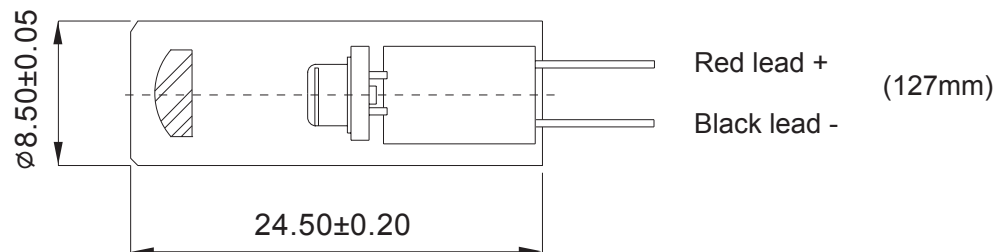


## MODEL TYPE

- VLM-635-16 LPA / VLM-635-16 LPT
- VLM-650-16 LPA / VLM-650-16 LPT

### OUTLINE DIMENSIONS (UNITS: mm)



1. Aspheric glass lens for the best temperature tolerance. For laser leveling, precision, and professional applications. The miniature of model type: VLM-650-15.
2. 0.8 mrad divergence angle.
3. Options: Connection type: Spring / Lead wire (Spring type: by order).  
Output power: Class II - less than 1mW / Class IIIa - less than 5mW.
4. E.S.D. protection 15KV.

SPECIFICATIONS	635-16	650-16
Operating voltage (Vop) □	3 ~ 5V	
Operating current (Iop)	40±15mA	
Cw output power (Po)	≤ 3.5mW	
Wavelength at peak emission (λ p)	630 ~ 645nm	645 ~ 665nm
Collimating lens □	Aspherical glass (φ6.5)	
Housing □	Brass	
Spot size at 5m □	6±2mm	
Divergence □	0.8 mrad	
Mean time to failure (MTTF) 3mW 25°C □	5000 hrs	10000 hrs
Operating temp. range □	-30°C ~ +50°C	
Storage temp. range □	-40°C ~ +70°C	