



NIVISS nSpot MR16

CREE 
LED Solution Provider



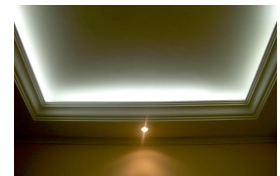
INTRODUCTION **SAVE UP TO 90% ON ENERGY WITH NIVISS nSpot !**

NIVISS nSpot is an advanced light source designed for energy efficient and eco-friendly indoor lighting. It is based on LEDs produced by one of the leaders of the LED technology - the American company CREE and is a good alternative for traditional bulbs. One of the key advantages of LEDs over traditional light sources, besides of better performance, is that they do not contain any toxic substances like mercury or lead that have such a negative impact on the environment.

- ⚡ Ideal replacement for traditional MR16 lamps
- ⚡ 3 x 1W CREE LED Lamp
- ⚡ High Efficiency
- ⚡ Shock Resistance
- ⚡ Environmental Friendly (no UV and Mercury)
- ⚡ Long Lifetime
- ⚡ Energy Saving (3W=25W halogen)
- ⚡ Modern Design

APPLICATIONS NIVISS nSpot can be widely used in different types of general indoor lighting applications such as illumination of: residences and houses, shops, museums, jewellery stores, furnitures etc. and can work as:

- ⚡ accent lighting
- ⚡ recessed lighting
- ⚡ decorative lighting
- ⚡ garden lighting



FEATURES

RoHS
COMPLIANT



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LEDS INSIDE

SPECIFICATION

Color	Warm White	Neutral White	Cool White
Color Temperature	3000 ± 250 K	4000 ± 250 K	6000 ± 250 K
LED Lumen Output	210 lm	235 lm	255 lm
LED Luminous Efficacy	72 lm/W	80 lm/W	90 lm/W
Source Lumen Output	150 lm*	165 lm*	180 lm*
CRI	>80	>80	>72
Viewing Angle		28°	
Wattage		3W	
Input Voltage		12V AC/DC	
Frequency		47 - 63Hz	
LED Working Current		300 ± 20 mA	
Operating temperature		-20°C - +40°C	
Lifetime	Up to 50,000 hours @ 25°C room temperature**		

*Source performance in real-life conditions, including driver and utilization losses / initial lumen output tolerance +-15 lm

**Approximate lifetime of the product while maintaining optimal working conditions

All the parameters and values mentioned in specification are containing only approximate informations and can be not precise

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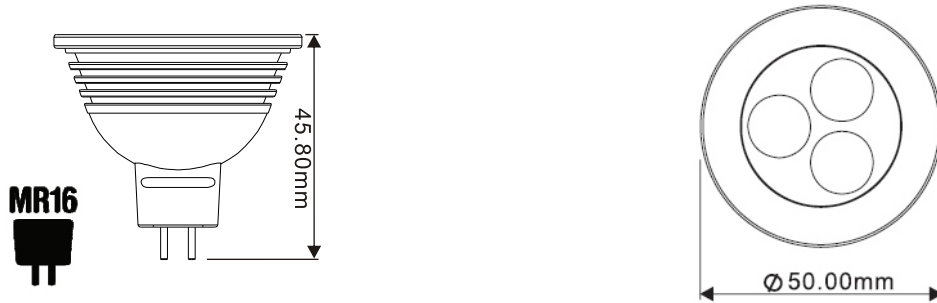




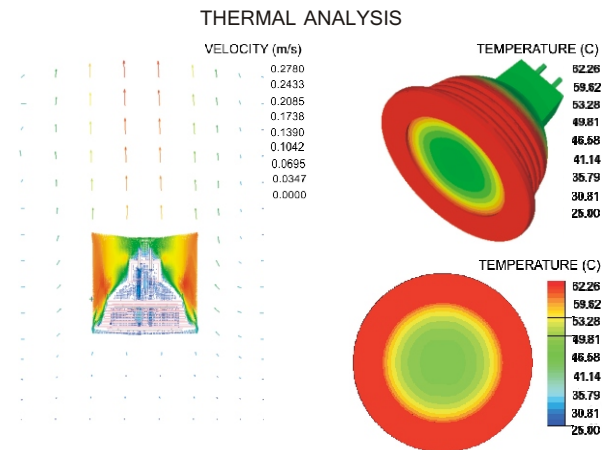
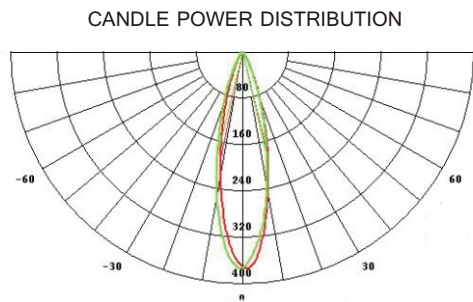
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DIMENSIONS



