

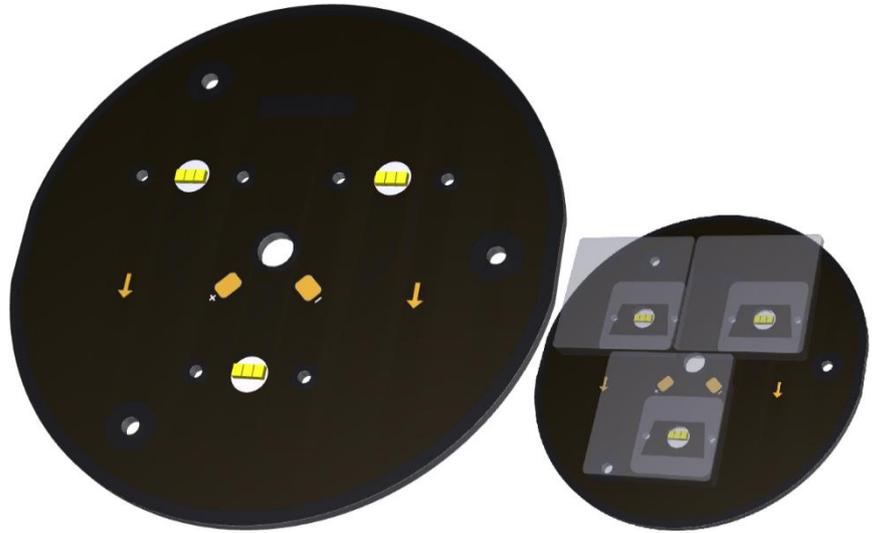
9C92S-XEGA family are LED modules based on the CREE LED® XE-G Series® optimized for cost effective and high efficacy applications. 9C92S-XEGA modules are providing optimized and easy integration, with excellent quality, reliability and precision.

High efficacy **152 lm/W** and up to **6720 lm**.

LM-80 lifetime projections (IEC 62717)
> 36,300 (L70B10)*

MPCB thermal conductivity **1.5 W/mk** based in UHT (Ultra High Thermal), Lead Free HASL

EPREL registered product



➤ **SPECIFICATION**

| LED FAMILY | XE-G SERIES | |
|-------------------------------------|-----------------------|--------------|
| CCT/SDCM | 3000K 3-STEP | 4000K 3-STEP |
| Viewing Angle | 120° | |
| Nominal Module Lumen Output** | 2615 lm | 3175 lm |
| Nominal Efficacy | 96 lm/W | 116 lm/W |
| CRI | 80 | |
| Voltage DC (typ.) | 27 V | |
| Voltage DC (max) | 32 V | |
| Power Consumption | 27 W | |
| Max Module Lumen Output (3000 mA)** | 5535 lm | 6720 lm |
| Max. LED module working current *** | 3000 mA / module | |
| Max power | 96 W | |
| Number of LEDs | 9 | |
| Power Supply Type | Constant Current | |
| Risk Group Classification | RG-1 Low Risk | |
| Energy Class | F | F |
| Operating Temperature | -30°C ÷ +60°C | |
| Tc max. | 85°C | |
| Lifetime*/Tc life | >36300h 85°C, 1500 mA | |

* Lifetime of LEDs as declared by the manufacturer [CREE LED®](#) according to IES LM-80-2015 Testing Results.
 ** Source performance in real-life conditions at T=55°C; the tolerance of source lumen output is 10% - tested without heatsink.
 *** External heatsink required.

➤ FEATURES

Application:

- ❖ Decorative lighting
- ❖ Accent lighting
- ❖ Task lighting
- ❖ General lighting
- ❖ Recessed furniture LED spotlight

Feature:

- ❖ The module is dimmable by current set (0-100%)
- ❖ Long Lifetime
- ❖ Energy Saving

