

# ILUEST Series

## Stabilizer and light flow dimmer

The **ILUEST** stabilizers-light flow dimmers from **SALICRU** assure an important energy saving as well as an optimal performance's qualities of the discharge lamps.

The **ILUEST** guarantee that the voltage to the lamps is always within the range of nominal value planned, getting the ideals real flow and lighting levels. It allows a controlled and soft dimming of the power supply, uniform flow and important energy saving.

This series conjugates the prolonged experience of **SALICRU** in the market, either in the implicated technology of the electronic stabilization of high level, or the real needs of the actual public lighting.



### Main features.

- Instantaneous stabilization in all the performance status.
- Increase the lifetime of the lamps.
- Energy saving higher than 40%.
- High capacity of control, communication and GSM modem.
- Easy installation.
- Fast pay-back.

MODEL II/II	POWER (VA)	(*) DIMENSIONS / WEIGHT (Kg) DEPTH x WIDTH x HEIGHT mm	(**) DIMENSIONS / WEIGHT (Kg) WIDTH x HEIGHT x DEPTH mm
<b>NE 3,5</b>	3.500	235 x 270 x 730 / 42	320 x 500 x 1000 / 72
<b>NE 5</b>	5.000	235 x 270 x 730 / 43	320 x 500 x 1000 / 73
<b>NE 7,5</b>	7.500	235 x 270 x 730 / 45	320 x 500 x 1000 / 75
<b>NE 10</b>	10.000	235 x 270 x 730 / 46	320 x 500 x 1000 / 76
<b>NE 15</b>	15.000	235 x 270 x 730 / 50	320 x 500 x 1000 / 80
<b>NE 20</b>	20.000	235 x 270 x 730 / 65	320 x 500 x 1000 / 105

MODEL III/III	POWER (VA)	(*) DIMENSIONS / WEIGHT (Kg) DEPTH x WIDTH x HEIGHT mm	(**) DIMENSIONS / WEIGHT (Kg) WIDTH x HEIGHT x DEPTH mm
<b>NET 7,5 - 4</b>	7.500	235 x 653 x 840 / 60	320 x 770 x 1.098 / 94
<b>NET 10 - 4</b>	10.000	235 x 653 x 840 / 81	320 x 770 x 1.098 / 116
<b>NET 15 - 4</b>	15.000	235 x 653 x 840 / 81	320 x 770 x 1.098 / 116
<b>NET 20 - 4</b>	20.000	235 x 653 x 840 / 82	320 x 770 x 1.098 / 116
<b>NET 25 - 4</b>	25.000	235 x 653 x 840 / 90	320 x 770 x 1.098 / 125
<b>NET 30 - 4</b>	30.000	235 x 653 x 840 / 95	320 x 770 x 1.098 / 130
<b>NET 45 - 4</b>	45.000	235 x 653 x 840 / 139	320 x 770 x 1.098 / 173
<b>NET 60 - 4</b>	60.000	235 x 653 x 840 / 161	320 x 770 x 1.098 / 201
<b>NET 80 - 4</b>	80.000	260 x 653 x 1.070 / 204	320 x 770 x 1.348 / 244
<b>NET 100 - 4</b>	100.000	260 x 653 x 1.070 / 214	320 x 770 x 1.348 / 254
<b>NET 120 - 4</b>	120.000	260 x 653 x 1.070 / 225	320 x 770 x 1.348 / 265

(\*) Valid values for chassis version.

(\*\*) Valid values for outdoors version.



### Input

Single voltage	120 V, 220 V, 230 V, 240 V
Three-phase voltage	208 V, 220 V, 230 V, 240 V, 380 V, 400 V, 415 V + N + T
Input range	+ 22%/-6% nominal voltage + 1.5%/-21% saving voltage 1, 39% of saving + 9%/-11% saving voltage 2, 23% of saving
Frequency	48 ÷ 63 Hz
Protection per phase	Single pole MCB (curve C)

### Output

Single phase	120 V, 220 V, 230 V, 240 V
Three-phase	208 V, 220 V, 230 V, 240 V, 380 V, 400 V, 415 V + N + T
Accuracy	> ±2%
Soft start voltage	210 V <sub>AC</sub>
Minimum saving voltage	188 V <sub>AC</sub> (within phase and neutral) Adjustable Voltage for VM, VSAP and HM: 190 V <sub>AC</sub>
Harmonic Distortion	Nil
Efficiency	> 97%
Regulation	Independent per phase
Permissible load power factor	0'5 lagging to 0'7 leading
Unbalance within phases	100% permissible
Saving voltage selection	1 or 2 (by dipswitch per phase)

### Bypass

Automatic, static and independent per phase	Yes
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### Environment

Operating temperature	From -40°C to +45°C
Relative humidity	From 0% to 95%, non-condensing
Maximum altitude	2.400 m. above sea level
MTBF	60.000 hours
MTTR	30 minutes
Noise level at 1m	< 35 dB

### Indicators

Optical (per phase)	"Mode" process, saving order activated "Saving On", tap selected, automatic and static Bypass alarm, automatic Bypass solid state
Audible (per phase)	Bypass alarm

### Housing

The equipments are manufactured in the following versions	- Indoor (chassis) version made of steel at bichromated carbon with four drills in its base for fixing at user's facilities. - Outdoor, metallic cabinets made of steel at carbon with cataphoresis treatment. Or made of polyester.
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### Optional

Tele-management pack, GSM modem, lightning arrestors, manual bypass, timer/astronomical clock, LCD panel and extended communicatins PCB

