

# PRODUCT SPECIFICATION

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

**LABEL:**

**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



**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        |
|         |           | 0.980A |        |                    |          |       |            | 9.2Ω       |
| Typical | 204.0V    | 1.000A | 14.0W  | 243.8V             | 1.600A   | 27.0W | 96         | 9.6Ω       |
|         |           | 1.020A | 15.0W  |                    | 1.960A   |       |            | 10.2Ω      |
| 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.

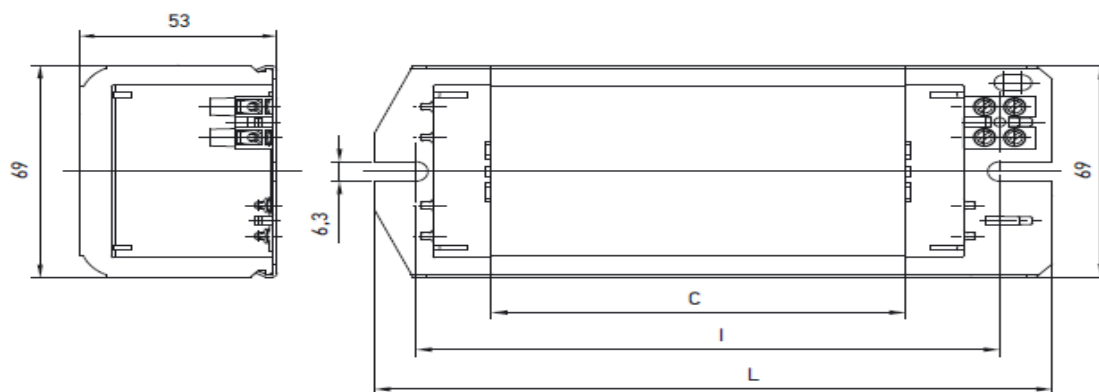
**Acoustic noise level:**

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

**LABEL:**

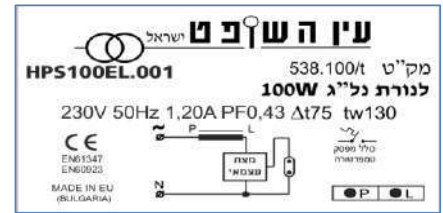
**LAMPS:** HIGH PRESSURE SODIUM 100W 1,20A  
METAL HALIDE 100W 1,20A

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

**THERMAL PROTECTION:** YES

**TW:** 130

**Terminal:** Push in spring terminal



**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.

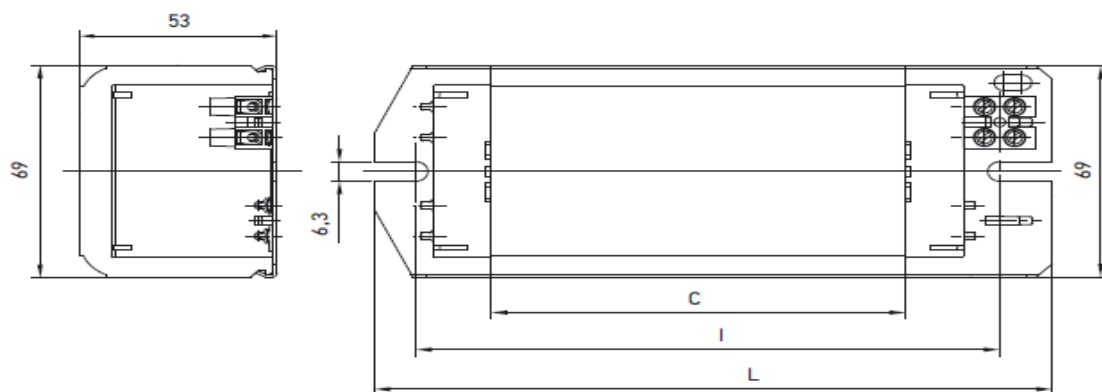
**Acoustic noise level:**

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    |

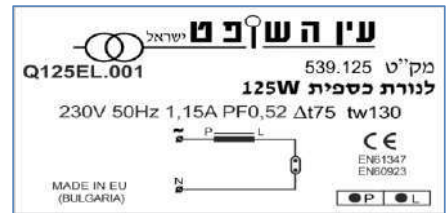
**Dimensions**



# PRODUCT SPECIFICATION

**BALLAST TYPE:** MVI 125W/230V/50Hz  
**LAMPS:** HIGH PRESSURE MERCURY VAPOUR 125W 1,15A

**LABEL:**



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

