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# NEW SOLAR LED LIGHTING

DESIGNED & MADE BY SINOLTECH ENERGY LIMITED.



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Thanks for your  
interest in our products!

1 **New Lighting Solution**

do without skylights,  
easy installation,  
regardless of day or night,  
you can enjoy the environmentally friendly solar energy lighting,  
farewell to the trouble from poor lighting!



*Here is a green new idea!*

Combining modern solar technology with advanced LED technology, this is a new lighting solution. A breakthrough to the traditional daylighting way ( skylight / sky tube), for much more convenience, long lasting & energy efficiency.



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How about make a further comparison?



[ Solar led light from SINOLTECH ]  
Easy connection with a cable

New Solar Lighting System  
from SINOLTECH gets all of them!

[ Traditional Solar Tube / Skylight ]  
Require to open a hold, get a  
light shaft through roof



- ✓ No destruction to existing building
- ✓ No limit by the installation position
- ✓ No radiant heat
- ✓ No water leakage
- ✓ No hail worries
- ✓ No bugs
- ✓ No tube or light shaft to install
- ✓ No troublesome maintenance
- ✓ Easy to position, wire & install



2 **New Solar Led Light**

with direct power supply from solar panel, no driver, low-voltage low-power, efficiently make use of solar energy.



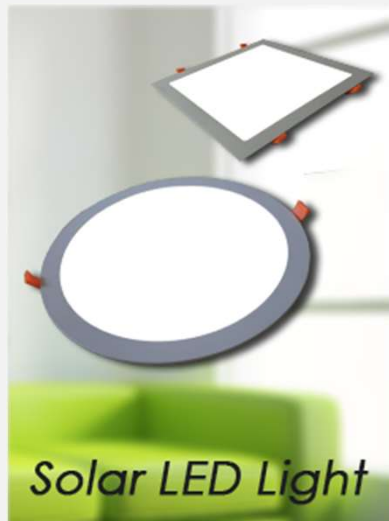
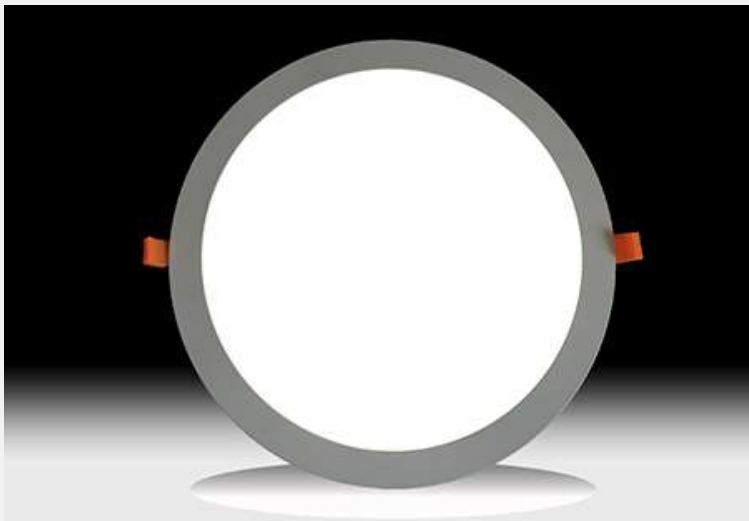
\*Take model #SN2016012 as an example here.

\*No Driver, and this LED light can be use only with the matched solar panel, can not be supplied by any other power source!

