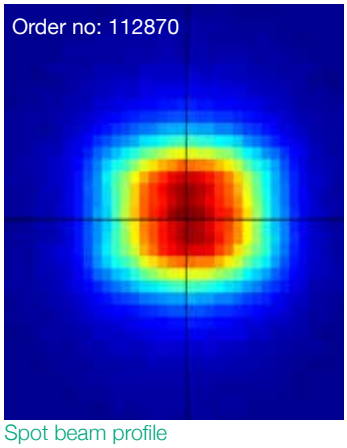
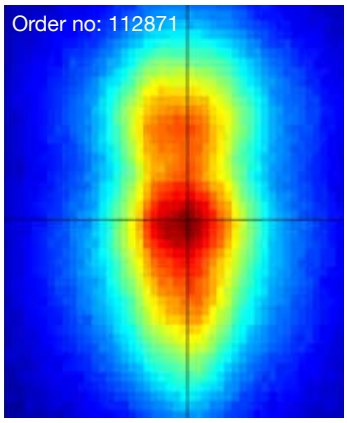
USHIO Applying Light to Life



Spot beam profile



Linear beam profile

- Maximized power efficiency
- Spot or linear beam profiles
- Compact and flexible
- Universal burning position

Reflectors for Infrared Pin Lamps

Targeted modular heat distribution for pin-point accuracy

Ushio's new modular reflectors give even more control over the output of single-ended, pin type IR lamps. While some pin lamp models already feature a reflective coating, Ushio has developed a series of reflectors to offer improved precision, maximum efficiency, and the freedom to create unique irradiation patterns. As an alternative to customised, bent IR lamps, the pin lamp and accompanying reflector have been designed to accommodate universal burning positions. Not only that, there is no limit to the number of reflectors that can be linked together. Any shape, pattern, or layout can be formed to provide pin-point IR irradiation in exactly the right places.

Ushio's IR pin lamp reflectors offer a compact, flexible solution for uniform heating applications that involve limited installation space or require a complex heating pattern.

Distinctive reflector designs allow the operator a choice of heat distributions. For some applications, focusing the IR emissions onto a single spot is ideal, such as static heating processes. Others require the concentration of radiation into a linear beam profile, suitable for conveyor belt or zone-heating applications.

