

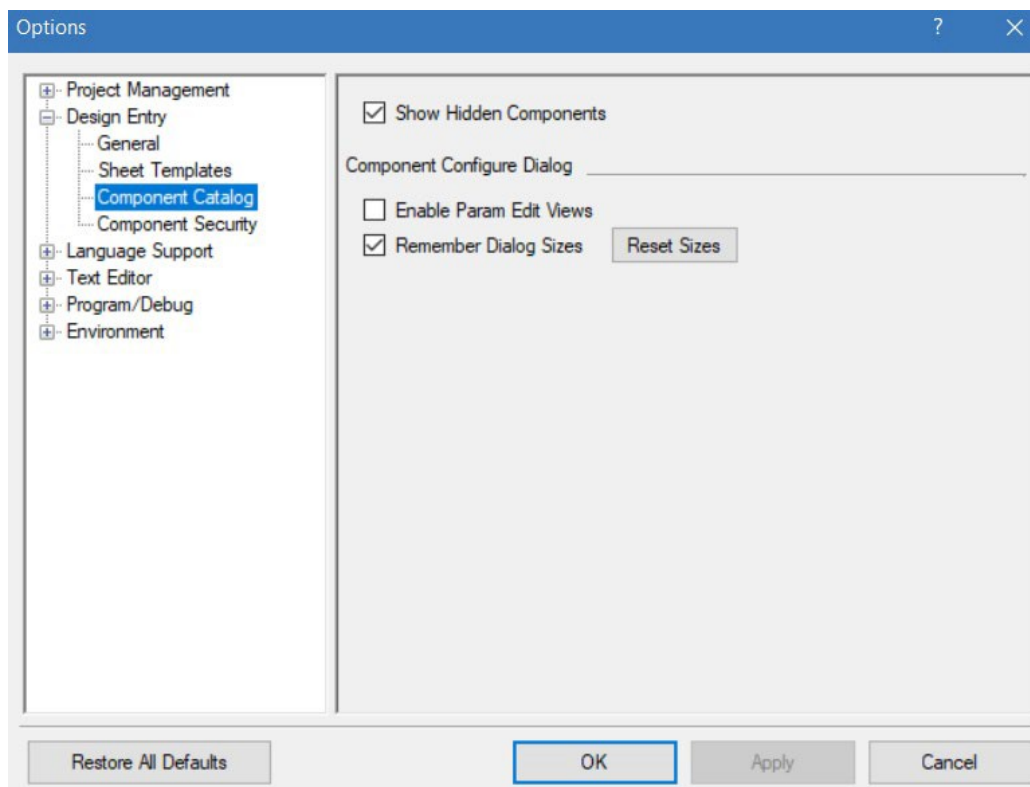
## READ ME

### Additional library

In order to correctly visualize the TopDesign it is necessary to include the Annotation Library and the Additional Library (contained in a .zip archive).

The Additional Library contains the RGB LED and the TMP sensor; to visualize the components you need to include it in the project dependencies and then follow the procedure above:

- Tools
- Options
- Design Entry --> Component Catalog
- select Show Hidden Components

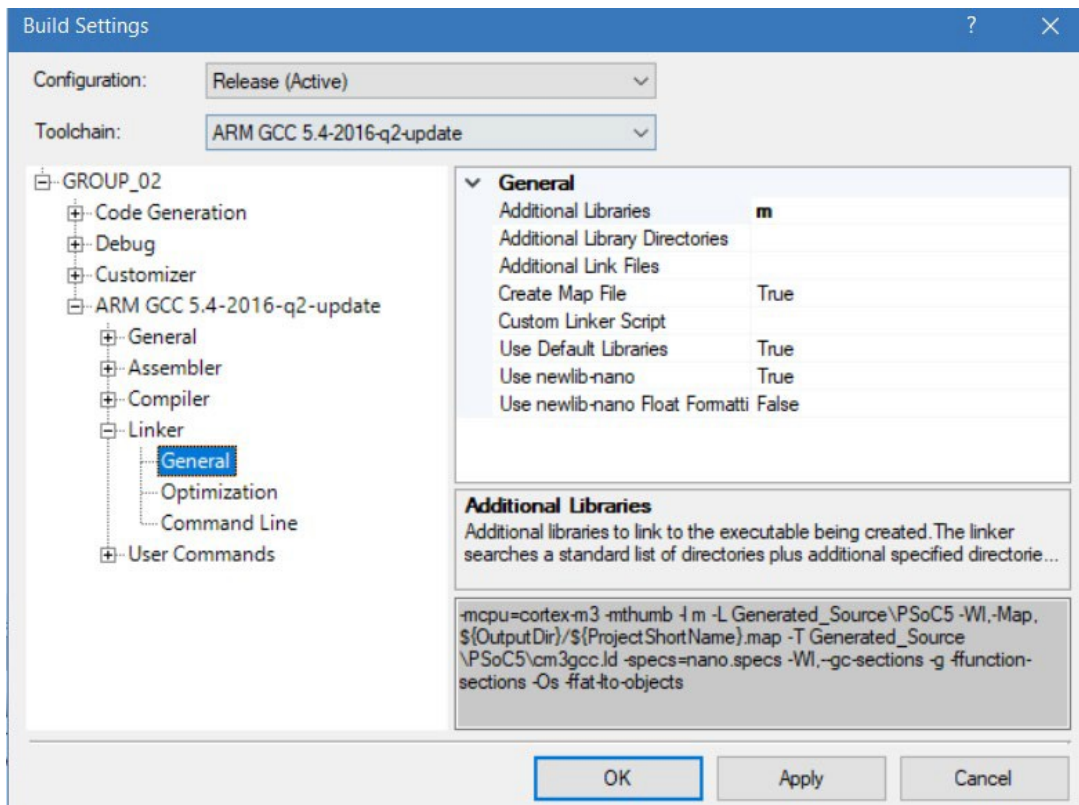


### Include m

In order to correctly execute the conversion from the values in mV of the LDR to values expressed in lux the math.m library need to be included in the project.

This procedure has the following steps:

- Project
- Build settings
- ARM GCC 5.4-2016-q2-update
- Linker
- write an "m" in Additional Libraries



### TopDesign

In order to have the project work properly it is necessary to set the circuit as represented in the TopDesign:

- 330k resistor in RED and GREEN channels
- 220k resistor in BLUE channel
- 10k pull-down resistor in LDR sensor

