

### 3. FEATURES

- Excellent light transmittance designed for best sensitivity

- Output CCT, ALS, and Flicker in parallel
- Fully digital control with 1.2V~3.3V I<sup>2</sup>C interface

- Wide range of VDD voltage: 1.7V~2.0V
- Idle mode current: 2μA
- Sleep mode current: 0.35μA
- Enables superior detections
  - 1024 bytes FIFO
  - Up to 7kHz flicker detection
  - 16-bit digital data output
  - Programmable gain and integration time
  - 8192x dynamic range by gain adjustment
  - Flicker-immune ALS sensing with programmable integration time
- Temperature compensation
- Approximates human eye response
- 1MHz fast I<sup>2</sup>C Interface
- RoHS compliant lead-free OLGA package for smart lighting devices

- Display management
- Ambient light sensing
- Backlight management
- Camera AWB correction assistance
- Flicker-immune camera operation