EPREL Database link
QR CODE

3000K



2641170

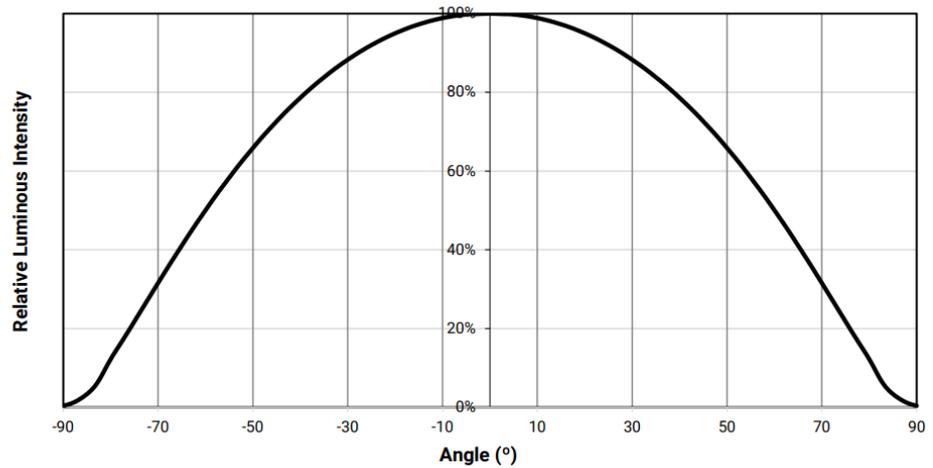
4000K



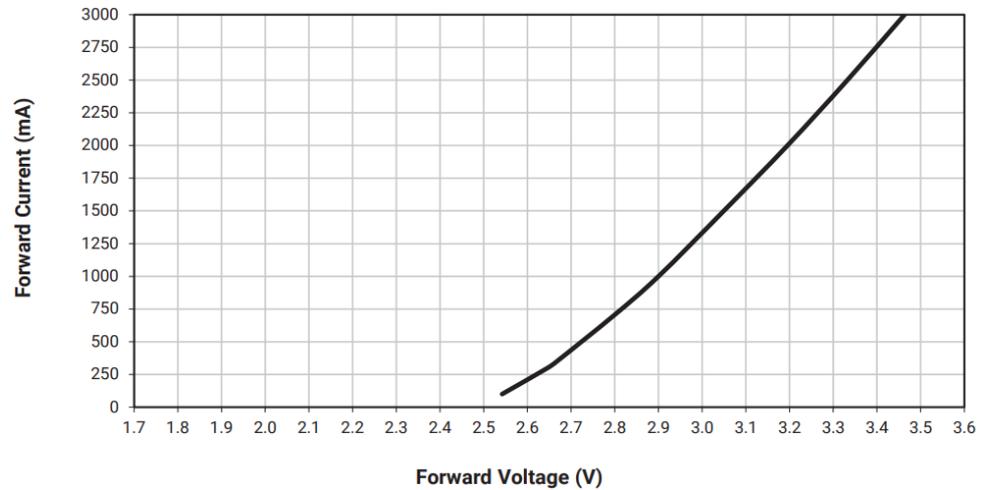
2641174



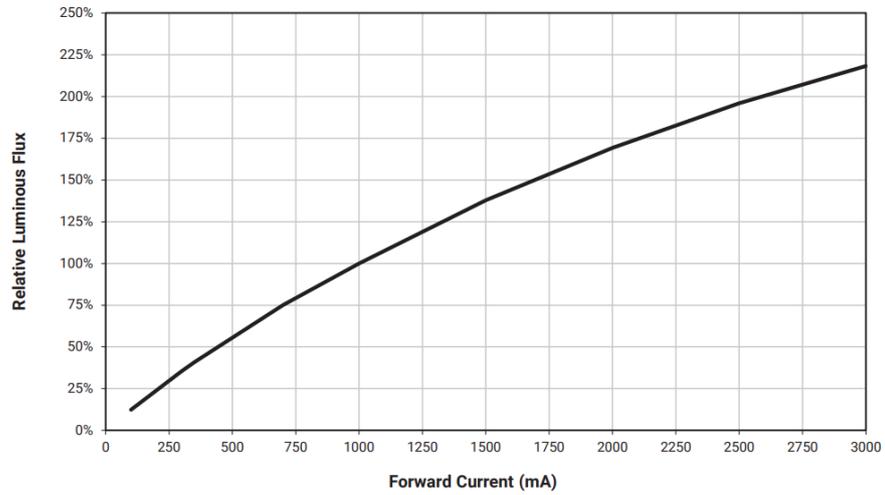
➤ TYPICAL SPATIAL DISTRIBUTION



