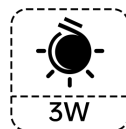


NL04

Solar LED Bollard



3W



430 LM

430LM



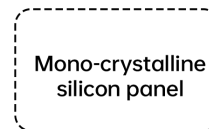
IK07



IP66



LiFePo4
Battery



Mono-crystalline
silicon panel

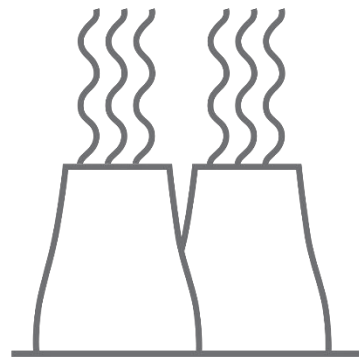


WHY WE DESIGN NL04?

Carbon neutrality

What does it mean to be carbon neutral?

Companies, processes and products become carbon neutral when they calculate their carbon emissions and compensate for what they have produced via carbon offsetting projects.... Therefore, emissions that cannot be avoided locally can be offset by carbon offset projects in another location.

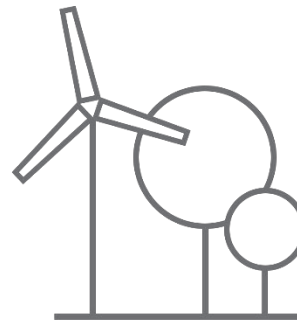


Emissions

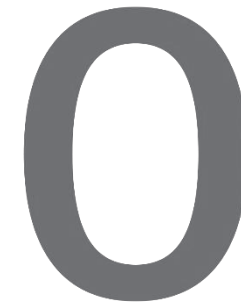
Reduce
emissions



Reduce
emissions



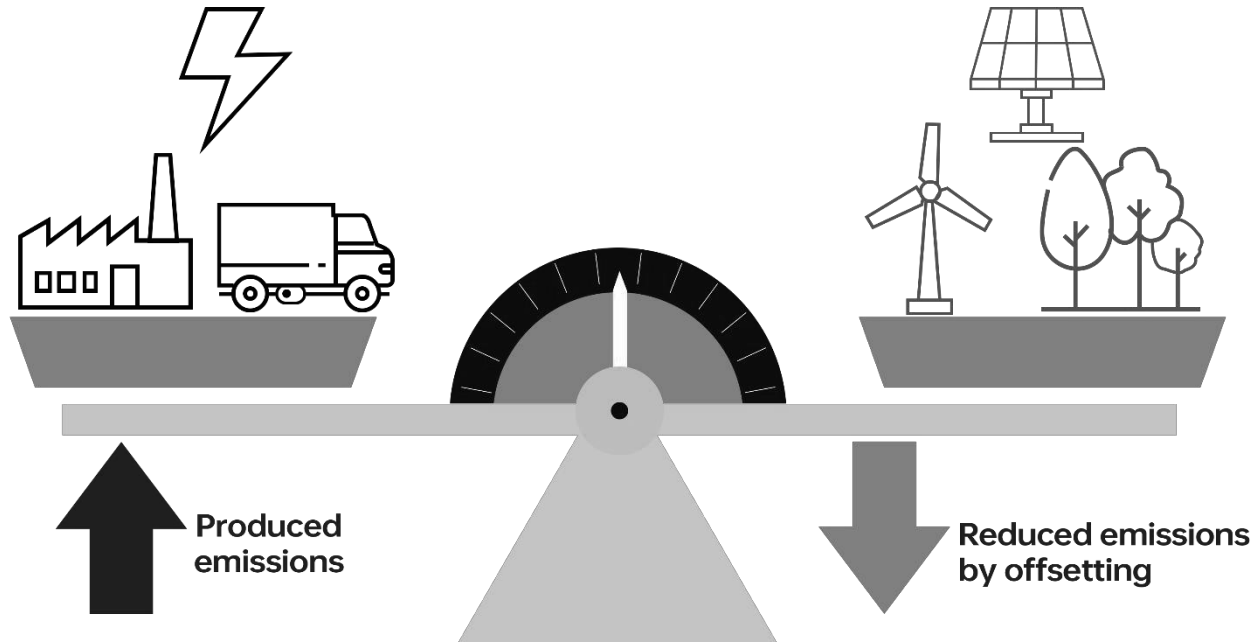
Offset projects
To eliminate
Remaining emissions



Zero emissions
(The state of being
Carbon neutral)

Why do we need it?