**THERMAL PROTECTION:** NO

**TW:** 130

**Terminal:** Push in spring terminal

**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        |
|         |           | 1.127A |        |                    |          |       |            | 6.80Ω      |
| Typical | 175.0V    | 1.150A | 14.0W  | 243.8V             | 2.200A   | 39.0W | 96         | 7.45Ω      |
|         |           | 1.173A | 15.0W  |                    | 2.300A   |       |            | 7.70Ω      |
| Limits  |           | ± 2%   | max 15 |                    | max 2,30 |       |            | 6.80-7.70  |

Power losses of ballasts are measured without a lamp.

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

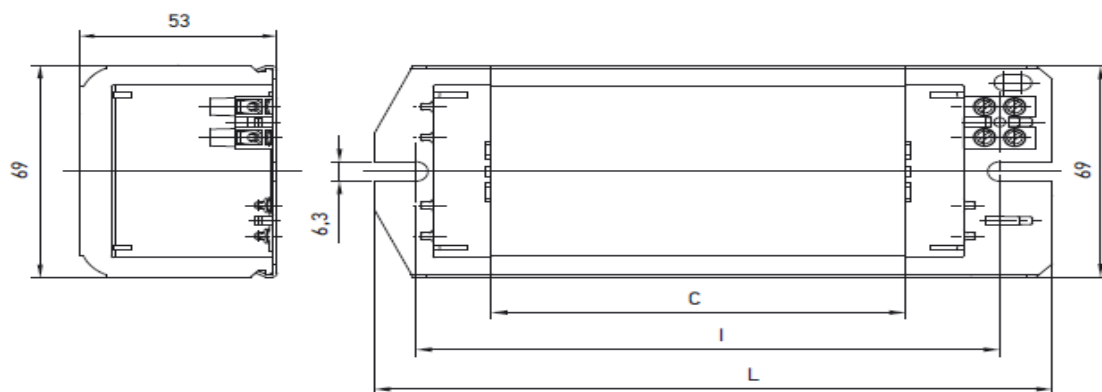
**Acoustic noise level:**

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:** 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



**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

|         | 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 | 194.0V    | 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.

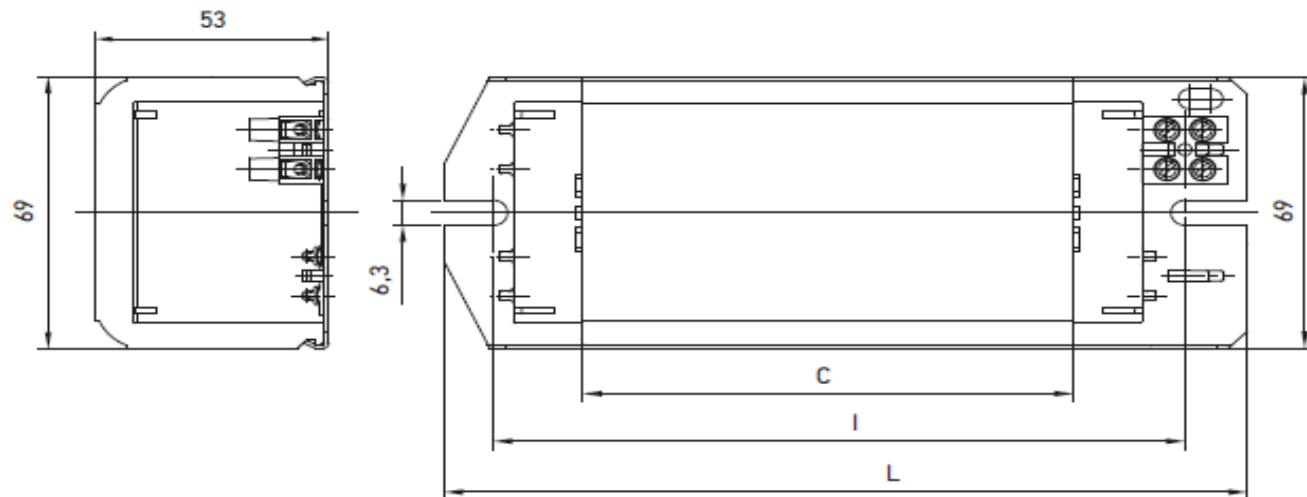
**Acoustic noise level:**

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

**LABEL:**

**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



**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<br>V | Ip100<br>A | Pp100<br>W | Uk106<br>V         | Ik106<br>A | Pk106<br>W | Typ. PL-%<br>% | 20°C<br>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.

