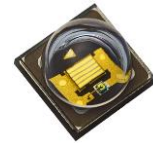
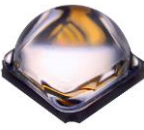


265 nm variation for UV sterilization

Achieved high power and high reliability

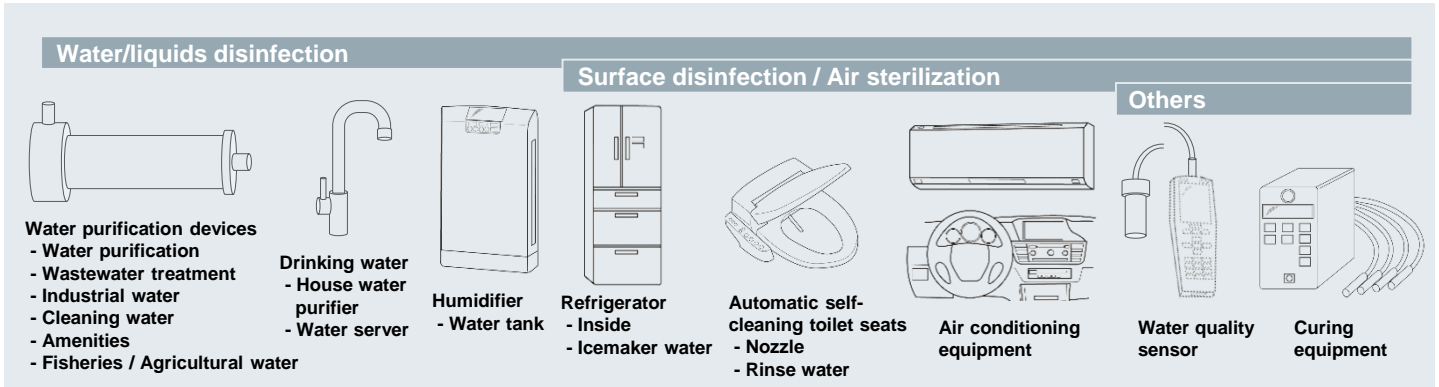


ZEUBE265



Z*UDE265

◆ Applications

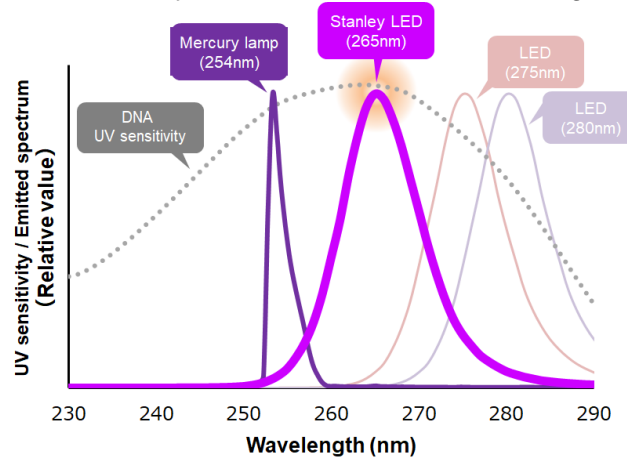


- Ultraviolet sterilization that directly affects the DNA of bacterium
- No residual risk due to no use of chemicals

◆ Features

- 265 nm : the highest sterilizing capability
- Light output variation: 50 to 200 mW
- Hermetic sealed package
- Long life (10,000h/L70) ※1
- Good characteristic at high temperatures
- Offers clear advantages over UV lamps:
 - Compact
 - Mercury-free
 - Low power consumption
 - Low heat generation
 - Instant ON/OFF switching

UV sensitivity of DNA and emitted wavelength



◆ Specifications

Part Name			In mass production		Under development		Units
			ZEUBE265		ZEUDE265	ZHUDE265	
			-2CA	-1DA(※2)	(Multi chip)	(Single chip)	
Basic Characteristics	Wave length	λ_p	265				nm
	Light output	P_o	50	70	200		mW
	Forward voltage	V_F	6.9	6.9	28	7.5	V
	Half intensity angle	$2\theta_{1/2}$	120	120	115	105	deg.
	Sorting current	I_F	440	440	400	1,700	
Absolute maximum ratings	Forward current	I_F	500		500	2,200	mA
	Junction temp.	T_j	100		100	100	°C
	Thermal resistance	$R_{th(j-s)}$	6.0		3.3	3.0	°C/W
	Operating temp.	T_{opr}	-30~+85				°C
	Storage temp.	T_{stg}	-40~+100				°C
Size	LxWxH	3.6 × 3.6 t=2.24			4.1 × 4.1 t=3.0		mm

※1 Conditions : ZEUBE265, $T_j=70^\circ\text{C}$ ※2.Engineering sample is available