In 2018, the Intergovernmental Panel on Climate Change released a report concluding that to limit global warming to the 1.5 degrees, the world needs to stop emitting carbon dioxide, and other greenhouse gases, by 2050.





How we do?

LEDs are pretty amazing, which can reduce carbon emissions if comparing with traditional lights. But we also find cheap and reliable solar engery is also very importance to environmental protection.

Then we design a lot of led solar lights, such as NL04.



02

PRODUCT INTRODUCTION



Structure

OFF GRID solar powered
connectivity, no power
outages, no monthly
electric bills.



I.

Bollard head with solar panel.



II.

Specialized and customized optical lens:
Symmetric & Asymmetric.



III.

Super Smooth design, no screws exposed.
Available in two sizes: 500mm or 900mm
height options.



IV.

Mooring tie.

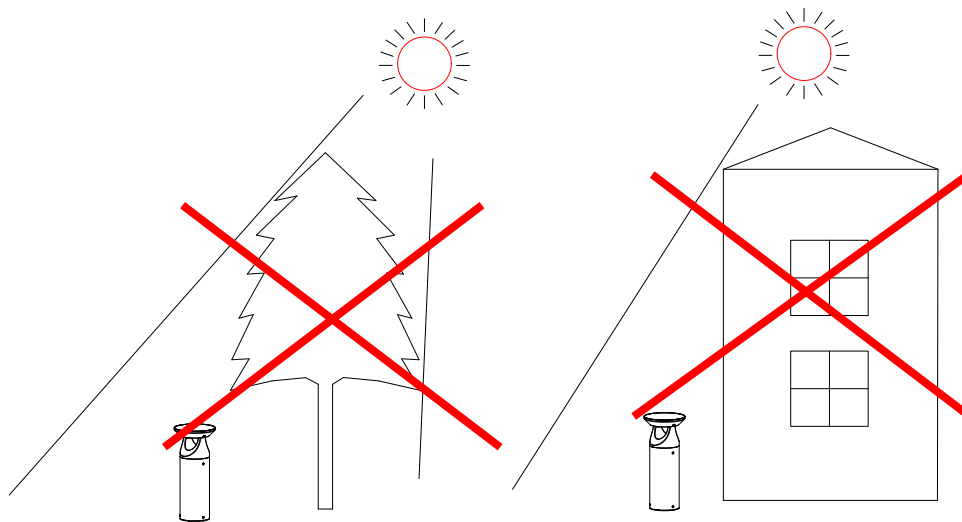
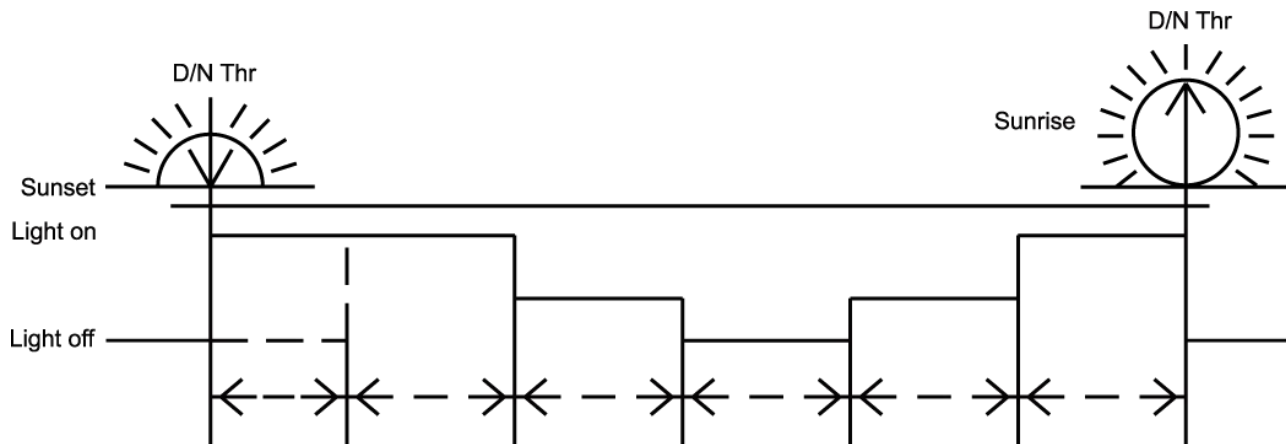
Wherever there's a grassland, It deserves a NL04 bollard

NL04 Bollard Light presents a contemporary, architectural dayform providing superior uniform illumination designed to enhance urban spaces with beautiful visual appearance.



