## Driver circuit decision table

Before deciding what driver to pick for the led, I decided to create an decision table. The most important factors are weighted against each other resulting in a clear point system. The Nr. With the highest points will be considered the highest priority characteristic/function/behaviour the chip should have.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Nr.** | **Functionality** | **1** | **2** | **3** | **4** | **5** | **6** | **Points** | **Weight factor** |
| **1** | **Dim the led without visible flickering** | - | 1 | 1 | 1 | 1 | 1 | 5 | 5 |
| **2** | **Provide enough power to fully brighten LED** | 0 | - | 0 | 1 | 1 | 1 | 3 | 3 |
| **3** | **Enough brightness levels** | 0 | 1 | - | 1 | 1 | 0 | 3 | 3 |
| **4** | **PWM and digital control** | 0 | 0 | 0 | - | 0 | 1 | 1 | 1 |
| **5** | **PWM only control** | 0 | 0 | 0 | 1 | - | 1 | 2 | 2 |
| **6** | **Highest energy efficiency as possible** | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 |