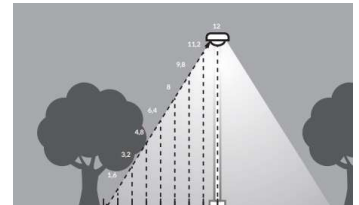


NTE Sistemas LED Street Light SOLAR COMPACT



NTE LED SOLAR COMPACT

The NTE Solar Compact luminaire consists of a photovoltaic panel, a high capacity lithium-ion battery, great durability and is IP65. In addition it includes a charge controller and the option to install a motion sensor. Manufacturers Warrantee 5 years. (3 on the battery). Made in Spain.



With Motion Detection

MOTION SENSOR

The system can incorporate a microwave motion sensor that reduces high intensity and consumption in periods of time when no movement is detected in the zone. The luminaire will turn on when the solar radiation drops below a minimum value. When motion is detected, the light intensity will rise to a marked value, for a set period of time once the detection ceases.

TECHNICAL INFORMATION

Adjustable 180°. Rank Class III. Impact resistance IK09. Protection degree IP65. Load cycles battery 4.000. For ambient temperatures -25° - 50°C. Choice of 9 different model capacities. Optional module for rear lighting. Pole connection Ø76mm. Option steel enclosure for extra protection of the LED modules. Up to 10 years estimate kit life.

READY FOR THE FUTURE

NTE Developed a hardware control system, complemented by their Android Software, that enhances the versatility of the solar luminaires. With this solution users can adjust light regulation in up to 9 levels, modify duration, and activate motion sensors according to their preference. They can also precisely program on/off dimming, of shutdown. The software enables management of luminaire groups, real-time alerts and diagnostics, as well as synchronization of lighting among multiple luminaires, making it ideal for areas with moderate traffic. This hardware connections is optional available for all 3 systems S, M, L.

SPECS

BATTERY:

Maintenance free - LiFePo4 Class A - Usefull battery life up to 4.000 cycles.

SOLAR PANEL:

Tolerance +/- 3% - Nominal voltage 18V / 36V - Open circuit voltage 21,4V - 42,3V

LUMINAIRE:

Voltage 12V / 24V - Capacity (Wh) 320/640/800 Wh - Estimate Kit Life >10 years - Charging Time 8-9 hours.

CONTROL:

Tolerance MPPT Controller - Motion Sensor RF <15m.

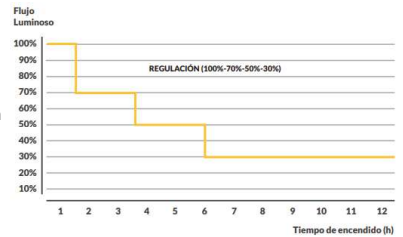
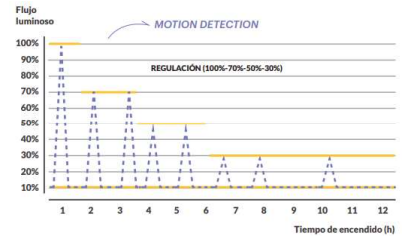
DIMENSIONS

MODEL S: 858 x 398 mm LxW, the height with pole piece is 303mm

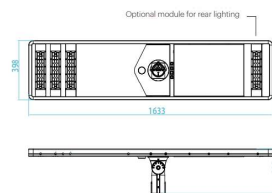
MODEL M: 1103 x 398 mm LxW, the height with pole piece is 303mm

MODEL L: 1633 x 398 mm LxW, the height with pole piece is 303mm

Standard programming example with motion sensor regulation.



Without Motion Detection



Article No.	Description	N of LED	Watt	Battery	Solar panel	lm/W	FLUM	Duration nights without sensor	Duration nights with sensor
83NTE8000	COMPACT S P16	28	16	320 Wh	60 Wp	210	3.356	3	4
83NTE8001	COMPACT S P28	28	28	320 Wh	60 Wp	198	5.551	2	3
83NTE8002	COMPACT S P45	28	48	320 Wh	60 Wp	185	8.336	1	2
83NTE8003	COMPACT M P35	28x2	35	556 Wh	80 Wp	208	7.316	3	4
83NTE8004	COMPACT M P60	28x2	60	556 Wh	80 Wp	197	11.845	2	3
83NTE8005	COMPACT M P85	28x2	85	556 Wh	80 Wp	186	15.871	1	2
83NTE8006	COMPACT L P55	28x3	55	800 Wh	120 Wp	206	11.330	3	4
83NTE8007	COMPACT L P85	28x3	85	800 Wh	120 Wp	198	16.825	2	3
83NTE8008	COMPACT L P120	28x3	120	800 Wh	120 Wp	188	22.593	1	2
83NTE...P	Anti-saline coating	-	-	-	-	-	-	-	-
83NTE8020	Optional Rear light module	28	-	-	-	-	-	-	-