

The World's First Color Gastrocamera Light Bulb

Registration No.	Number 00150		
Registration Date	September 2, 2014	Registration Category	Category 1

Name (Model, etc.)	Color Gastric Photography Lamp
Location	Arakawa City, Tokyo Metropolis
	Hosobuchi Electric Lamp Co., Ltd
Owner (Custodian)	Hosobuchi Electric Lamp Co., Ltd
Manufacturer (Company)	Hosobuchi Electric Lamp Co., Ltd
Year Manufactured	1954
Year first appeared	1954
Reason For Selection	The first color gastrocamera light bulb to be developed in the world. This bulb was used successfully in 1954 for the world's first gastric photography in color. A cylinder formed from combining two tiny semi-cylindrical glass bulbs made it possible to switch lamps mid-examination and mid-photography. This bulb contributed to laying the foundation for the future major development of Japanese gastrocamera examination technology. Gastric photography required a lot of lighting as the film was not very sensitive. However, a lot of lighting generated a lot of heat, which had an adverse effect on the stomach wall during examination, so two types of lamps were needed. There was also a system in place to ensure that the lamps did not burn out during photography. Furthermore, the lamp color temperature was also altered to prevent color changes during photography. While early gastrocameras were black and white, it was the development of color photography that really made it useable in medical examinations, as it provided a more discernable view of the stomach wall.
Registration Standard	1 - C(Contributed to the creation of a new scientific or technological field.)

Open/Closed to Public	Open to Public
Photo	
Other useful information	