



Introduction

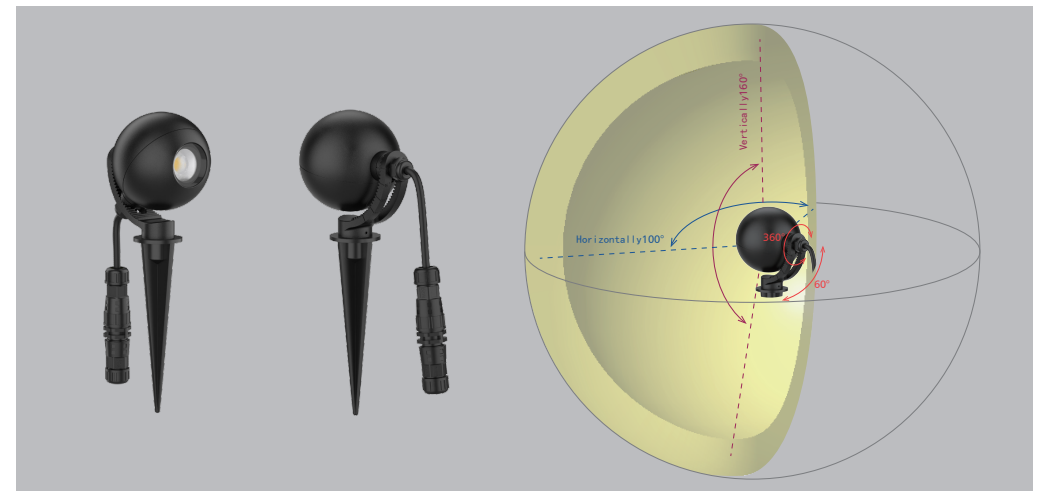
This is an adjustable spike light with 0-60 degree vertically rotation and 360 degree spherical rotation. The lamp body is made of ADC12 aluminum, which has strong heat dissipation, corrosion resistance and anti-aging ability. To meet a wider application areas, this is a DC24V design for easier maintenance, also it supports multiple lamps connection with waterproof T- junction accessory, max can connect 12 lamps. (1.5meter / 3meter / 5 meter cable options).

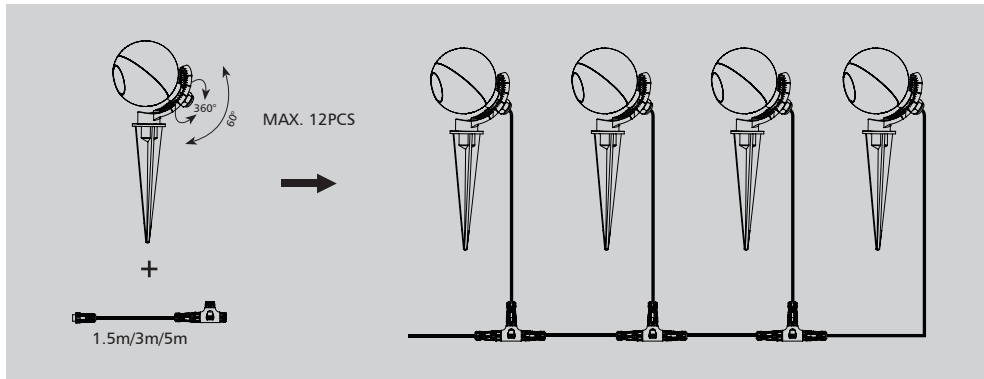
Features

- High lumen efficiency, 120lm/W
- ADC12 aluminium housing for better heat dissipation
- IP65 IK06
- 0-60 degree vertically rotation, 360 degree spherical rotation
- T-junction accessory with 1.5m/3m/5m cable for multiple lamps connection
- Internal flicker free driver

Application Areas

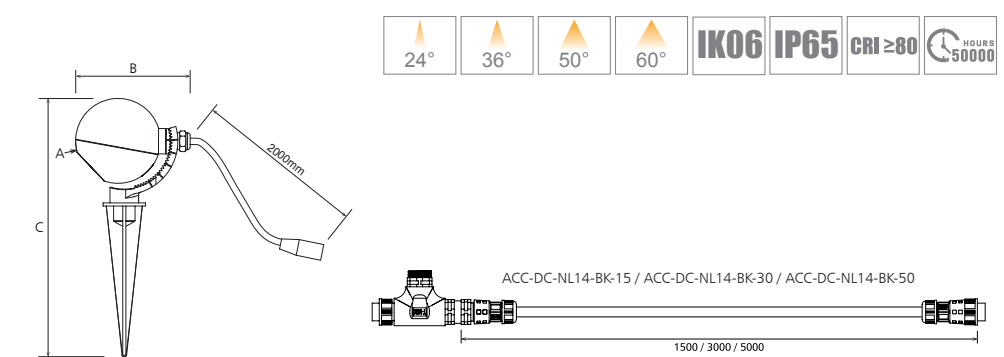
It's widely used in outdoor application areas such as courtyard, park, garden, lawn etc.





