



LEDbow



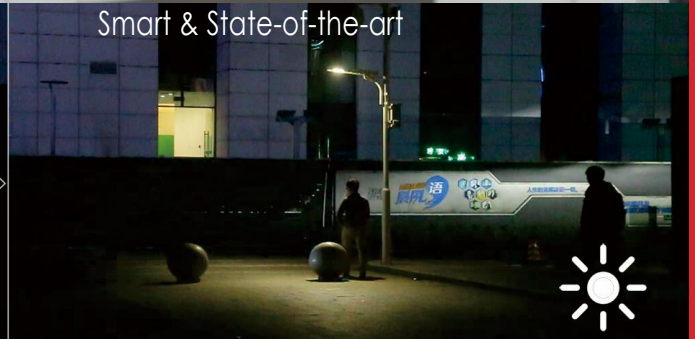
*“ We developed 2 Generations of solar street lights, We **only promote our 3rd Generation**, which is **Neo1**. We feel **Neo1** is perfect so far, after >360 days of continuous tests and modifications in design..”*

- LEDbow Team -

Neo1™

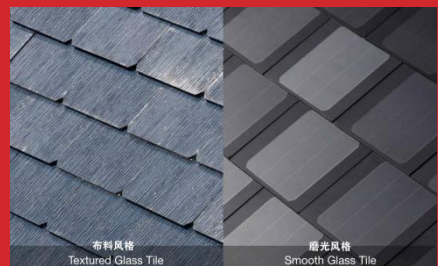
Integrated Solar Street Light

Smart & State-of-the-art



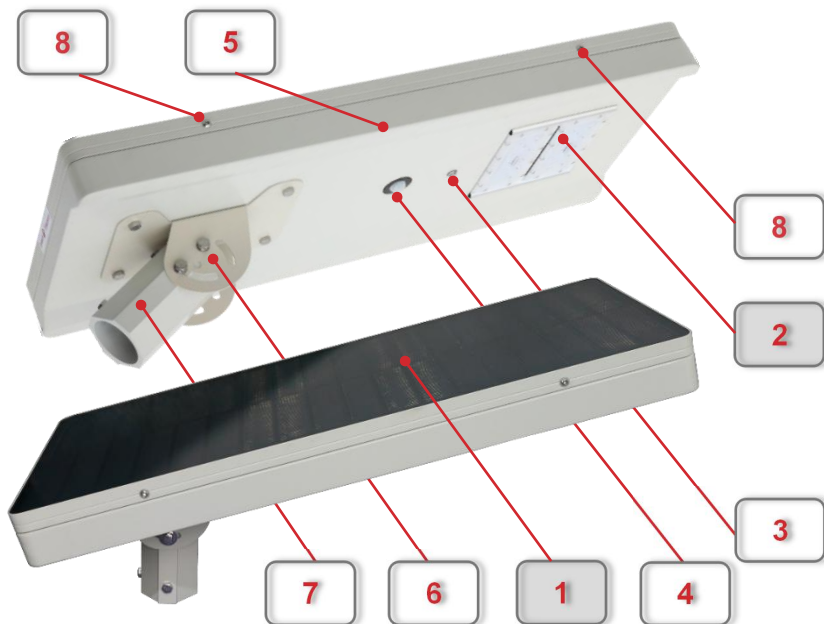
Why **TESLA** also uses **Thin Film** Solar Panel

?



布料风格
Textured Glass Tile

磨光风格
Smooth Glass Tile





Model	DM-TL1-20W
Power Consumption	20W
Overall Light Efficacy	≥110lm/W
Luminous Flux	≥2200lm
Beam Angle	140°×50°
CCT	4000K - 5700K
CRI	≥70
Solar Cell Type	Thin Film OEM by Hanergy
Photovoltaic conversion efficiency	≥14%
Battery Type	Lithium iron phosphate battery
Battery Life	Loop 2000 times, 100%DOD
LED Life Time	≥50000h
Range of InfraRed Sensor	Angle 60° Height 6m Width 7m
Over Charge Voltage	14.6V
Over Discharge Voltage	10.0V
Load Drive Current	600mA
Work Temperature	-30°C - +55°C
Work Humidity	≤95%RH
Shell Material	Aluminum Plate
Protection Level	IP65
Dimming Function	Infrared control + three period control
Dimension (mm)	821×346×236
Weight(Kg)	9kg

MOQ for colored shell is 100 pcs.



