LED Lights

The idea behind the application has a slight geophysical background or could be used in this context. The goal was to use the LED strip, for example, to categorize the strength of earthquakes and to arrange their strength by order. This means that you assign colors for different strengths. So there are 12 categories for our three colors. The color green includes the categories one to four, which range from - category 1 "The earthquake is not noticeable" to category 4 "The earthquake is noticeable". Categories five to eight are represented by the color yellow. The area for these categories ranges from "strongly noticeable by most people" to "building damage - slight damage occurs". The color red, which also generally stands for danger, covers the last categories 9 to 12. This area starts with "serious building damage" to "complete devastation". Definitely, an improvement would still be possible, since there are sometimes large differences between the individual earthquake categories. (For example, a category two earthquake is 33 times stronger than a category one.) However, the application provides a specific direction to distinguish earthquakes between:

- non-dangerous, weak, [green]
- Noticeable, potentially dangerous, [yellow]
- strong/very strong, life-threatening. [red]