



Introduction

The appearance of this spike light is derived from the aircraft engine, with a strong visual impact, high recognition, simple and elegant, and the installation is also simple and quick. The lamp body is made of ADC12 aluminum, which has strong heat dissipation, corrosion resistance and anti-aging ability. To meet a wider application use, this lamp has four types: AC220V and AC/DC12V with ground install and board install option, all these four types can have external waterproof connector for quick wiring. It is a good lighting choice for gardens, exterior walls, fences etc.

Features

- Type A/B/E/F are isolated driver while Type C/D/G/H are non-isolated driver.
- Unique model design, aircraft engine appearance.
- Light head 180° vertically adjustable.
- ADC12 aluminum housing with great thermal management.
- Uniform light output, high corrosion resistance and anti-aging ability.
- IP65 for the whole lamp, external IP65 connector for quick wiring.
- Flicker free driver.

Application Areas

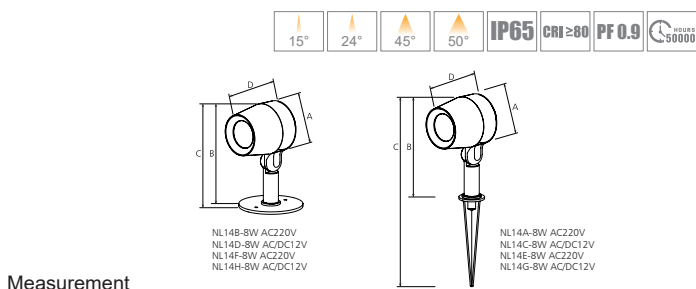
It applies to landscaping embellishment lighting for residence and community and all kind of parks.





Technical Data Sheet

Code No.	NL14B-W	NL14B-8W	NL14C-8W	NL14D-8W	NL14E-8W	NL14F-8W	NL14G-8W	NL14H-8W	
Dimension(mm)	80*104*308.5		80*104*167.5	80*104*308.5	80*104*167.5	80*143*308.5	80*143*167.5	80*143*308.5	80*143*167.5
Cutout (mm)	-								
Watt(W)	8W(3 cores 45cm pre-wired cable)			8W(2 cores 60cm pre-wired cable)		8W(3 pins plug-in connector with NO cable)		8W(2 pins plug-in connector with NO cable)	
Rated Input Voltage(V)	AC 220-240V			AC/DC 12V		AC 220-240V		AC/DC 12V	
Input Voltage(V)	AC 220-240V			AC/DC 12V		AC 220-240V		AC/DC 12V	
LED Module Input	-								
Light Source	COB								
SDCM	<6								
CCT(K)	2700K/3000K/4000K/5000K								
CCT Selection DIP Switch	No								
Luminous Flux (lm) ±5%	Non-DIM	1-CCT	810-910		750-850		810-910		750-850
	DIM	3-CCT	-		-		-		-
	Non-DIM		-		-		-		
	DIM		-		-		-		
CRI	>80								
Beam Angle (°)	15°/24°/45°/50°								
UGR	-								
LED Driver	Built-in								
Dimming Option	No								
Sensor	No								
Emergency Kits	No								
Electrical Class	Class I		Class III		Class I		Class III		
Ingress Protection (IP Rating)	IP65								
Impact Resistance (IK Rating)	IK06								
Product Finishing(Base)	Black RAL9005								
Materials of Optics	Aluminium								
Materials of Housing	Aluminium								
Lifetime (hr)	50,000h@25°C								
Glowl wire test (°C)	-								
Operating Temp. (°C)	-20°C-45°C								
Storage Temp. (°C)	-20°C-65°C								
Installation	Board mounted/Ground mounted								



