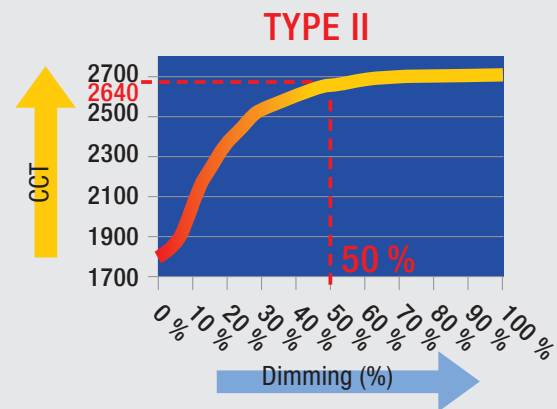


CITIZEN WARM ON DIMMING COBS



Citizen Electronics has developed the Dim-to-Warm COB series CLC0x0 which can change the colour temperature from 2700 K to 1800 K and 3150 K to 1850 K by dimming with a triac dimmer or potentiometer. The aim of this product is to imitate the effect of the incandescent lamp which became warmer by dimming. Those COBs can be used in combination with solderfree holders from Bender+Wirth, which we also available from Endrich stock.

DIMMING BEHAVIOUR:



| PRODUCT LINE UP | | | | | | | |
|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | CLC020 SERIES | | | CLC030 SERIES | | | |
| Appearance | | | | | | | |
| Lumen | 980 lm | 1870 lm | 1330 lm | 940 lm | 1520 lm | 2300 lm | 2920 lm |
| Power | 13.5 W | 15.8 W | 10.7 W | 8.2W | 12.0 W | 19.7 W | 29.0 W |
| LPW | 72.6 | 118.4 | 124.3 | 114.6 | 126.7 | 116.8 | 100.7 |
| Ra min | 90 (2700 K) | 90 | 90 | 90 | 90 | 90 | 90 |
| R9 min | 50 (2700 K) | 50 | 50 | 50 | 50 | 50 | 50 |
| CCT | 1800-2700 K | 1850 - 3100 K | 1850 - 3100 K | 1850 - 3100 K | 1850 - 3100 K | 1850 - 3100 K | 1850 - 3100 K |
| PCB Size | 14 x 19 mm | | | 26x19mm | | | |