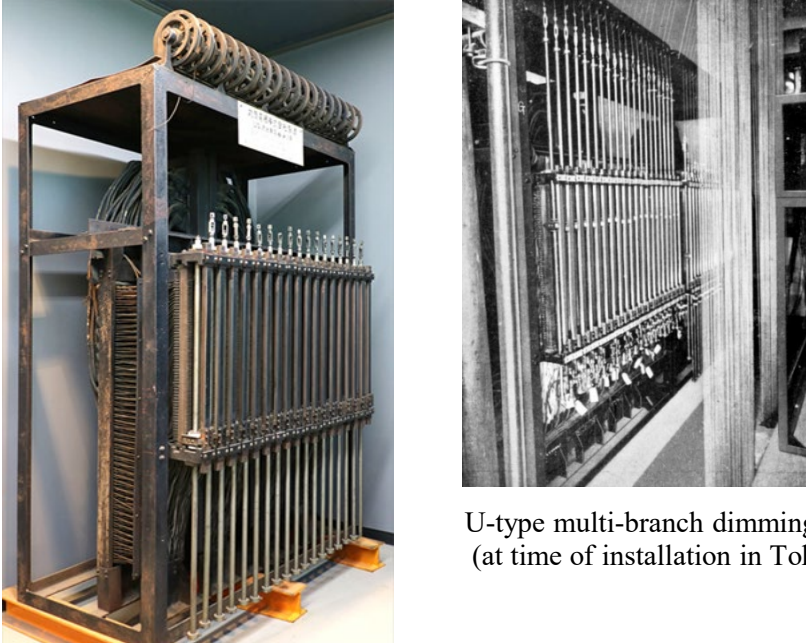


## The first full-scale, independently developed stage lighting equipment

Registration No.	Number 00382		
Registration Date	18 September 2025	Registration Category	Category 2
Name (Model, etc.)	U-type multi-branch dimming transformer		
Location	Ota-ku, Tokyo, Japan		
	Technical center, MARUMO ELECTRIC CO.,LTD.		
Owner (Custodian)	MARUMO ELECTRIC CO.,LTD.		
Manufacturer (Company)	Marumo Electric Works (Current: MARUMO ELECTRIC CO.,LTD.)		
Year Manufactured	1933		
Year first appeared	1933		
Reason For Selection	<p>This item is the main component for the stage lighting equipment that was installed in Tokyo Takarazuka Theater when it opened in 1934. Stage lighting equipment was imported with the advent of Western-style theaters, and by the Taisho era, domestically produced products modeled after foreign ones began to appear. Marumo Electric Works independently developed a multi-branch dimming transformer to replace the resistor-type dimming devices that had been used in those theaters. The first theater in Japan to use one was the Tokyo Takarazuka Theater. Multiple terminals were installed amidst the transformer windings to branch the voltage and allow a single transformer to handle multiple dimming circuits. This eliminated the need for a resistor for each circuit, reduced power loss, and enabled uniform dimming even if load fluctuations occurred. This remained the mainstream system known as the "autotransformer dimmer" for dimming devices used in stage lighting in Japan for over 30 years until it was replaced by the SCR(Silicon Controlled Rectifier) dimming system. It is important because it was the first model of multi-branch dimming transformers.</p>		
Registration Criteria	<p>2-A (Played a notable role in improving people's way of life and creating new ways of living.)                  2-C (Shows an important event or phenomenon in the relationship between society and culture on the one hand and science and technology on the other.)</p>		

Open/Closed to the Public	Not on public display		
Photos	 <p>U-type multi-branch dimming transformer (at time of installation in Tokyo Takarazuka Theater in 1934)</p>		