

## General description

The dimmer RGBWL-K (reference: DM480440) is an electronic constant-voltage 4-channel dimmer that allows to control and regulate 10 to 24 Vdc led strip modules or any other low voltage lamp.

It has been designed to obtain a precise digital regulation receiving orders through the KNX bus, including the possibility to control each of its 4 channels individually or simultaneously for RGB and RGBW applications.

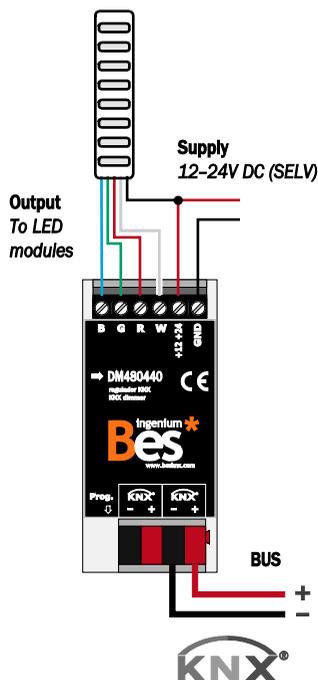
## Characteristics

- 4 Regulation channels that can be controlled individually or simultaneously.
- Maximum operating output current: 3A per channel.
- 8 scenes with memorization function.
- 8 programmable sequences with the possibility of simultaneous execution.
- PWM (pulse width modulation) dimming method.
- Short-circuit and overload protection.
- Last position memory in case of power failure.

## Technical information

KNX supply	29Vdc from KNX bus
External supply	From +10 to +24 Vdc
Maximum power	4x30W (10 Vdc) 4x78W (24 Vdc)
Consumption	5mA from KNX bus
Size	77 x 35 x 17 mm
Mounting	Luminaire or ceiling integration
Connections	2 x KNX connection terminal Screw block for outputs
Environment temperature range	Operation: from -10°C to 55°C Storage: from -30°C to 60°C Transportation: from -30°C to 60°C
Regulation	According to the directives of electromagnetic compatibility and low voltage. EN 50090-2-2 / UNE-EN 61000-6-3:2007 / UNE-EN 61000-6-1:2007 / UNE-EN 61010-1

## Installation



## Remarks

Install low voltage lines (KNX bus and inputs) in a ducting separated from the power (230V) and outputs lines ducting to ensure there is enough insulation and avoid interferences.

Do not connect the main voltages (230V) or any other external voltages to any point of the KNX bus or inputs.

## Further information

