UV/IR LEDs CUSTOM DEVICES

USHIO is a high quality solutions provider in the field of industrial LED's and photo sensors. As a solutions provider, USHIO offers all wavelengths from UVC to visible and even into the infrared spectrum with available wavelengths between 270 and 1550nm.

An extensive range of package styles are also available including SMD, high power TOP, super beam, ultra high power arrays, stem, SMBB and photodiodes and phototransistors. With this wide array of available LED wavelengths and package styles, USHIO products are able to meet the needs of many market segments. These markets include UV curing, lithographic exposure, automotive ITS, visual imaging, bio-medical applications, night vision, sorting and material curing. Speed, agility and flexibility define USHIO's LED solutions.

IR Illumination:

IR LED arrays are available between 780 and 1550nm. Their customizable sizes and wavelengths allow for IR security monitoring as well as specific material and area heating and curing. Other custom wavelengths are available upon request.

Multi Wavelength:

With a multi wavelength, the user is given the option to use a combination of a variety of available wavelengths in a single package. These combination wavelengths are available between 270 and 1550nm and can also combine UV and IR wavelengths. Standard multi wavelength packages available.

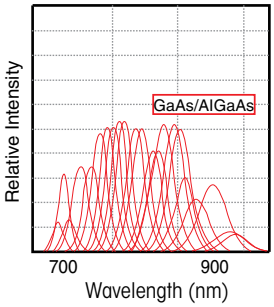
High Density Array:

In a high density array, up to 60 chips can be used in less than an 8mm square array. These arrays are available for most wavelengths between 270 and 1550nm.

High Power Array:

High power output arrays feature uniform light emission using water cooling systems. These UV wavelengths are available between 365 and 405nm. Other custom wavelengths are available upon request.

Simulated spectral radiation power traces indicate the typical spectral performance of each part number. This is not an actual measurement data.



700	760	870	1050
720	780	890	1070
735	810	910	1200
740	830	940	1450
750	850	970	1550

Near-Infrared Light

Wavelength (nm)

Package Lineup

LED Plastic Mold

Surface Mount Package

Stem Type LED

Super Beam Type LED

High Power SMB

High Power Illuminator

SMB with Outer Lens

For Horticulture Lighting