Measurement

Code	Dimension(mm)				Size(mm)		Product Weight (Kg)		Package weight (Kg)		Carton Size(cm)	Qty/CTN	20GP (pcs)	40HQ (pcs)
	A	B	C	D	Size(mm)		N.W/PC	G.W/PC	N.W/CTN	G.W/CTN				
NL14A-8W	80	163.5	308.5	104	Ø80*104*308.5		0.52	0.57	12.48	14.28	44*39.5*36.5	24	10080	24360
NL14B-8W	80	163.5	167.5	104	Ø80*104*167.5		0.57	0.64	13.68	15.96				
NL14C-8W	80	163.5	308.5	104	Ø80*104*308.5		0.52	0.57	12.48	14.28				
NL14D-8W	80	163.5	167.5	104	Ø80*104*167.5		0.57	0.64	13.68	15.96				
NL14E-8W	80	163.5	308.5	143	Ø80*143*308.5		0.48	0.53	11.52	13.32				
NL14F-8W	80	163.5	167.5	143	Ø80*143*167.5		0.56	0.64	13.44	14.05				
NL14G-8W	80	163.5	308.5	143	Ø80*143*308.5		0.48	0.53	11.52	13.32				
NL14H-8W	80	163.5	167.5	143	Ø80*143*167.5		0.56	0.64	13.44	14.05				

Driver Datasheet (NON-Dimmable)

Total load wattage		8W	8W
Output	Output Voltage range	30-40V	30-40V
	Rated output current	200±5%mA	200±5%mA
	Line Regulation	±5%	±5%
	Setup, Rise Time	0.5S	0.5S
	Flickering Index	0.5%(NO RISK)	0.5%(NO RISK)
Input	Input Voltage	AC 200-264V	AC/DC 11-13V
	Rated Input Voltage(V)	AC 220-240V	AC/DC 12V
	Frequency	50/60	-
	Input Current	0.05A	0.85A
	Rated Input Current	0.04A	0.75A
	Power Factor	0.9/@230V	-
	THD	<20% @230V	-
	Efficiency	82%/@230V	77%/@230V
Protection	No load wattage	0.5	0.5
	Short circuit protection	PASS	NO
	Over voltage protection	PASS	PASS
	Over temperature protection	PASS	PASS
	Withstand voltage	V/P-O/P:3.75kVac, <5mA 60S	NO
Safety & EMC	Isolation Resistance	V/P-O/P: 500VDC, ≥4M Ω	NO
	Surge	IEC/EN61000-4-5 (P<25W; L-N:500V)	-
	EMC Emission	EN55015, EN61000-3-2	EN55015, EN61000-3-2
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547	EN61000-4-2,3,4,5,6,8,11; EN61547

Installation Instruction

WARNING

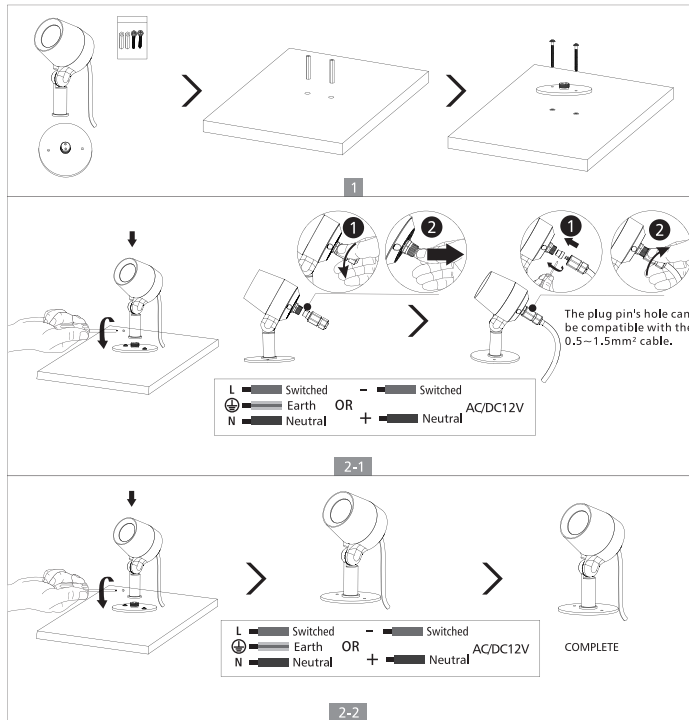
1. Switch off before installation.
2. Switch on only after complete installation and examination of the circuit.
3. Professional electrician for installation and maintenance only.



Turn Off
Power Supply

Turn Off power supply before starting any installation. Read instructions & check you have all the tools & accessories to complete the installation correctly.

Board mounted



Ground mounted

