



Specification

Product:	LED DOWNLIGHT
Part No.	NS-KD1-B3
Date	2012.9.15
Version	V1.0

Foshan NationStar Optoelectronics Co., Ltd.		
LED Lighting Branch		
DRAFT	CHECK	CONFIRM



NS-KD1-B7

1. Product Features

1. No Pb or Hg, environmental friendly
2. Delicate design with high purity aluminum materials
3. Unique embedded design for better heat dissipation, more reasonable structure design, smaller and lighter heat sink
4. Low light decay, high efficiency and high brightness LED
5. Good thermal conductive PCB, with high thermal conductivity
6. Optimized reflection lens with desired lighting angle and improved the efficiency of the lamps
7. Low power consumption, long lifespan, high stability and reliability.
8. Individual constant current driver, wide input voltage(AC100—240V) .

2. Application

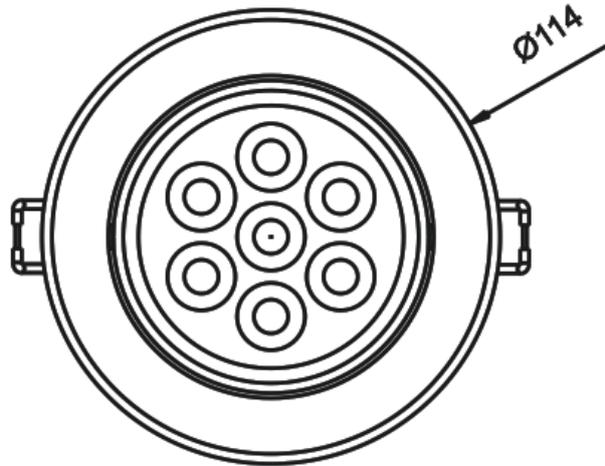
Widely used in home lighting, entertain area lighting, office lighting, hotels and business area lighting

3. Electro-Optical Characteristics:

Parameter	Value	Unit
Input voltage	AC100-240	V
Power factor	≥0.5	-
Frequency	50/60	Hz
Illuminant	LED	-
Luminous flux	550	lm
Color temperature	2700~6500	K
CRI	80	-
Light beam	30°	-
Lifespan	30,000	hr
Working temperature	-20~+40	°C
Storage temperature	-30~+60	°C
Working humidity	30%~85%	-
Storage	10%~90%	-
Weight	380	g
Cut-out dimension	Φ95	mm
Inner box size	125*125*85	mm
Package size	520*520*190	mm