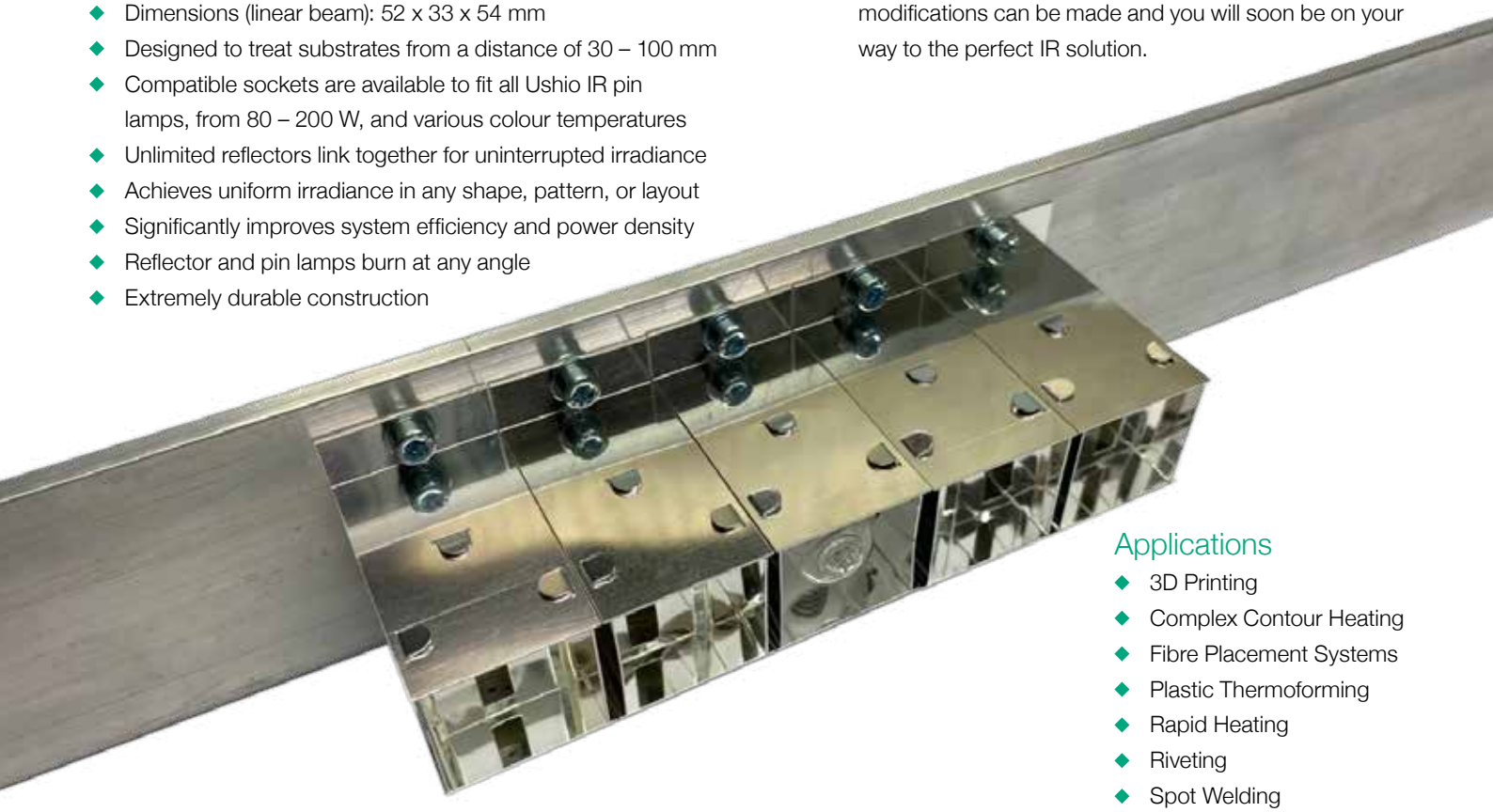
Reflector Specifications

- Dimensions (spot beam): 28.8 x 25.3 x 48.2 mm
- Dimensions (linear beam): 52 x 33 x 54 mm
- Designed to treat substrates from a distance of 30 – 100 mm
- Compatible sockets are available to fit all Ushio IR pin lamps, from 80 – 200 W, and various colour temperatures
- Unlimited reflectors link together for uninterrupted irradiance
- Achieves uniform irradiance in any shape, pattern, or layout
- Significantly improves system efficiency and power density
- Reflector and pin lamps burn at any angle
- Extremely durable construction

Test Your Reflector Array with Ushio

Planning the most effective installation of an IR heat source can be troublesome. Unique constructions are completely feasible, but rigorous testing procedures must be carried out to get the best out of your equipment. The Ushio team is ready to support you throughout the investigation process at the purpose-built Infrared Application Laboratory, in Steinhoering, Germany.

Using bespoke heat-mapping software, our engineers replicate your application conditions in the lab. Once the desired effect is identified and replicated, Ushio can tell you exactly where your heat is going. If necessary, modifications can be made and you will soon be on your way to the perfect IR solution.



Applications

- 3D Printing
- Complex Contour Heating
- Fibre Placement Systems
- Plastic Thermoforming
- Rapid Heating
- Riveting
- Spot Welding
- and many more...

Developing Solutions Together

Ushio is a partner that listens to your ideas and requirements. Let us optimise your processes according to your specifications and expectations. Use our expertise to develop a tailor-made solution that matches your needs.

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Version: 2021-F-IR-REFLECTOR-EN