3

## High-quality Led Panel

top grade SMD2835,  
 effective lighting,  
 no UV, no leak, no flicker,  
 less temperature rise and less light decay,  
 ensure lasting good lighting performance



### Performance Parameter:

LED power	10W ( 2~15W ) 16V ( 12 ~ 16V )
Lighting Source	SMD2835LED, 100PCS
Luminous Flux	900LM
Area suitability	5m <sup>2</sup>
Color Temperature	5500~6000K (pure white)
Lifespan	50,000 Hours
Operating Temperature	-20°C to +40°C
Housing Material	Aluminum 6063
Wire	250mm AWG20#

(\* take dia.300 x12mm led panel as an example)

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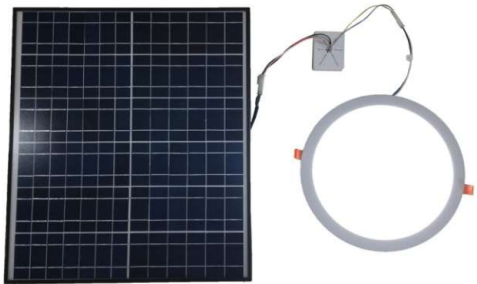
## Keep Lighting in Sunless Time

2 optional ideal solutions, connected with rechargeable solar battery or dual power adapter, to keep light on even in sunless time



*Do you prefer 100% solar-powered type or energy-saving & commercial type?*

Solution 1:  
with solar battery inbuilt as backup energy



Solution 2:  
with AC/DC power adapter to use grid power as backup energy

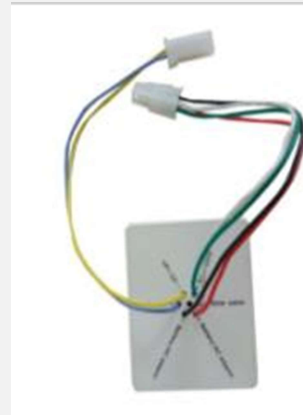


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## Intelligent Lighting



not only take full advantage of free solar energy, but also have the ability to automatically switch to the battery / grid power supply, to keep lighting in sunless time; And for this time, designed with radar inductive switch, it is intelligent lighting only when human is there, to not waste a shred of backup power



### Smart Controller

- Auto detection & switch
- Thermal protection
- High sensitive radar sensor included
  - Sensor distance: 8m
  - Sensor angle: 180°x 360°
  - Light off 10 min later

## New Solar LED Lighting Save More For You!



01

### Save money

- Free solar powered less electric bills
- Energy-saving LED light use minimal electricity
- No maintenance cost

02

### Save trouble

- Easy installation & wiring
- Hands free auto lighting

03






### Save worry

- Easily light up every dark space where natural light is unavailable
- Safe sensor lighting in the dark
- Continuous lighting at night with backup power
- No waste of backup energy





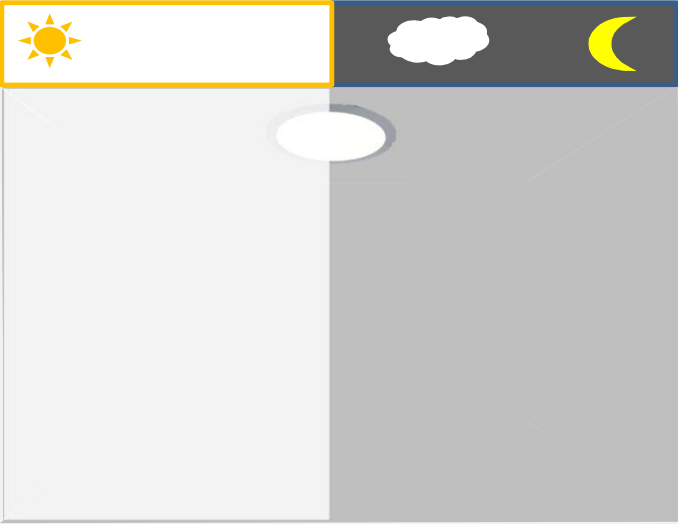
Dimension Table :

LED Light	Recessed LED Panel				LED Tube
Appearance					
Shape	round	square	rectangular	square bigger	tube
Size	dia.150x12mm	150x150x12mm	300x600x12mm	600x600x20mm	dia.25x1170mm
	dia.300x12mm	300x300x12mm			
Solar light operating modes	① Powered by solar panel only ② Powered by solar panel with dual power adapter connected (2 circuits) ③ Powered by solar battery only (1 circuit) ④ Powered by solar panel with battery connected (2 circuits)				
Solar panel connected	15W / 20W / 30W / 45W polycrystalline solar module ... (365x365x25mm / 365x410x62mm / 495x415x62mm / 495x645x25mm)...				