4.External dimensions



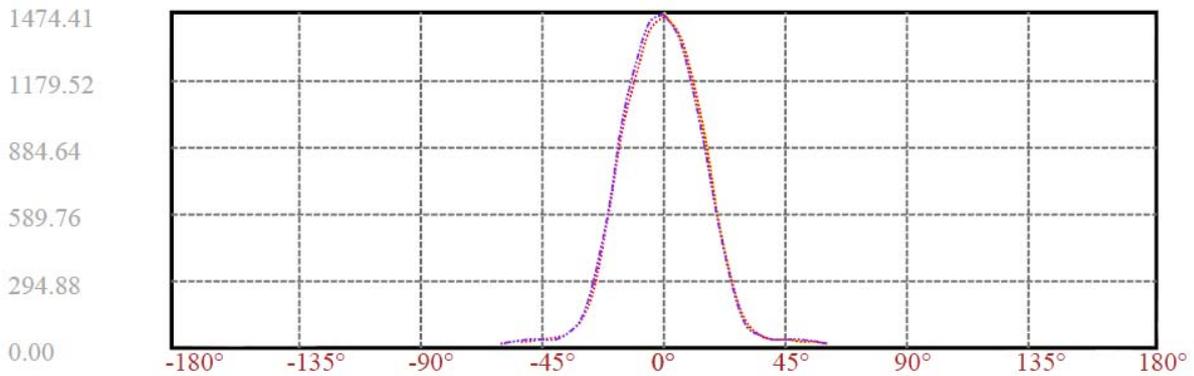
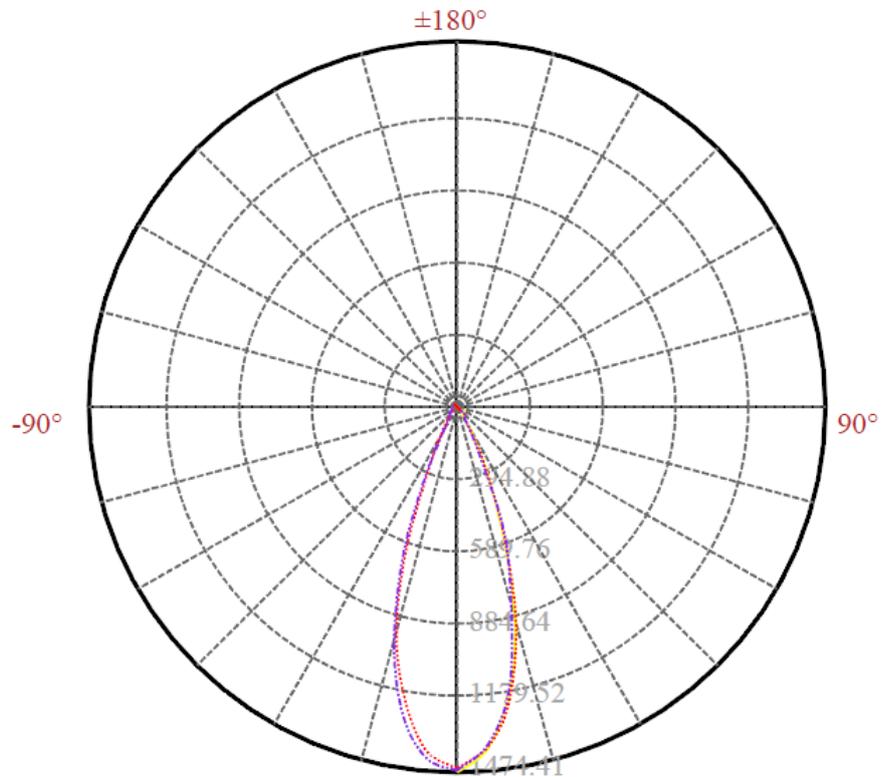
5.Product picture



Part No.	Color	Outer Dimension (mm) ΦD*H	Package size (mm) L*W*H	Cut-out((mm)	Weight (kg)
NS-KD1-B7	Highlight	Φ 114*62	125*125*85	Φ 95	0.38



6. Technical information



C30(Max): ———
 C0/C180: ·····
 C90/C270: - - - - -

Luminous Intensity Curve [Unit: cd]

Part No.	Rated Power(W)	Power factor	Lumens (lm)	Viewing angle	CCT (K)	CRI
NS-KD1-B7	8	PF≥0.5	550	30°	2700~6500	80

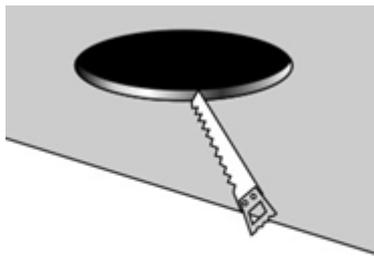


7. Installation Direction

Please check the package to see if it is unbroken before installation. Please check if there is a complete set of technical documents, such as specification book, factory inspection reports and so on in the package. Please make sure that there is no damage on the lamp or missing of accessories before installation.

8. Guidance

- ① Open a right size cut-out hole on the ceiling according to the data sheet, and please note that there should not be any damage to other facilities.
- ② Connect the cable and put it into the finished hole;
- ③ Press the spring clamp into the direction as the arrow shows, make it vertical to the front panel of the lamp, and then put it into the hole
- ④ Make sure to put the spring clamp into the right position and the front panel of the light is attached closely to the ceiling. The lamp should not be covered by any heat insulation or similar materials in order not to affect the heat dissipation performance.