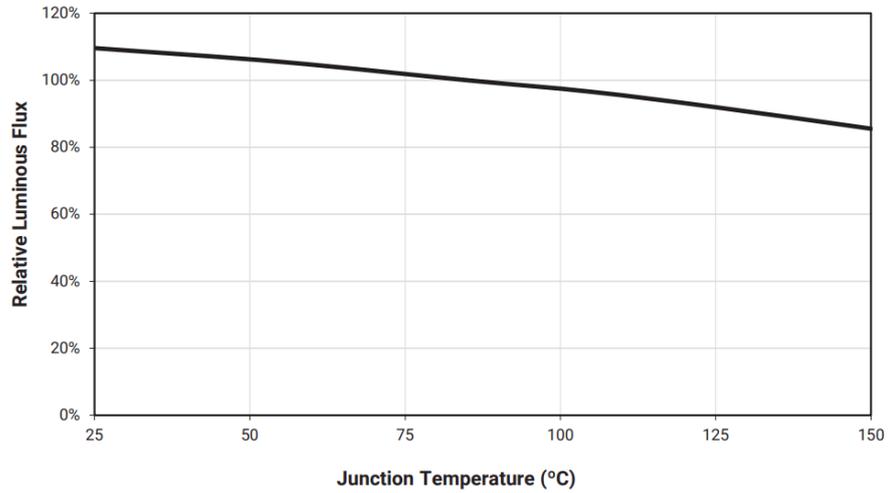
➤ FORWARD CURRENT VS. FORWARD VOLTAGE



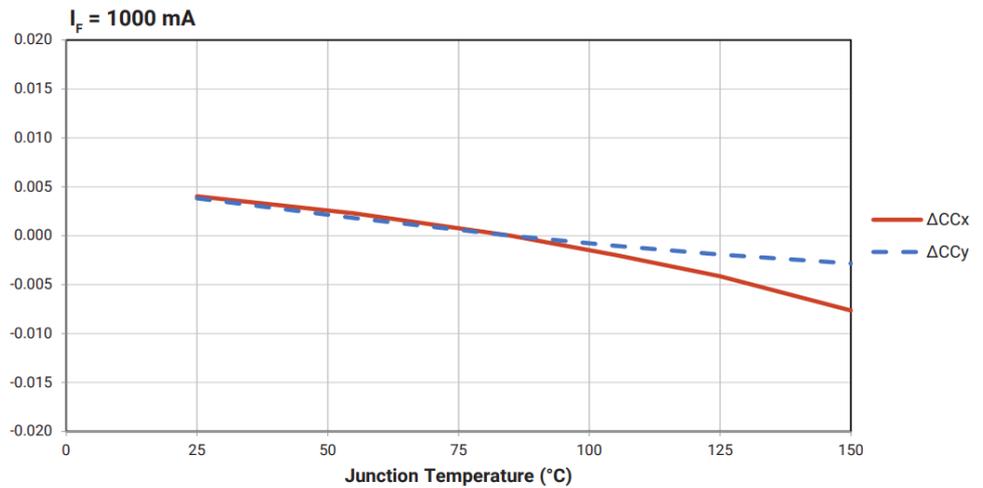
➤ LUMINOUS FLUX
VS.
CURRENT



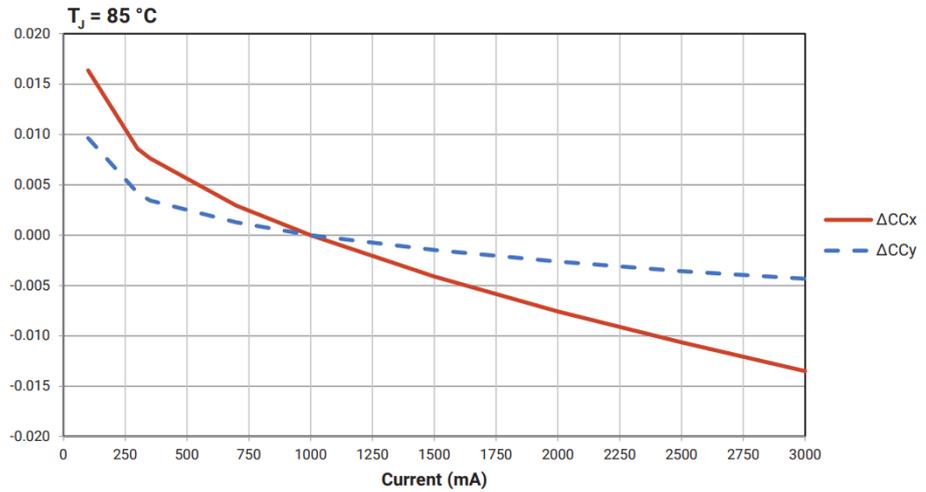
➤ LUMINOUS FLUX
VS.
JUNCTION TEMPERATURE