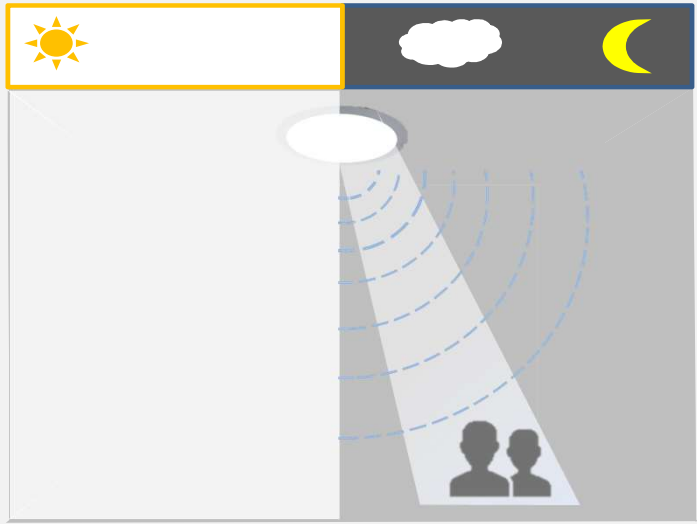
\* More customizations: You can even make it 30 pcs led panels powered by 1 solar panel.

### 3 solar lighting modes by 4 operating modes

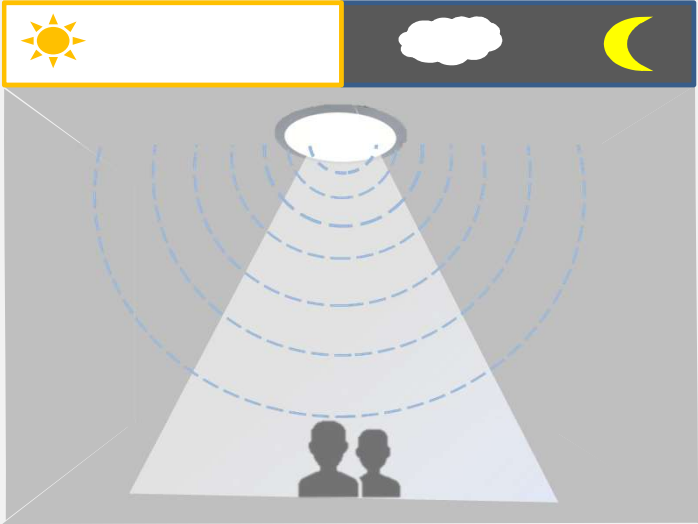
Day lighting mode 1  
Powered by solar panel only









Day & night smart lighting mode 2  
Powered by solar panel with battery / dual power adapter connected



Day & night smart lighting mode 3  
Powered by solar battery only

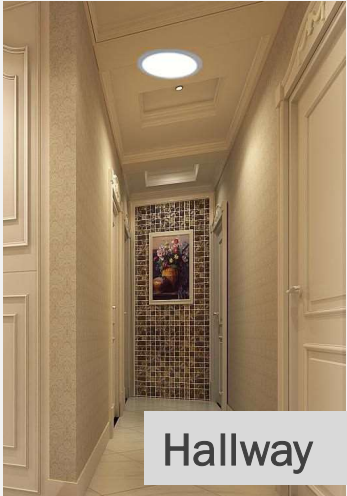


\*Icon Annotation

-  sunny daytime
-  sunless time
-  radar sensor
-  people's there
-  light on
-  light off

# NEW SOLAR LED LIGHTING — Application

from home to basement, office to public places ...



