAL SPECIFICATIONS

Height	Width	Stack length	Plate length	Fixing length	Weight
mm	mm	mm	mm	mm	Kg
91	104	42	133	120	3.3

**Dimensions**



**PRODUCT SPECIFICATION**

**BALLAST TYPE:** HSI 400W/230V/50Hz

**LABEL:**

**LAMPS:** HIGH PRESSURE SODIUM 400W 4,45A

**LABELLED dT:** 80 **TYPICAL / MEASURED dT:** 77

**THERMAL PROTECTIO** YES

**TW:** 130

**Terminal:** Screw connector

**BALLAST IS CE-MARKED AND MEETS EN 61347-2-9 & EN 60923 REQUIREMENTS AND OTHER RELEVANT IEC (EN) STANDARDS AND RELEVANT EU DIRECTIVES**

**ELECTRICAL SPECIFICATIONS AND TYPICAL ELECTRICAL VALUES & TOLERANCES**

	Impedance		Losses	Abnormal impedance			Lamp power	Resistance
	Up100 V	Ip100 A	Pp100 W	Uk106 V	Ik106 A	Pk106 W	Typ. PL-%	20°C ohm
Typical	198.0V	4.450A	36.0W	243.8V	7.300A	85.0W	98	0.85Ω
Limits		± 2%	max 39		max 7,50			0,82-0,88

Power losses of ballasts are measured without a lamp.

Resistance values above are compensated values to the temperature of 20 degrees centigrade.

**Acoustic noise level:**

Acoustic noise level must be on an acceptable level.

**MECHANICAL AND PHYSICAL SPECIFICATIONS**

Height	Width	Stack length	Plate length	Fixing length	Weight
mm	mm	mm	mm	mm	Kg
91	104	62	148	135	4.6

**Dimensions**