1

Colorful Life
Colorful shell
options for U

1. **Thin film solar panel** from  **Hanergy**. High performance in low illumination environment.
2.  **OSRAM** LED imported from Germany.
3. **Lithium Iron phosphate battery**, up to **2000 time** charging & discharging, unlike 500 time with ordinary battery.
4. **Infrared** motion sensor for auto dimming when pedestrian approaching.
5. Aluminum plate body with **anti-UV** coating.
6. Stainless steel plate.
7. Die -cast aluminum pole fixture.
8. Stainless steel screws.
9. Smart power mode and charging mode.
10. **10 Patents** in design, electronics, innovation, etc.



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More Neo1 options

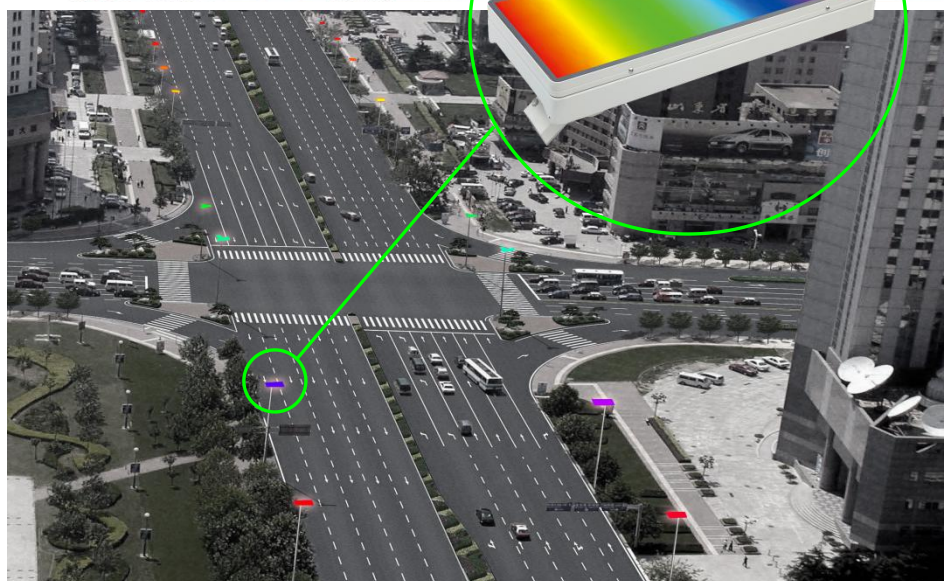
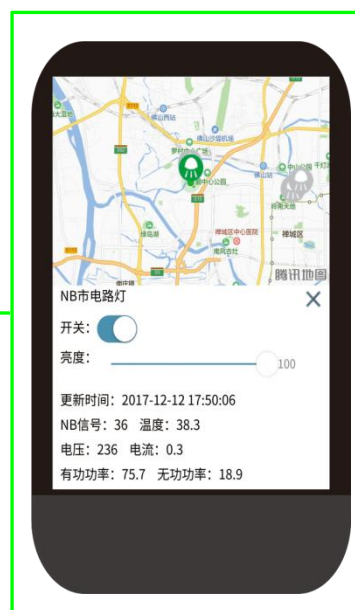
More Power Options	Qty of LEDs (pcs)	Luminous Flux (lm)	Luminaire Light Efficacy (lm/w)	Suggested Pole Size (m)
30W	36	≥3300lm	≥110lm/w	4-5m
40W	36	≥4000lm	≥100lm/w	4-5m
50W	64	≥6000lm	≥120lm/w	5-6m
60W	64	≥6600lm	≥110lm/w	5-6m
70W	72	≥7700lm	≥110lm/w	6-8m
80W	72	≥8000lm	≥100lm/w	6-8m
100W	128	≥12000lm	≥120lm/w	8m
120W	128	≥13200lm	≥110lm/w	8m

A New Landscape with Smart Control based on Cloud technology

Solar panel itself can be a color display in the evening,
A new landscape for cities.

Discover landscape with your mobile devices as well.

