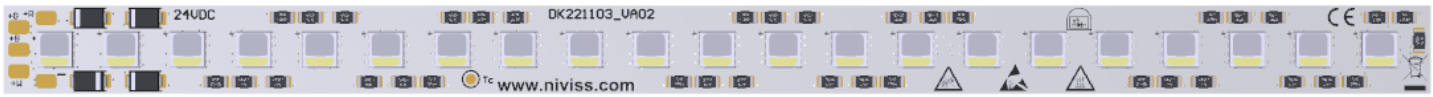
CREE LED® High Efficacy
LED Module nLine-21R204X13-CLQ6B

DK221103

nLine-21R204X13-CLQ6B is LED module based on the RGBW CREE LED optimized for cost effective and high efficacy applications. This **RGBW** module with wide viewing angle and high brightness is designed to work in a wide range of applications.

EPREL registered product



➢ SPECIFICATION

LED FAMILY	CLQ6B-TKW			
CCT/SDCM	Red	Green	Blue	White
	619 - 624nm	520 - 535nm	460 - 475nm	3000K 3-STEP
Lumen Output[1]	170 lm	415 lm	82 lm	490 lm
Efficacy[1]	42.5 lm/w	103.7 lm/W	20.5 lm/W	122.5 lm/W
CRI	n/a	n/a	n/a	75 min
Voltage DC	24 V			
Power Consumption	4 W			
Number of LEDs	21			
Power Supply Type	Constant Voltage			
Energy Class	**n/a**	**n/a**	**n/a**	**E**
Operating Temperature	-30°C ÷ +60°C			
Tc max.	85°C			

[1] **Source performance in real-life conditions at T=25°C without heatsink.**

➢ FEATURES

Application:

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

Feature:

