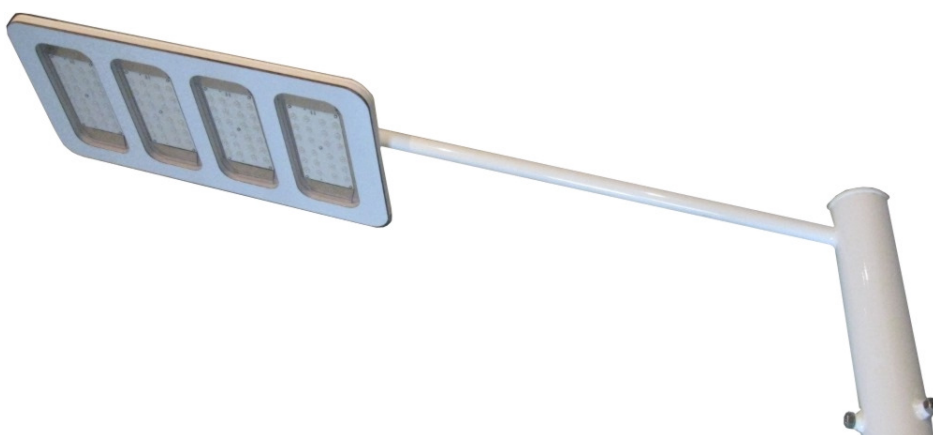




## LED street light model FLAT120

Equipment type:	LED street light
Type/Model:	FLAT120
Nominal voltage:	230 V AC – 50 Hz
Working voltage:	<b>110 to 275 V AC</b>
Working frequency:	0 to 200 Hz
Efficiency:	> <b>93%</b>
Power factor:	> 0,95 (internally integrated power factor correction)
Nominal power:	<b>40 to 120W</b>
Luminous efficacy:	> 102 lm/W with 4200 to 6000 K color LEDs (> 83 lm/W with 2700 K color LEDs)
LED color:	4200 to 6500 K (2700 K optional)
Color rendering index (CRI):	> 80 (Ra > 70 for 4500 do 7000 K LEDs)
Working temperature:	- 30 °C to +70 °C
Storage temperature:	- 5 °C to +70 °C
Humidity:	0 % to 100%
Lamp dimensions:	660 x 330 x 21 mm (length x width x thickness) without support
Mass:	About 5 to 9 kg with support (depend of support length)
Environmental protection:	IP66
Support lengths:	10 cm, 50 cm, 100 cm, 150 cm or other
Material:	Aluminum / polycarbonate
Color:	Originally Gray and White (optional colors are available)
Expected lifespan:	5 to 12 years
Light intensity loss:	Loss of 9% to 15% expected for each 3 years of life (climate dependent)
Additional:	Model FLAT120-S has ability of scanning night length and reducing intensity after half of next night for extra energy savings
Other:	Temperature compensated and surge protected
Purpose:	Public roads and highways for light classes from S3 to ME4 to ME1 (EN 13201 compliant)
Mounting height:	<b>6 do 12 m</b>



Remark: Street light with nominal power up to 50 W has 3 frames, up to 80 W has 4 frames and 120 W has 5 frames.