Working mode

Five-stage Night Mode



Lighting scheme	Time 1	Time 2	Time 3	Time 4	Time 5	Energy consumption	Working hours in rainy days
1 (Factory default)	4H×100%	0H×100%	0H×100%	0H×0%	0H×100%	14Wh	2.7Days

Set the modes Time 1-5 and lighting levels by remote control.

Battery capacity:38.4Wh, solar panel wattage: 5W.

Battery charging capacity:24Wh /Day.

Recommended battery energy consumption ≤20Wh /Day.

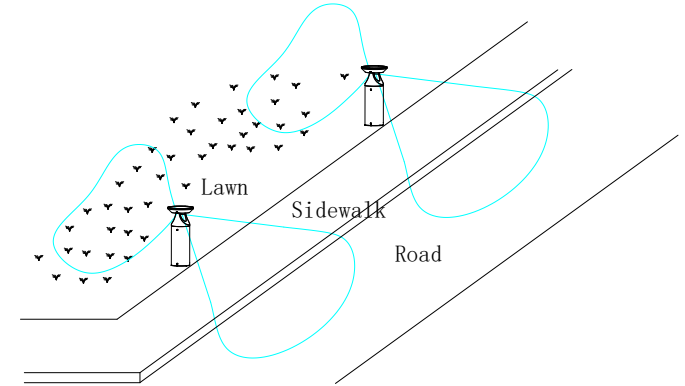
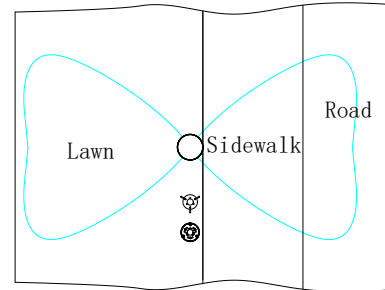
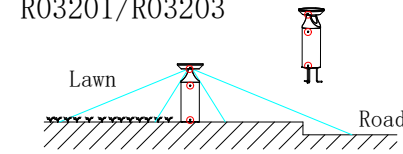


*** Avoid being shaded by trees and buildings, or battery charging will be affected.**

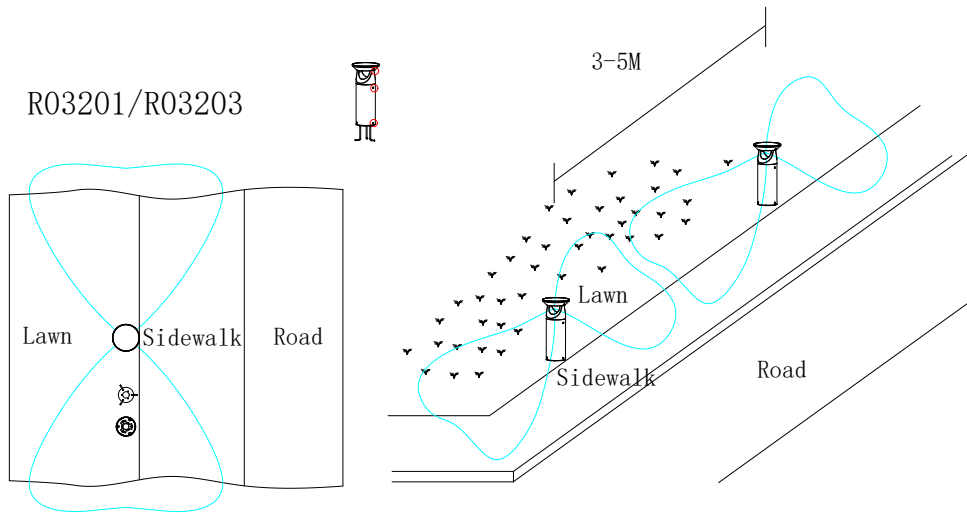
Type IV & V Optic Lens

Type IV & V light distributions will be suitable for different areas.

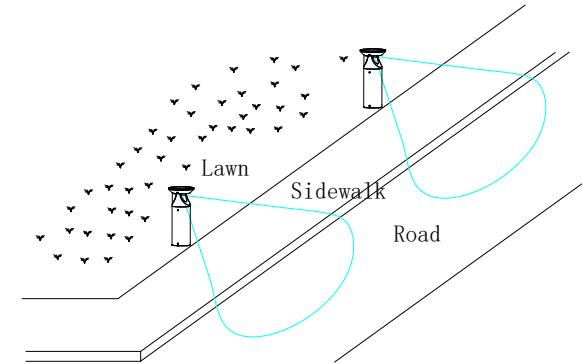
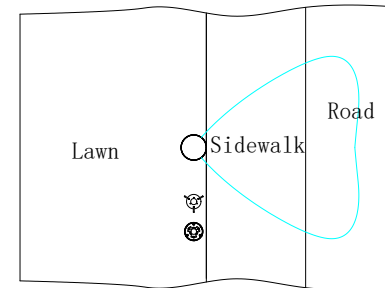
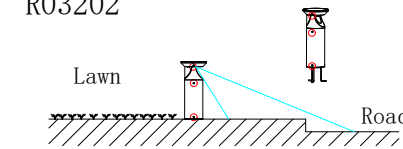
R03201/R03203