Landscape series are available with Commercial Power Supply

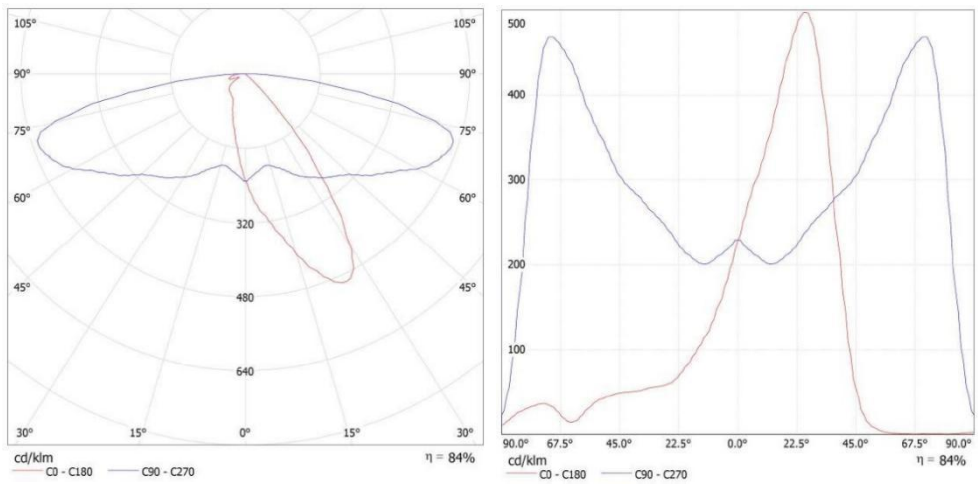
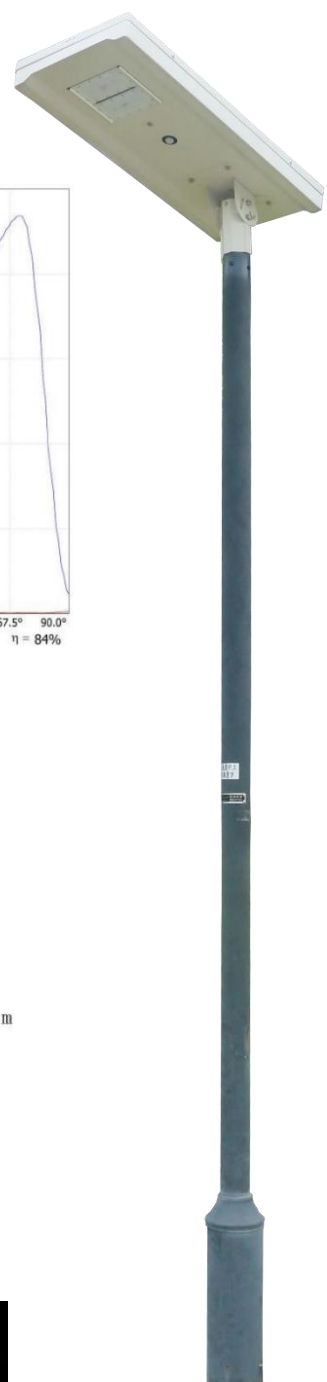


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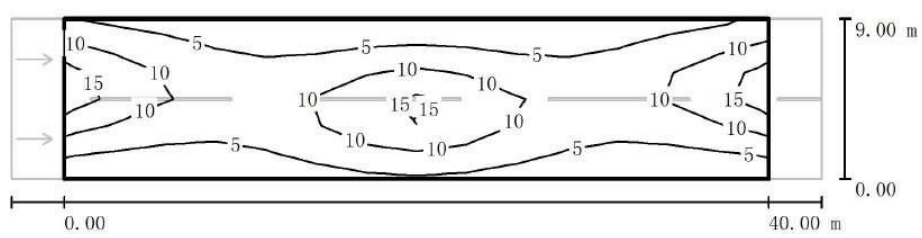
Illumination Performance Based on 20W



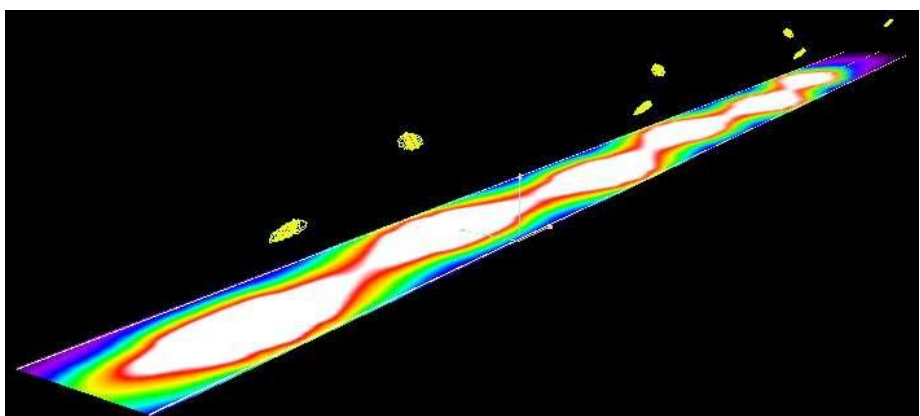
The simulation was based on conditions below.