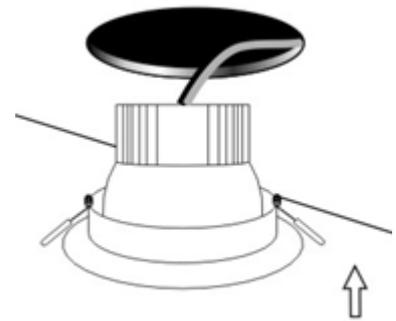


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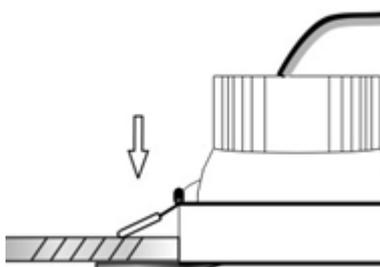
Step 1



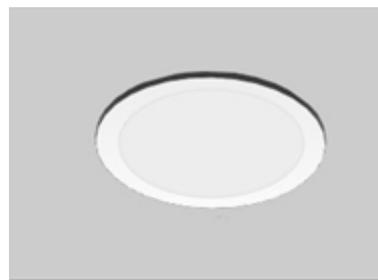
Step 2



Step 3

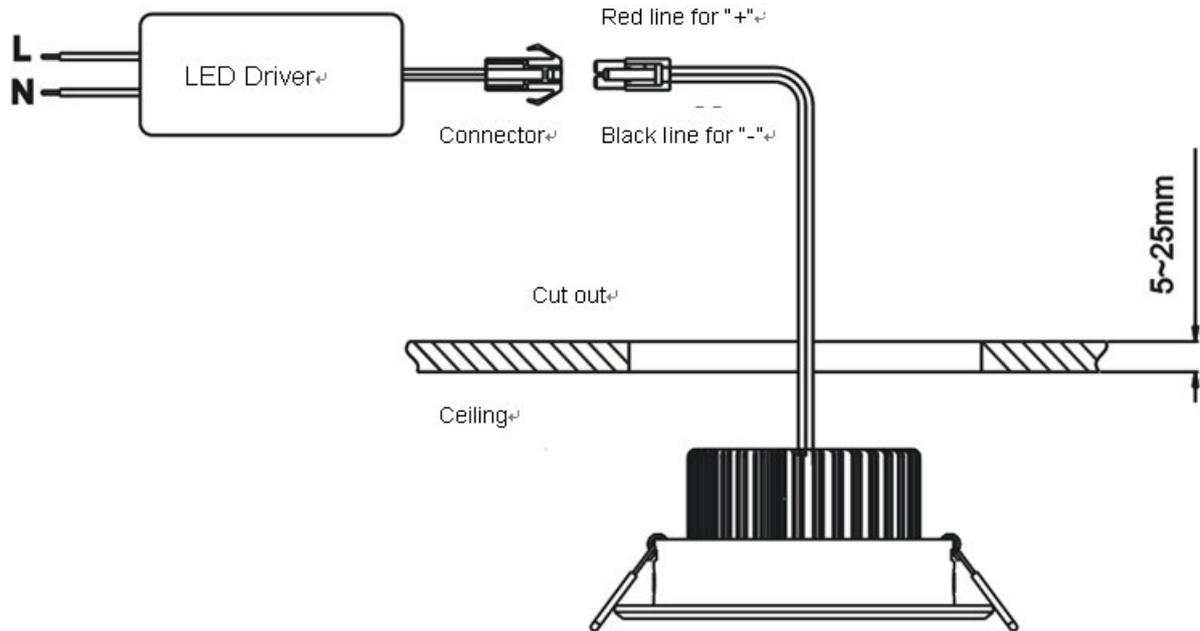


Step 4



Step 5

9. Installation Manual



Picture 1-1

Caution

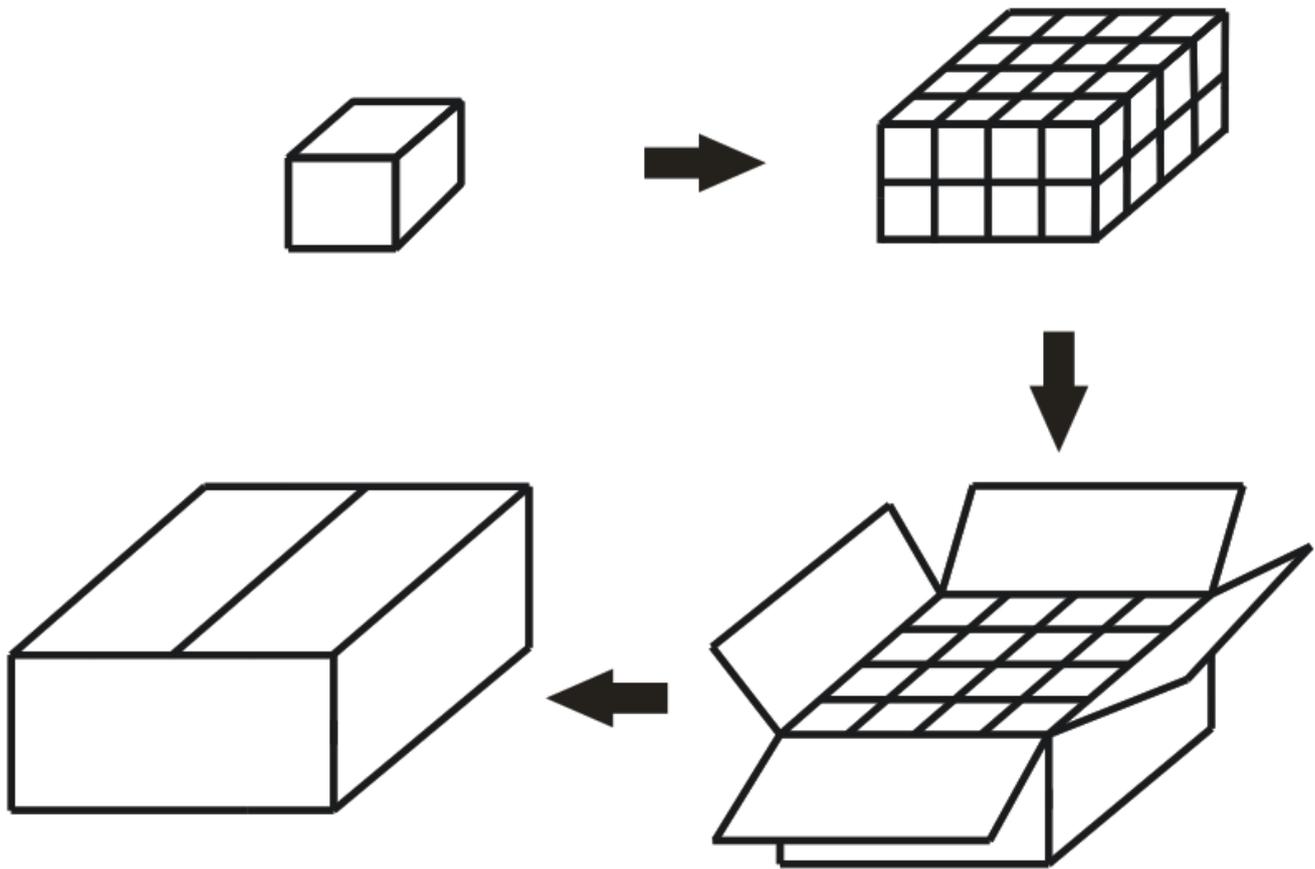
- 1) The installation should be finished by professional technicians. Please read this manual carefully before installation and operate according to it strictly. We will not bear any responsibility for damage or accidents caused by not following this guidance.
- 2) Make sure to install the lamps and connect the cable when power is off.
- 3) Don't break any fireproof laws when using the lamps.
- 4) Please ask for help from professional technicians or contact us when there is any breakdown to the lamps.

Warning

- 1) Don't use any lamps without complete accessories.
- 2) Please disassemble the lamp to make the maintenance or repair on the ground
- 3) Don't disassemble the lamp or change any accessories when the power is on.
- 4) Don't make any change to the structure or components of the lamp. Don't change the circuit map when repairing the lamp. Don't make any change the specification or parameter of the electrical components
- 5) Don't use this lamp for any other purpose except the applications mentioned above.



Package



Color box package with paper tray inside
Inner box dimension: 125mm×125mm×85mm
Outer carton dimension: 520mm×520mm×190mm
32pcs for one carton, 16pcs/store, 2 stores

Note:

- a、 All the parameters mentioned above is for reference only. Please refer to the real product when you get it. If there is any revise later, please refer to the revised version.

- b、 NationStar will always keep the right to revise the contents above without notifying the clients in advance. Sorry for any inconvenience caused by this.