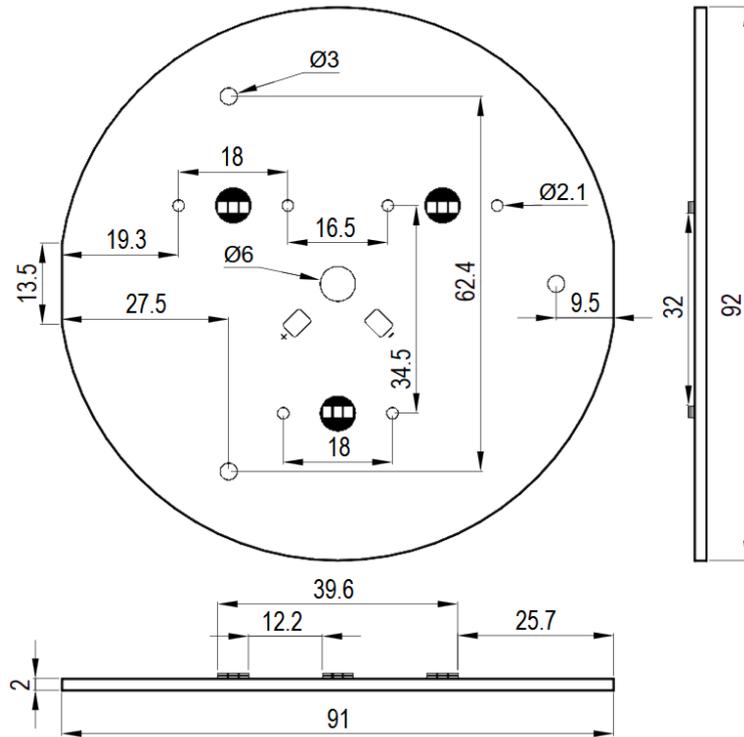
➤ RELATIVE CHROMATICITY
VS.
TEMPERATURE



➤ RELATIVE CHROMATICITY VS. CURRENT



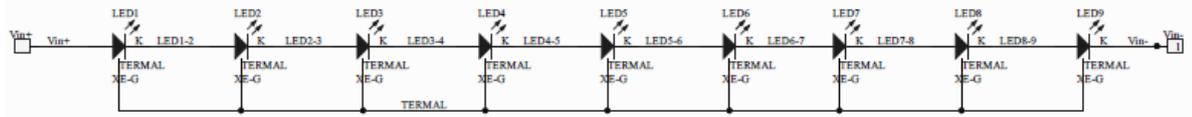
➤ DIMENSIONS



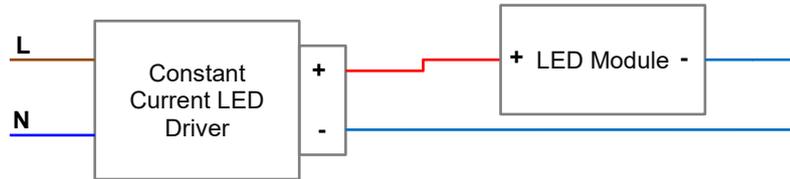
Notes:
Drawing is not to scale.
All dimensions are in millimeters.

| MECHANICAL SPECIFICATION | |
|--------------------------|--|
| Dimensions | 92X91 mm |
| Board Thickness | 2 mm |
| Board Material | MCPCB, 1060 Alloy, 1.5 W/(m*K), black soldermask |
| Shape | Circular |

➤ ELECTRICAL SCHEMA



➤ ELECTRICAL INSTALLATION



➤ ORDERING CODE

| ORDERING CODE / ARTICLE CODE | DESCRIPTION |
|------------------------------|---|
| MOD-9C92-XEGA-3080-VB01 | LED Module, High Efficacy, black soldermask, 9 LED, 92x91 mm, XEGA, 3000K, CRI 80 |
| MOD-9C92-XEGA-4080-VB01 | LED Module, High Efficacy, black soldermask 9 LED, 92x91 mm, XEGA, 4000K, CRI 80 |

➤ COMMERCIAL INFORMATION

| COMMERCIAL INFORMATION | |
|------------------------|--------------------|
| Available Lenses | KHATOD PLLSA2197SQ |
| Minimum Order Quantity | 6 pcs. |
| Warranty | 2 years |

➤ GENERAL TERMS OF USE

- The range of acceptable input voltages must include the expected voltage dropout across the LED string check on CREE LED [Website XE-G Series®](#)
- Connecting to the power supply should be done when the power supply is off.
- Modules should be connected to heatsink to dissipate heat from LED module. Temperature on the module shouldn't be higher than recommended by Cree®. Due to power of the module, appropriate heatsink should be used with thermal conductive tape or paste. The lower temperature on LED module causes longer lifetime.
- During installation of the LED module it is absolutely necessary to use ESD protection. Luminaire design should protect the module from ESD. Installation of the LED module should be done by qualified person.
- Lenses, diodes and other components on the module must be protected against mechanical damage and exposure to liquids and dirt.
- The modules shouldn't have contact with hazardous and corrosive substances or aromatic organic compounds such as toluene, acetone, xylene, benzene.
- For installation of modules use substances recommended and tested by the CREE LED®. List of substances available on the manufacturer's website: cree-led.com

Niviss is not responsible for any damage or failure due to not comply with above rules.

Otherwise, the complaint will not be taken into account.

➤ 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.

➤ DATA DOWNLOAD

- [3D PDF FILE](#)
- [STEP FILE](#)
- [EU DECLARATION OF CONFORMITY \(CE\)](#)