



# NIVISS nSpot Pro QR111D 17W



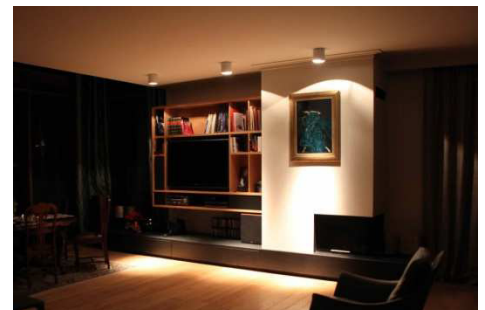
## INTRODUCTION SAVE ENERGY WITH NIVISS nSpot

NIVISS nSpot Pro 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. They provide healthy illumination without UV or IR radiation. Modern and esthetic design distinguishes nSpots Pro from other luminaries.

- ♻ Ideal replacement for traditional QR111
- ♻ 7 x CREE © LED Lamp
- ♻ High Efficiency
- ♻ Low Temperature
- ♻ Dimmable (the ultimate compatibility with your existing dimmer and transformer systems)
- ♻ Environmentally Friendly (no UV and Mercury)
- ♻ Long Lifetime
- ♻ Energy Saving (17W=75W+ halogen)
- ♻ Modern Design, optimize for thermal performance and product lifetime

**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
- ♻ decorative lighting
- ♻ recessed lighting
- ♻ garden lighting





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## FEATURES



## SPECIFICATION

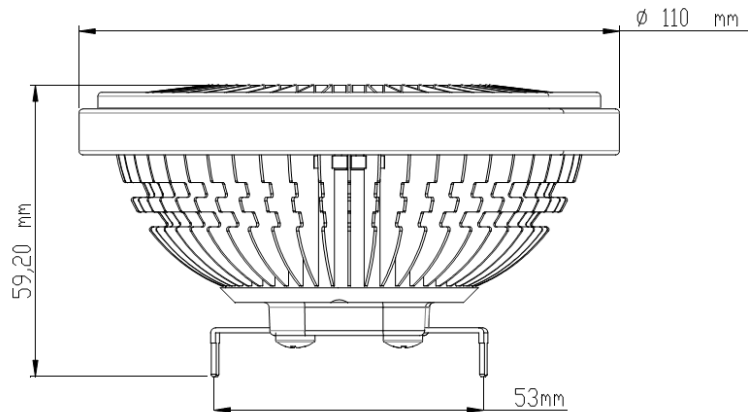
| Color                 | Comfort White          | Warm White  | Neutral White | Cool White  |
|-----------------------|------------------------|-------------|---------------|-------------|
| Color Temperature     | 2700 ± 150K            | 3000 ± 150K | 4000 ± 200K   | 5000 ± 250K |
| Source Lumen Output*  | 900 lm                 | 1020 lm     | 1100 lm       | 1180 lm     |
| Typical CRI           | 80                     | 80          | 75            | 75          |
| Viewing Angle         | 22°, 30°, 140°         |             |               |             |
| Wattage               | 16.6W                  |             |               |             |
| Input Voltage         | 12V AC/DC              |             |               |             |
| LED Working Current   | 660mA ± 20mA           |             |               |             |
| Dimming**             | YES                    |             |               |             |
| Operating temperature | -20 °C - +40 °C        |             |               |             |
| Lifetime***           | More than 35 000 hours |             |               |             |

\* Source performance in real-life conditions, including driver and utilization losses / initial lumen output tolerance +25 lm.

\*\* With wide range of dimmers. List of dimmers available on the website.

\*\*\* Approximate lifetime of the product based on CREE® declaration (IES LM-80-2008 Testing Results) at +40°C ambient temperature. All the parameters and values mentioned in specification contain only approximate informations and can be not precise.

