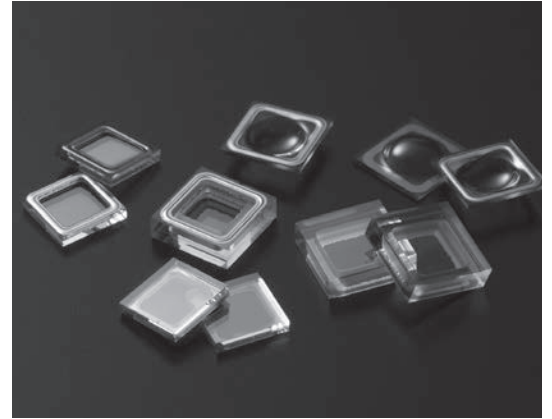


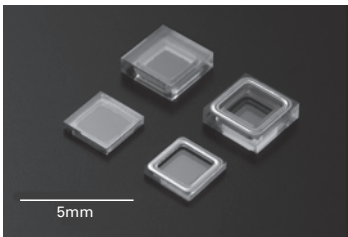
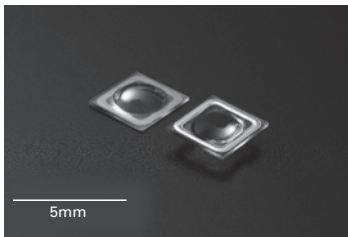
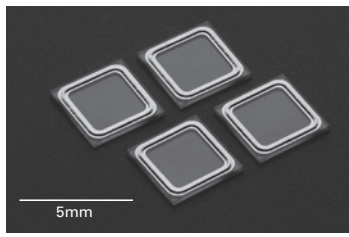
Lid with Sealing Material for UV-C LEDs

For UV-C LEDs used for sterilization and virus inactivation, we have developed two new cap lids with the world's highest* light extraction efficiency. Both of them use UV-C high-transmitting glass (BU-41), which has a coefficient of thermal expansion close to that of aluminum nitride (AlN) and achieves highly reliable sealing.

* According to an internal investigation as of October 2021



Product Lineup and Characteristics

Product	Square Lid	Domed Lid	Flat Lid
Photo			
Glass	UV-C high-transmitting glass (BU-41)		
UV-C AR coating	Double-sided	Under development	Double-sided
Type	High-power type	Light diffusion type	Thin type
Light extraction efficiency	96%	93%	90%
Light distribution angle	110°	120°	100°
Features	<ul style="list-style-type: none"> World's highest light extraction efficiency Ideal for high-power UV-C LED Ideal for thinning the entire package 	<ul style="list-style-type: none"> Wider light distribution angle than square type World's highest light extraction efficiency of domed type Compatible with dome diameter of 2.4 to 60mm High productivity 	<ul style="list-style-type: none"> Plate shape suitable for AlN cavity Ideal for thinning the entire package
	<ul style="list-style-type: none"> Prevention of damage after sealing with the base coating Any metal solder can be formed. 		