

# Radium



## SMART Blue Profiles

## What are Profiles?

By using profiles you can determine, which kinds of lamps you want to control with your BCU. For example, you decide whether you want to control a RGB-DALI luminaire or just a simple 0-10V luminaire.

Usually, Radium will ship the BCUs correctly with the fitting profile for your application.

## Differences between the profiles

There are differences between the protocols (DALI/DALI DT8/0-10V), which are exported by the BCUs and also in the user interfaces which are adjusted to the relevant application. Additionally, the approached addresses and the version of DALI protocol will change with DALI profiles. It is possible to choose whether the luminaire supports the conventional or the new DALI standard DT8.

With BCU-TED the profiles will change the dimming behaviour. There are profiles, which are optimised, respectively, either for halogen or for LED lamps.

## How do I change the profile of my BCU?

1. Tap "Nearby devices" in „More“ tab.
2. Choose the luminaire, for which you want to change the profile.
3. Now choose „Change profile“, if the luminaire is in decoupled mode. Otherwise at first decouple the lamp.
4. At last, choose the profile you want to use and then tap on „Start Update“ and the profile begins to load.

## Profiles for DALI and 0-10V BCUs

Article Number	Code	App-Code (profile chosen)	Bus protocol	Responsive Addresses	Max. number of luminaires	Brief description
LMCSC43	BCU 0-10V	0-10V	0-10V	-	8	For one or more 0-10V luminaires
LMBA0024	BCU DALI/3CH/ RGB	RGB	DALI	0;1;2	2-3	For a DALI RGB luminaire
LMBA0025	BCU DALI/2CH/ TW	tunable- white	DALI	0;1	2-3	For a tunable white luminaire
LMBA0026	BCU DALI/BC	broadcast	DALI	-	2-3	For DALI luminaires
–	Any BCU	RGBW	DALI	0;1;2;3	2-3	For a DALI RGBW luminaire
–	Any BCU	Switch	-	-		To use the BCU as a cutting surface for a switch
-	Any BCU	3 Channel DIM	DALI	0;1;2	2-3	For controlling 3 DALI luminaires

## DT8 (Device Type 8)

DALI DT8 is a new version of the DALI protocol. You can use the profiles to select whether the BCU should output the new DT8 or the conventional DALI protocol. If your luminaire or your DALI ECG already supports DT8, you must also select a profile with the extension DT8 for controlling the BCU DT8 (RGB DT8, RGBW DT8, TW DT8). If you do not know whether your luminaire already supports DT8, contact the manufacturer or test with which profile the controlling works.

The BCUs supplied by Radium have got the profile set according to their article number. This can be changed for all BCUs arbitrarily with the APP. So, you can employ all possible profiles with every Bluetooth Control Unit if you want to.

## Profiles for BCU TED

Article Number	Code	App-Code (profile chosen)	Dimming method	Max. power of LED lamps in circuit	Max. power of halogen lamps in circuit
LMBA0027	BCU 150/TED	BCU TED	Phase cut	50W	150W
–	BCU 150/TED	TED LED	Phase cut	50W	-
–	BCU 150/TED	TED Halogen	Phase cut	-	150W

When using our Trailing Edge Dimmer, you can adjust the dimming method perfectly to the lamps employed:  
Just choose the optimal profile in the APP.