- Pole height 6m,
- Length of lane is 40m,
- Width of Lane is 9m
- Maintenance factor 0.6.

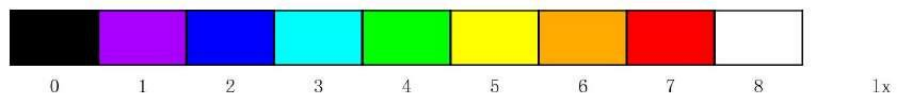
Simulation Result




Isolux Diagram (above)




Pseudo Chromatic Diagram





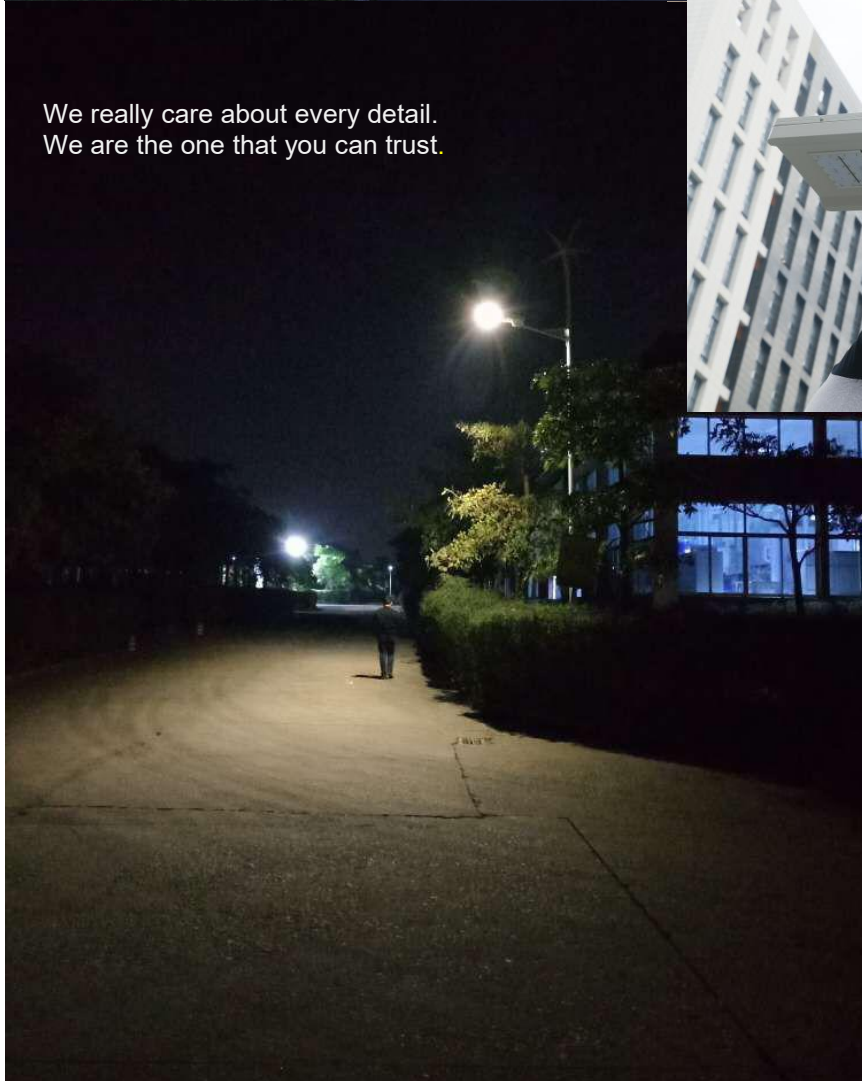
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CASES

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Better Shipping Power



715 sets



280 sets



Let's ship more!

Note: numbers are for reference only.



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