## DIMENSIONS



## SAFETY

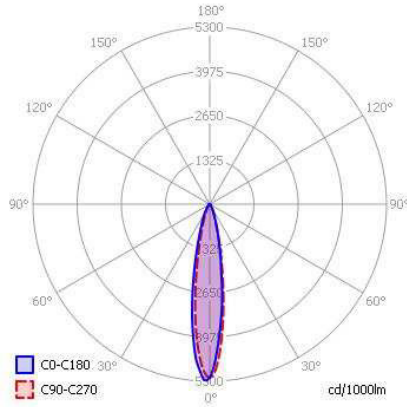




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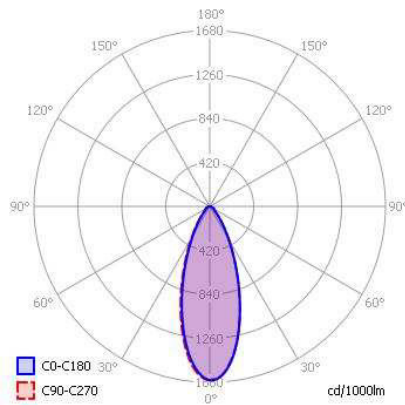


## PHOTOMETRIC



Viewing angle 22°

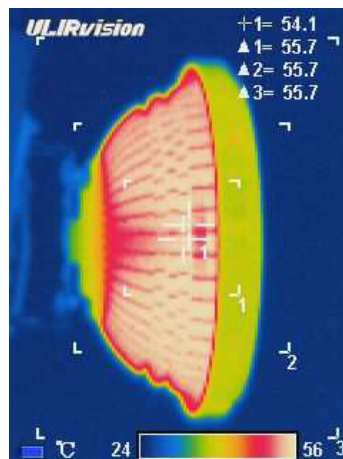
\* All photometric files are available on our website [www.niviss.com](http://www.niviss.com)



Viewing angle 30°

\* All photometric files are available on our website [www.niviss.com](http://www.niviss.com)

## THERMAL ANALYSIS





# NIVISS nSpot Pro QR111D 17W



LED Solution Provider

## TECHNICAL & COST COMPARISON

| Item                                       | Halogen lamp    | NIVISS nSpot Pro QR111 |
|--|-----------------|------------------------|
| Light Source                               | Halogen         | 7 x CREE LEDs          |
| Power Consumption                          | 75W             | 17W                    |
| Product Lifetime Power Consumption*        | 2625 kWh        | 595 kWh                |
| Electricity Cost**                         | 394 €           | 89 €                   |
| Lifetime                                   | 2 000 h         | 35 000 h***            |
| Maintenance Frequency                      | Often           | Rarely                 |
| Product Lifetime Maintenance Frequency**** | 18 pcs.         | 1 pc.                  |
| Emission of CO <sub>2</sub> *****          | 1811 kg         | 411 kg                 |
| Operating Temperature                      | -10 °C - +40 °C | -20 °C - +40 °C        |

\*The value in kWh based on 35 000 h lifetime of LED product.

\*\*The electricity costs based on the price 0.15 €/kWh and 35 000 h lifetime of LED product.

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

\*\*\*\*The product lifetime maintenance frequency based on 35 000 h lifetime of LED product.

\*\*\*\*\*The emission of CO<sub>2</sub> based on 0.69kg/kWh and 35 000 h lifetime of LED product.

All the parameters and values mentioned in technical & cost comparison table contain only approximate informations and can be not precise.

## ORDERING CODES

| Beam Color    | CCT       | Lens | CRI |
|---------------|-----------|------|-----|
| Comfort White | 2700±150K | 22°  | 80  |
| Warm White    | 3000±150K | 22°  | 80  |
| Neutral White | 4000±250K | 22°  | 75  |
| Cool White    | 5000±250K | 22°  | 75  |
| Comfort White | 2700±150K | 30°  | 80  |
| Warm White    | 3000±150K | 30°  | 80  |
| Neutral White | 4000±250K | 30°  | 75  |
| Cool White    | 5000±250K | 30°  | 75  |
| Comfort White | 2700±150K | 140° | 80  |
| Warm White    | 3000±150K | 140° | 80  |
| Neutral White | 4000±250K | 140° | 75  |
| Cool White    | 5000±250K | 140° | 75  |

Please use the above markings while making orders





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**CREE**   
▶ LED Solution Provider

## PACKAGE

- ⊗ The net weight of a small carton with QR111D Pro is 168g.
- ⊗ Cardboard boxes are used to protect the lamps from mechanical shocks during transportation.



**SMALL CARTON**  
(87 x 87 x 112 mm)  
(3.43" x 3.43" x 4.41")  
**1 PIECE OF QR111D INSIDE**

## 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.