Technical Data Sheet

| Code | | | DC-NL18-5W |
|------------------------------------|-------|---------|------------------------------------|
| Dimension(mm) | | | Ø80*108*243 |
| Cutout (mm) | | | - |
| Watt(W) | | | 5W |
| Rated Input Voltage | | | DC24V |
| Input Voltage | | | DC24V |
| LED Module Input | | | - |
| Light Source | | | COB |
| SDCM | | | <5 |
| CCT(K) | | | 1-CCT:2700K/3000K/4000K/5000K |
| CCT Selection DIP Switch | | | NO |
| Luminous Flux (lm) ±5% CRI80 | 1-CCT | Non-DIM | 440-550 |
| | | DIM | - |
| | 3-CCT | Non-DIM | - |
| | | DIM | - |
| CRI | | | 80 |
| Beam Angle (°) | | | 24°/36°/50°/60° |
| UGR | | | - |
| LED Driver | | | Driver built-in |
| Dimming Option | | | NO |
| Sensor | | | NO |
| Emergency Kits | | | NO |
| Electrical Class | | | Class III |
| Ingress Protection(IP Rating) | | | IP65 |
| Impact Resistance(IK Rating) | | | IK06 |
| Product Finishing | | | Black RAL9005 Grey RAL7016 |
| Optics Material | | | PC |
| Housing Material | | | Aluminium |
| Lifetime (hr) | | | 50,000h |
| Glow wire test (°C) | | | 750°C |
| Operating Temp.(°C) | | | -20°C~45°C |
| Storage Temp.(°C) | | | -20°C~65°C |
| Installation | | | Spike for soft ground installation |



Measurement

| Code | Dimension(mm) | | | Size(mm) | Product Weight (Kg) | | Package weight (Kg) | | Carton Size(cm) | Qty/CTN | 20GP (pcs) | 40HQ (pcs) |
|-------------------|---------------|-----|-----|-------------|---------------------|--------|---------------------|---------|-----------------|---------|------------|------------|
| | A | B | C | | N.W/PC | G.W/PC | N.W/CTN | G.W/CTN | | | | |
| DC-NL18 | 80 | 108 | 243 | Ø80*108*243 | 0.45 | 0.65 | 10.80 | 16.87 | 57*48*43 | 24 | 5760 | 13824 |
| ACC-DC-NL14-BK-15 | 1500 | - | - | - | 0.249 | - | 5.976 | 6.6 | 43.5*40.5*22 | 24 | 16800 | 36960 |
| ACC-DC-NL14-BK-30 | 3000 | - | - | - | 0.412 | - | 9.888 | 10.5 | 43.5*40.5*22 | 24 | 16800 | 36960 |
| ACC-DC-NL14-BK-50 | 5000 | - | - | - | 0.634 | - | 7.608 | 8.1 | 47*23*25 | 12 | 11664 | 26400 |

Driver Datasheet(Non-dimmable)

| Total load wattage | | 5W |
|--------------------|-----------------------------|-----------------------------------|
| Output | Rated output current | 120mA |
| | Output Voltage range | DC30-40V |
| | Line Regulation | ±5% |
| | Setup Rise Time | ≤0.5S |
| | Flickering Index | - |
| Input | Rated Input Voltage | DC24V |
| | Input Voltage | DC24V |
| | Frequency | - |
| | Rated Input Current | ≤0.21A |
| | Input Current | ≤0.21A |
| | Power Factor | - |
| | THD | - |
| | Efficiency | ≥82% |
| | No load wattage | - |
| Protection | Short circuit protection | - |
| | Over voltage protection | PASS |
| | Over temperature protection | PASS |
| Safety & EMC | Withstand voltage | - |
| | Isolation Resistance | - |
| | Surge | - |
| | EMC Emission | EN55015, EN61000-3-2 |
| | EMC Immunity | EN61000-4-2,3,4,5,6,8,11; EN61547 |