

## SET LUX

*High energy/ maintenance cost savings for your street lighting infrastructure*



Through the controlled regulation of lamp voltages, the **SET LUX Light Flow Regulator** series enables you large energy saving cost, guarantees active protection against voltage spikes and increases service life, with the consequent savings in maintenance costs.

**SET LUX** is equipped with a remote control system developed by **ZIGOR**, consisting of an optional GSM MODEM and BACK-UP battery.

### TECHNICAL DESCRIPTION

The equipment is installed in addition to the main lighting switchboards, both in existing and new installations.

**SET LUX** starts operating as soon as the control circuit is energized, it initiates with a gentle start-up period feeding the circuit 240 V. After 5 or 10 minutes have elapsed (selectable) the light flow regulator starts normal operation using the programmable preset voltages.

The system allows lamps to be supplied with 18 controlled voltage steps controlling the ignition process and lowering the voltage supply to obtain maximum energy savings.

### GENERAL TECHNICAL FEATURES

Average energy savings	Ve - 30%
Type of assembly	Modular
Bypass	Automatic
Performance	>98%
Temperature range	-10° +50°
Control circuit	Microprocessor
Frequency	60 Hz
Mains voltage	3x 240/400/480 V +N
Mains variation	+/- 7%
Nominal output voltage	240 V
Nom. Regime Regulation	+/- 1,5%
Start-up output voltage	210 V
Reduced output voltage	180-190-200-210 V
Reduced Regime Regulation	+/- 1,5%

### ADVANTAGES

- Large energy saving cost reducing consumption up to 53%
- Prolongs the service life of lamps
- Reduces maintenance costs
- Lamps supported:
  - M.V: Mercury Vapour
  - H.P.S.V: High Pressure Sodium Vapour
  - M.H: Metal Halide
- Fully modular equipment
- Intelligent operation
- High performance >98%
- Keeps lighting levels constant
- Maintains the power factor of the inst
- Does not cause disturbances in mains



### APPLICATIONS

#### LIGHTING OF:

- Roads, motorways, tunnels
- Streets, housing developments
- Sports complexes, hospitals
- Parking lots, supermarkets
- Airports, ports and stations

	SET LUX 3,3 M	SET LUX 6,6 M	SET LUX 10 M	SET LUX 15 M	SET LUX 20 M
Power	3,3 KVA	6,6 KVA	10 KVA	15 KVA	20 KVA
Total maximum current	15A	30A	43A	66A	90A
Cabinet width	500/400 mm	500/400 mm	500/400 mm	500/460 mm	-/500 mm
Cabinet depth	340/310 mm	340/310 mm	340/310 mm	340/310 mm	-/340 mm
Cabinet height	855/895 mm	855/895 mm	855/895 mm	1355/1245 mm	-/1245 mm
Cabinet weight	46 Kg	48 Kg	60 Kg	115 Kg	140 Kg
Indoor version Width x height x depth (mm.)	335 x 670 x 225	335 x 670 x 225	335 x 670 x 225	430 x 940 x 235	430 x 940 x 280
Weight (Kg) (indoor version + regulator)	29	30	37	96	106

THREE-PHASE RANGE

	SET LUX 10 T	SET LUX 20 T	SET LUX 30 T	SET LUX 45 T	SET LUX 60 T	SET LUX 90 T (1)
Power	10 KVA	20 KVA	30 KVA	45 KVA	60 KVA	90 KVA
Total maximum current	3x15 =45A	3x30=90A	3x43=129A	3x66=198A	3x90=270A	3x130=390A
Maximum current p/phase	15A	30A	43A	66A	90A	130A
Cabinet width	750/780 mm		950 mm (sheet)		1500 mm (sheet)	
Cabinet depth	310/340 mm		360 mm (sheet)		390 mm (sheet)	
Cabinet height	895/1105 mm		1245 mm (sheet)		1550 mm (sheet)	
Cabinet weight	105 Kg	115 Kg	140 Kg	315 Kg	360 Kg	470 Kg
Indoor version Width x height x depth (mm.)	550 x 780 x 225	550 x 780 x 225	550 x 780 x 225	700 x 1080 x 235	700 x 1080 x 280	
Weight (Kg) (indoor version + regulator)	80	86	103	271	307	

(1) For indoor version please contact us

OTHER FEATURES

- Local or remote programming
- Voltage selection between 180 and 240 V
- Independent configuration per phase
- Normal and/or Reduced voltage programming
- Astronomic clock control
- Management software
- Optional remote communications
- By-pass sent with confirmation message
- Sending of configuration settings per phase
- Events storage
- Real Time Display
- UL certification

MAXIMUM CAPACITY WITH LAMPS OF THE SAME POWER

	SET LUX 10 T		SET LUX 20 T		SET LUX 30 T		SET LUX 45 T	
	P/Phase	Total	P/Phase	Total	P/Phase	Total	P/Phase	Total
70 W H.P.S.V. unit	31	93	63	189	95	285	142	426
100 W H.P.S.V. unit	22	66	44	132	66	198	100	300
150 W H.P.S.V. unit	14	42	29	87	45	132	66	198
250 W H.P.S.V. unit	8	24	17	51	26	78	40	120
400 W H.P.S.V. unit	5	15	11	33	16	48	25	75
80 W M.V. unit	27	81	55	165	83	249	125	375
125 W M.V. unit	17	51	35	105	53	159	80	240
250 W M.V. unit	8	24	17	51	26	78	40	120
400 W M.V. unit	5	15	11	33	16	48	25	75
	SET LUX 3,5 M		SET LUX 7 M		SET LUX 10 M		SET LUX 15 M	

	SET LUX 60 T		SET LUX 90 T	
	P/Phase	Total	P/Phase	Total
Equipo 70 w. V.S.A.P	190	570	285	855
Equipo 100 w. V.S.A.P	133	399	200	600
Equipo 150 w. V.S.A.P	88	264	133	399
Equipo 250 w. V.S.A.P	53	159	80	240
Equipo 400 w. V.S.A.P	33	99	50	150
Equipo 80 w. V.M.	166	498	250	750
Equipo 125 w. V.M.	106	318	160	480
Equipo 250 w. V.M.	53	159	80	240
Equipo 400 w. V.M.	33	99	50	150
	SET LUX 20 M			

These specifications may be changed without notice