R03201/R03203



R03202



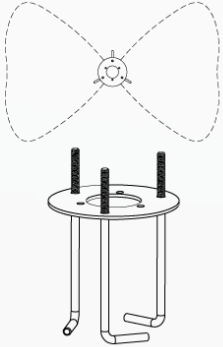
Model No	NL04-003	
Power	3W	
Efficacy	105lm/W(R03201) /100lm/W(R03202)/ 130lm/W(R03203)	
CCT&CRI	4000K (3000K, 5000K optional)/Ra80 (Ra70 optional)	
Beam angle	R03201(Type V)/R03202(Type IV)/R03203(Type V)	
IP&IK rating	IP66/IK07	
Chips	LED 2835	
Battery	LiFePO4 battery	
Operating temperature	0°C to +50°C(32° F to 122° F)	
Certificate	CE/CB	
Dimension	Φ230×520mm(Φ9.06"×20.47")	Φ230×920mm(Φ9.06"×36.22")
Net weight	5.1±0.3kg(11.24±0.66Lbs)	6.6±0.3kg(14.55±0.66Lbs)

Installation

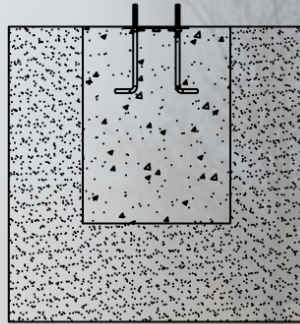
①



②

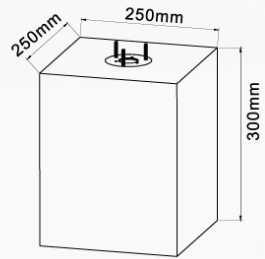


③

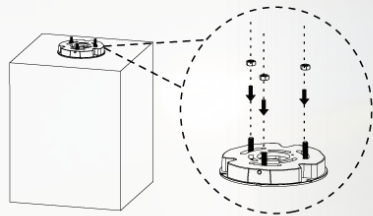


Suggested cement column size:

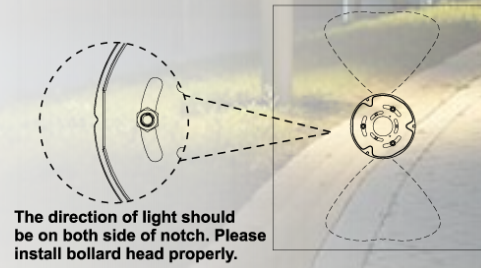
④



M8
3 PCS
15 Nm

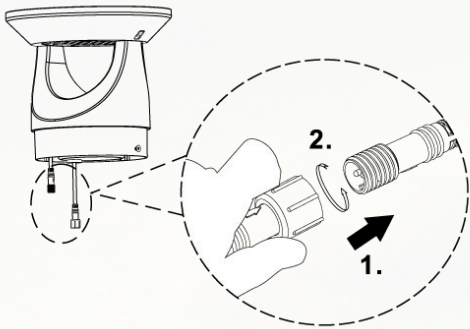


⑤

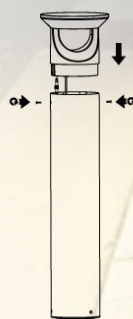


The direction of light should be on both side of notch. Please install bollard head properly.

⑥



⑦



2 PCS
T25
2.5 Nm

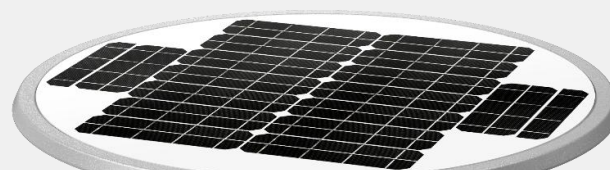
NL04 comes with standard steel anchor bolt kit. Available with a durable internal base plate for use in urban areas or for a clean look in installations. Please refer to Product Installation Instruction for detailed steps.



MORE PRODUCTS



NT43



NT49



NT50