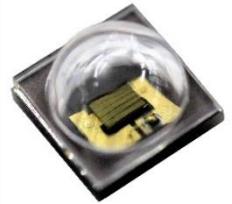


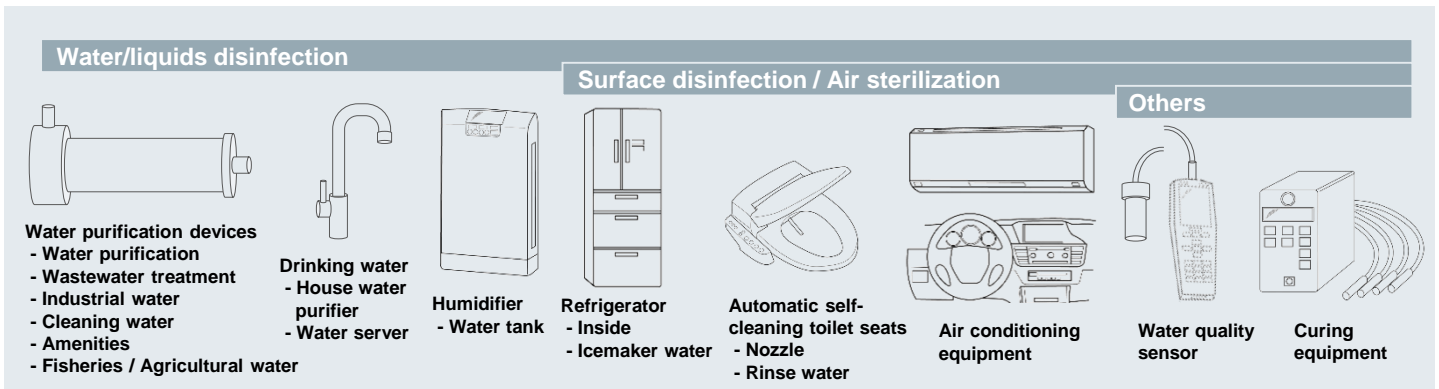
265 nm & 50 mW UVC-LED

Achieved the highest efficiency UV sterilizing light source



ZEU110BEAE-265

Applications

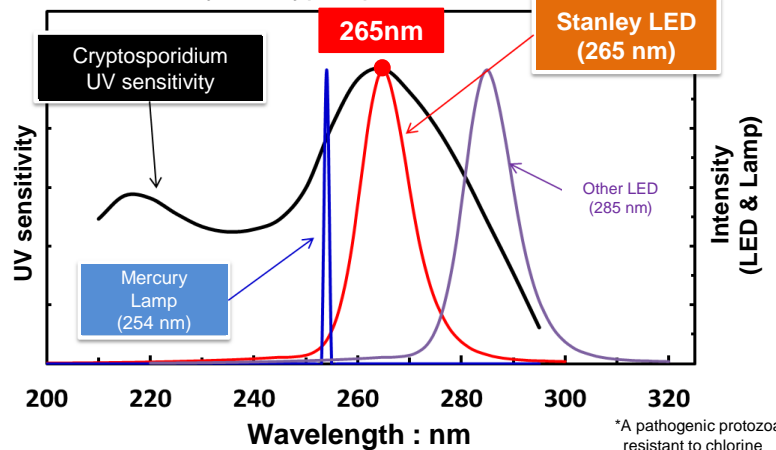


- Ultraviolet sterilization that directly affects the DNA of bacterium
- No residual risk due to no use of chemicals

Features

- 265 nm : the highest sterilizing capability
- 50 mW : world-class high output
- Offers clear advantages over UV lamps:
 - Compact
 - Mercury-free
 - Low power consumption
 - Low heat generation
 - Instant ON/OFF switching

UV sensitivity of Cryptosporidium*



*A pathogenic protozoa resistant to chlorine

Specifications



Part name			ZEU110BEAE	Units
Basic characteristics	Wavelength	λ_p	265	nm
	Light output	P_o	50	mW
	Forward voltage	V_F	7.0	V
	Half intensity angle	$2\theta_{1/2}$	120	deg.
Absolute maximum ratings	Forward current	I_F	500	mA
	Junction temp.	T_j	100	$^{\circ}C$
	Thermal resistance	$R_{th(j-s)}$ ※	6.0	$^{\circ}C/W$
	Operating temp.	T_{opr}	-30 to +85	$^{\circ}C$
	Storage temp.	T_{stg}	-40 to +100	$^{\circ}C$
Size		$L \times W \times H$	3.5 × 3.5 × 2.24	mm

Conditions : $T_a=25^{\circ}C$ $I_F=440mA$ ※Junction-Soldering point