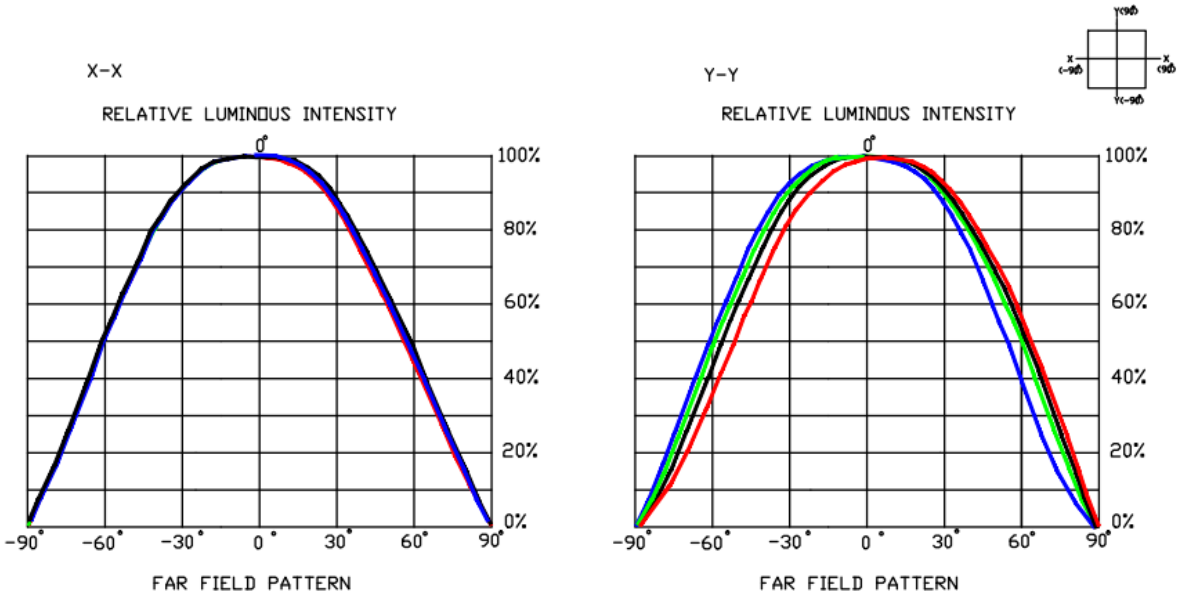
- ❖ Long Lifetime
- ❖ Energy Saving

EPREL Database link

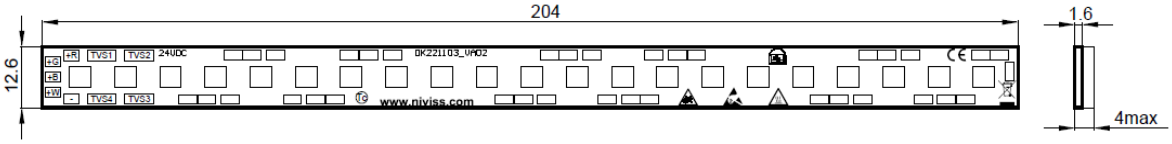
QR CODE

2619454

➢ RELATIVE LUMINOUS INTENSITY



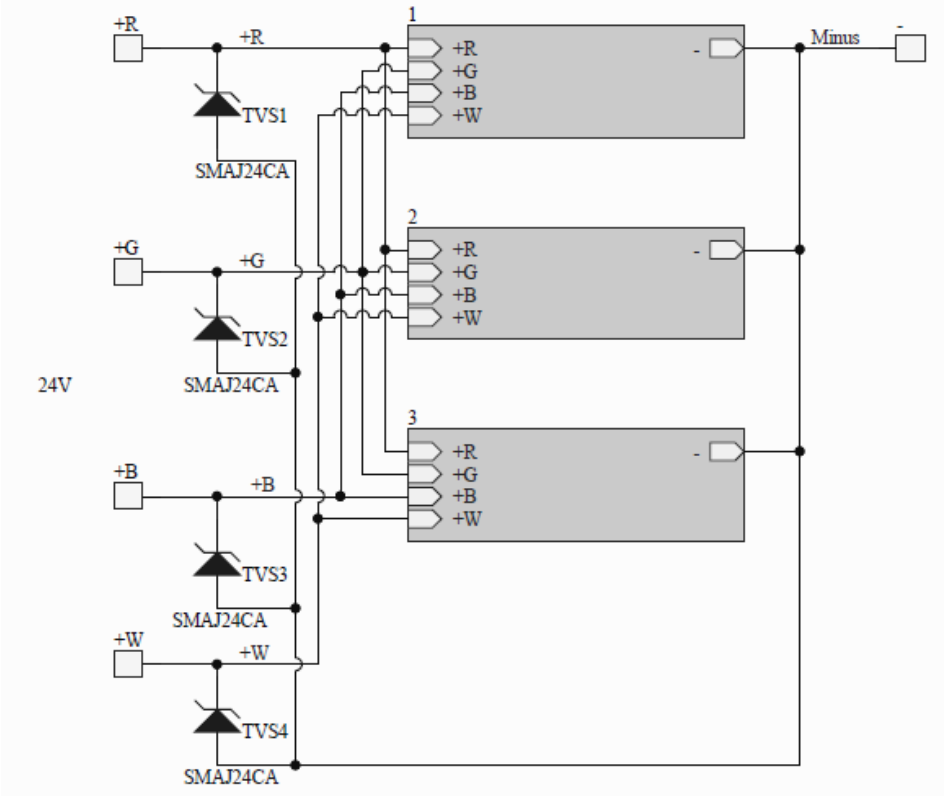
➢ DIMENSIONS



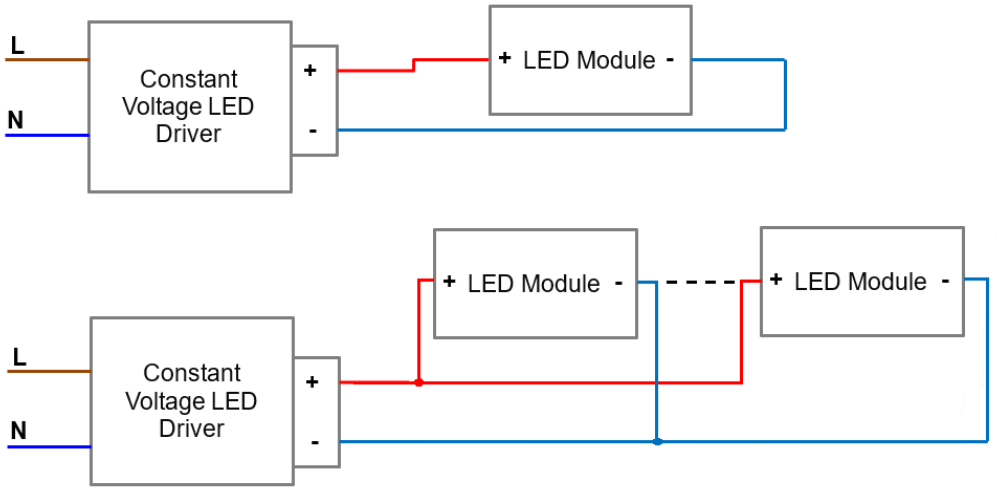
Notes:
Drawing is not to scale.
All dimensions are in millimeters.

MECHANICAL SPECIFICATION	
Dimensions	204 x 12.6 mm
Board Thickness	1.6 mm
Board Material	FR4; white soldermask
Shape	Rectangular

➢ ELECTRICAL SCHEMA



➢ ELECTRICAL INSTALLATION



Note:
The module requires an electrical insulating thermal tape for installation on the radiator.

➢ ORDERING CODE

ORDERING CODE / ARTICLE CODE	DESCRIPTION
MOD-nLine-21R204X13-CLQ6B-RGB30-VA02	LED Module, white soldermask, 21 LED, 204x12.6 mm, RGB + Warm White, 24VDC

➢ COMMERCIAL INFORMATION

COMMERCIAL INFORMATION	
Connector	no
Available Lenses	no
Minimum Order Quantity	10 pcs.
Warranty	2 years
Power Supply	no

➢ GENERAL TERMS OF USE

1. The range of acceptable input voltages must include the expected voltage dropout across the LED string check on CREE LED Website CLQ6B
2. Connecting to the power supply should be done when the power supply is off.
3. Modules should be connected to heatsink to dissipate heat form 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.
4. 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.
5. Lenses, diodes and other components on the module must be protected against mechanical damage and exposure to liquids and dirt.
6. The modules shouldn't have contact with hazardous and corrosive substances or aromatic organic compounds such as toluene, acetone, xylene, benzene.
7. 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)