Business Outline

LEDS & LDS

FOR SPECIALTY LIGHTING

USHIO OPTO SEMICONDUCTORS, INC.

Dec., 2018

USHIO



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USHIO

World-Proud USHIO's Industry Lights

UV~Visible~IR Select and Provide 'Lights' You Want from numerous 'Lights' th ← Long wavelength

Short wavelength



Versatile Function of Light as Photochemical Energy and Heat Energy

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Introduction of USHIO OPTO SEMICONDUCTORS, Inc.

USHIO OPTO SEMICONDUCTORS is the only company for specializing in Industry Lights in the world.



All the products are used in Six Industry Categories.

Focus on Six Applications

Digital Imaging Projector / 3D Printer



Sensing / Measurement Optical Sensing / Security



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Industrial Process Direct Imaging / Curing

Automotive / ITS Head Up Display / ETC



Science / Medical / Bio Medical Vein Detection



Professional Illumination Black Light





Outline

- Company name
- Establishment
- Head office
- Scope of business
- Board of directors

- Employees
- Paid-in capital
- Shareholder
- Settlement term

USHIO OPTO SEMICONDUCTORS, Inc.

July 2014

Marunouchi Kitaguchi Bldg. 1-6-5 Marunouchi Chiyoda-ku, Tokyo 100-8150, Japan

Industrial and /Consumer Semiconductor Laser Diode and LED Business

Hiroaki Banno: Director, President and CEO, COO Masaki Yoshioka: Director Hiroshige Hata: Director Keiichi Miyao: Director Koji Naito: Director Akihiko Tomaru: Director Uichiro Kobayashi: Director and Senior Advisor 160 490 Millions of Yen≒45K\$ USHIO INC. (100%) March 31

http://www.ushio-optosemi.com/



Optical Semiconductor technologies founded over 38 years, are now put together...

Optical semiconductor business in USHIO group, integrated with USHIO OPTO SEMICONDUCTOR , Inc. July 1st, 2016 It aims to accelerate the solid-state light source business where future growth is expected.



Dase	
HQ, Sales 1-6-5 Marunouchi, Chiyouda-ku, Tokyo TEL : +81-3-5657-1040 FAX : +81-3-5	
Gotenba 1-90 Komakado, Gotemba-shi, Shizuol TEL : +81-550-86-0571 FAX : +81-55	
Kyoto 66-3, Minamikawabe-cho, Higashi-Kujy Kyoto 601-8034, Japan TEL : +81-75-682-2338 FAX : +81-75	There are a set of the
Saku 970-1 Nagatoro, Saku-shi, Nagano 385	5-0021, Japan
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"Site Location of USHIO OPTO SEMICONDUCTOR, Inc."



One Stop Solution with LED/LD

In-house integrated production of LED / LD devices for industrial area. Reliable products are provided.







We will realize the optimum LD/LED device. It can be proposed in accordance with the wavelength for customers' applications with our characteristics of devices.

We can make proposed and customized products from abundant package. Also, we will proactively propose packages

including composite wavelength package and optical system.



We are Vertically Integrated from R&D to Epitaxial process until package process.

We also actively promote innovation creation by collaborating with advanced research institutes, universities.





Lighting- Edge Technologies

USHIO