TECHNICAL DIAGRAMS



SAFETY



TECHNICAL & COST COMPARISON

Item	Halogen lamp	NIVISS nSpot MR16
Light Source	Halogen	3 x CREE LEDs
Power Consumption	25 W	3 W
Product Lifetime Power Consumption*	1250 kWh	150 kWh
Electricity Cost (@ 0,15 €/kWh)**	187 €	22 €
Life Span***	1,500 h	50,000 h
Maintenance Frequency	Often	Low
Product Lifetime Maintenance Frequency****	34 pcs	1 pc
Environment Protection	Not friendly	Non toxic, no UV & IR radiation
Emission of CO ₂ (0.69kg/kWh)*****	86.25kg	10.35kg
Operating Temperature	-10°C - +40°C	-20°C - +40°C
Response Time	0.5 s	0.01 s

*The value in kWh based on 50 000 h lifetime of LED product
 **The electricity costs based on the price 0.15 €/kWh and 50 000 h lifetime of LED product
 ***Approximate lifetime of the product while maintaining optimal working conditions
 ****The product lifetime maintenance frequency based on 50 000 h lifetime of LED product
 *****The emission of CO₂ based on 0.69kg/kWh and 50 000 h lifetime of LED product
 All the parameters and values mentioned in technical & cost comparison table are containing only approximate informations and can be not precise



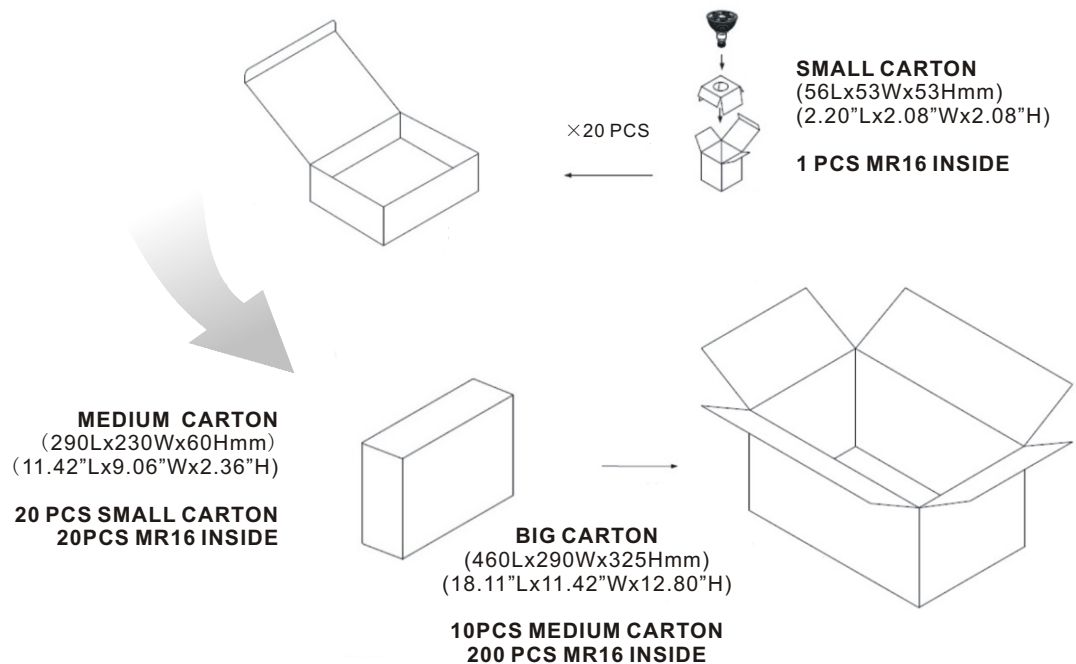
ORDERING
CODE

Symbol	Beam Color	CCT	Luminous Flux	CRI
NIV-LEDMR16-3WW	Warm White	3000 ± 250 K	150 lm*	>80
NIV-LEDMR16-3NW	Neutral White	4000 ± 250 K	165 lm*	>80
NIV-LEDMR16-3CW	Cool White	6000 ± 250 K	180 lm*	>72

*Source performance in real-life conditions, including driver and utilization losses / initial lumen output tolerance +/- 15 lm
 Please use the above markings while making orders

PACKING

- ⚡ The net weight of a small carton is 49 g, medium carton is 1 118 g and big carton is 11 976 g.
- ⚡ The lamps are packed in small cardboard boxes each, then medium carton (20 PCS), then big carton (200 PCS).
- ⚡ The boxes are not water resistant and they must be kept away from water and moisture.
- ⚡ Cardboard boxes are used to protect the lamps from mechanical shocks during transportation.



ENVIRONMENTAL
CAUTION



Caution! it is prohibited to dispose of obsolete and waste electrical and electronic equipment together with regular household wastes. They should be properly sorted and recycled. Old electrical and electronic equipment should be returned to a waste collection point established by a waste-management service. Waste electrical and electronic equipment can be broken down to base materials and then recycled. For more information regarding waste management please contact your local authorities, waste-management service or the seller of electrical and electronic devices.