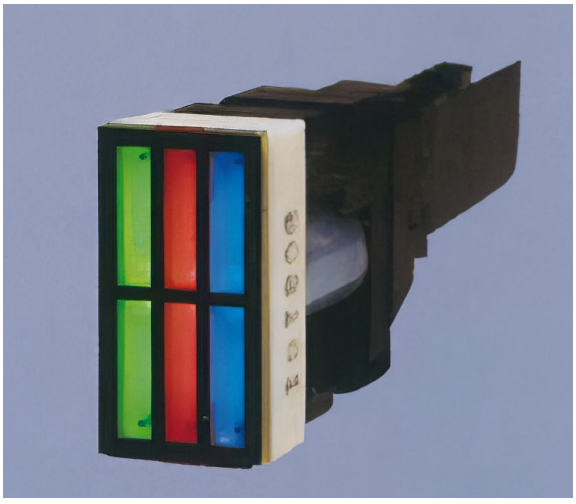
High-Definition Electrical Discharge Light-Emitting Element

Registration No.	Number 00372		
Registration Date	September 10, 2024	Registration Category	Category 1

Name (Model, etc.)	High-Brightness Discharge Tube, as light emitting element for the second-generation Large-Scale Color Video Display System "ASTROVISION"
Location	Kadoma-shi, Osaka Panasonic Holdings Corporation
Owner (Custodian)	Panasonic Holdings Corporation
Manufacturer (Company)	Matsushita Electronics Corporation（Current: Panasonic Holdings Corporation）
Year Manufactured	Around 1989
Year first appeared	Around 1988
Reason For Selection	This item is a light-emitting element designed for the large image display device ASTROVISION. It utilized a florescent electrical discharge tube to achieve both high resolution and a luminescence of 5,000 cd/m^2. The pixel pitch is 18 mm. Low power consumption was realized by routing six discharge paths through a common cathode. The use of color filters on the front surface broadened the range of color reproduction. Four elements have been preserved from among the prototype and mass production models. This is important as the most high-definition electrical discharge method light-emitting element existing in this field.
Registration Standard	1-A (Show an important aspect or stage of the development of science and technology.) 2-A (Played a notable role in improving people’s way of life and creating new ways of living.)

Open/Closed to Public	Closed to Public
Photo	
Other useful information	The ASTROVISION is no longer in production.