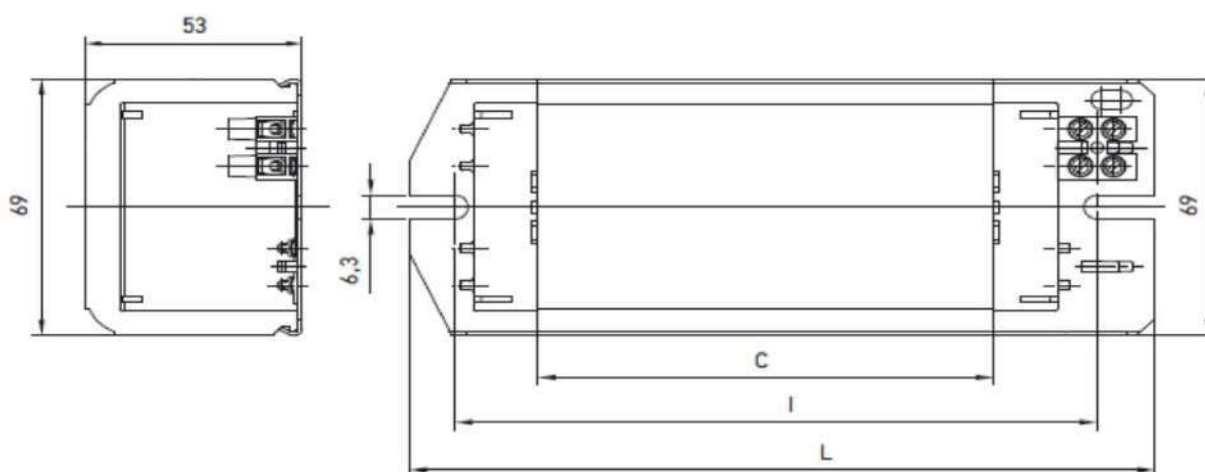
**Acoustic noise level:**

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

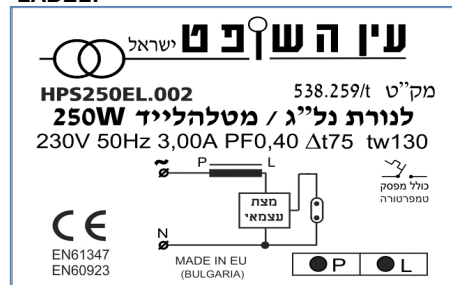
**LABELLED dT:** 75 **TYPICAL / MEASURED dT:** 73

**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     | Ip100  | Pp100    | Uk106              | Ik106    | Pk106 | Typ. PL-%  | 20°C       |
|         | V         | A      | W        | V                  | A        | W     | %          | 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.

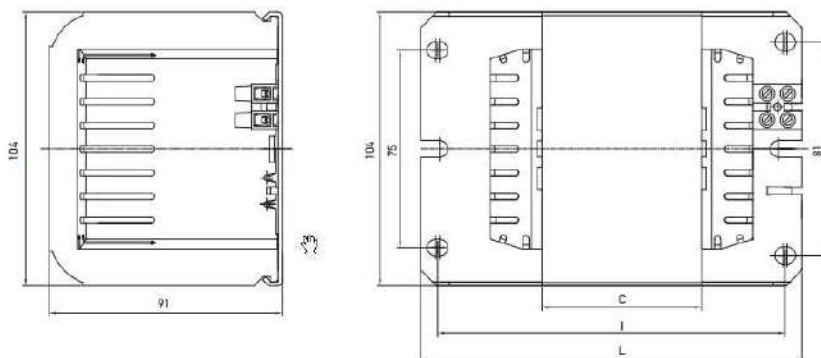
**Acoustic noise level:**

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<br>V | Ip100<br>A | Pp100<br>W | Uk106<br>V         | Ik106<br>A | Pk106<br>W | Typ. PL-%  | 20°C<br>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