Hallway



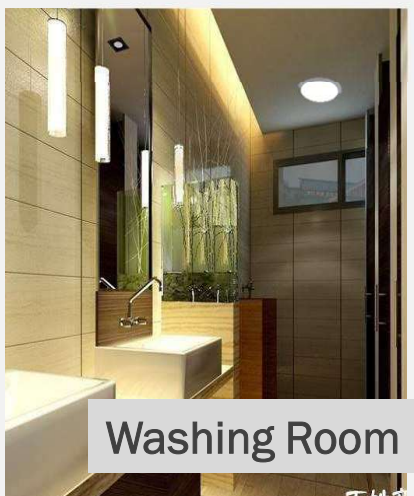
Coatroom



Staircase



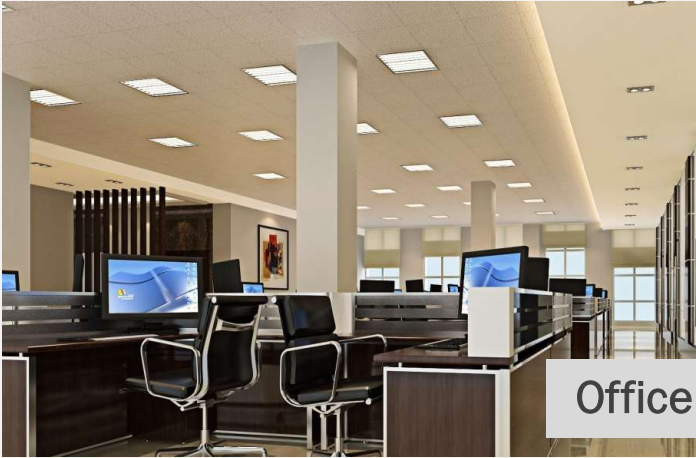
Living room



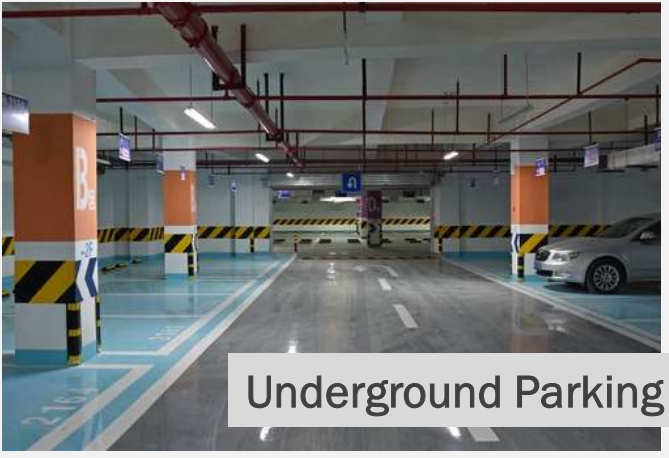
Washing Room



Basement



Office



Underground Parking

# NEW SOLAR LED LIGHTING — Application

Take full advantage of solar led lights with different working time & lighting modes

Solar Lighting System	Lighting modes	Applications
Solar panel + battery + LED light (1 circuit)	light-on when someone comes, light-off when they've left	Residential hallway, stairs, washroom, etc.
Solar panel + battery + LED light (2 circuits)	In daytime, always light-on; In night time, light-on when someone comes, light-off when they've left	Commercial hallway, stairs, washroom, etc.
Solar panel + LED light + AC/DC power adapter (2 circuits)		High frequency use places ( use like normal light but features saving energy during long-term lighting





## Package

1 set / white box



## Warranty

### SOLAR PANEL:

Polycrystalline silicon cells,  
in tempered glass lamination,  
6m cable,AWG20#, anti-UV rubber cords  
with mounting & adjustable brackets

Lifespan: Pm is not less than 90% in  
10 years and 80% in 25 years

### SOLAR LED LIGHT:

### WARRANTY: 5 YEARS

Residential housings, but not any extreme  
condition, place with corrosive gases / liquids.

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Thanks for your  
interest in our products!

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