# SLE-I 590 nm / 600 mW single-channel light engine

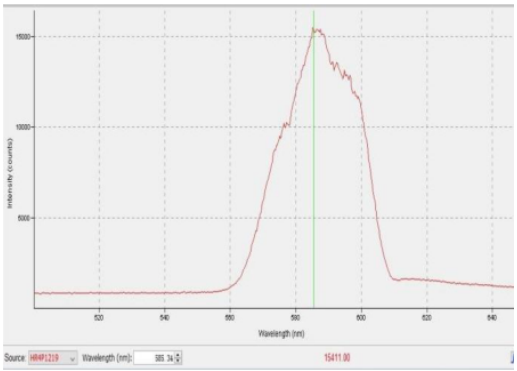
A single-channel LED light engine configured for 590 nm at 600 mW. The assembly integrates intensity control, electronics and air cooling; match the published optical delivery and electrical interfaces to your instrument.

## Model specifications

| Parameter | Specification |
|---|---|
| **Model** | SLE-I |
| **Channel count** | 1 |
| **Wavelength** | 590 nm |
| **Output power** | 600 mW |
| **Intensity control** | 0-100% dimming, accuracy of 1% |
| **Rise / fall time (10-90%)** | Rising/ Descending Edge (10%-90%) <50 microseconds |
| **Operating Mode** | Continuous Output, Default TTL Modulation (Analog Modulation Optional) |
| **Computer control** | Support RS232 host computer control |
| **Control Options** | SMA - External trigger TTL signal (external trigger analog modulation optional); Serial Interface (RS232) - Light Output ON/OFF and brightness adjusting; Manual control box (optional) - Light Output ON/OFF and brightness adjusting |
| **Optical delivery** | 3 mm diameter liquid optical waveguide (LLG) |
| **Operating Temperature** | 10-35°C |
| **Power input** | DC12 V |
| **Cooling** | Air Cooled |
| **Housing dimensions (reference)** | 171mmx114mmx100 mm (Reference) |
| **Source warranty term** | 2 Years |

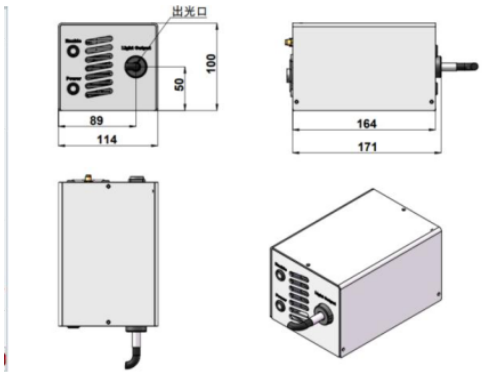
*Output and spectral coverage belong to this configuration; they do not describe a continuously tunable source.*

## Relative emission spectrum



*Normalized spectral output; peaks and channel powers are tabulated separately.*

## Mechanical drawing




*Mechanical outline and interface dimensions in millimeters; use the drawing for mounting.*