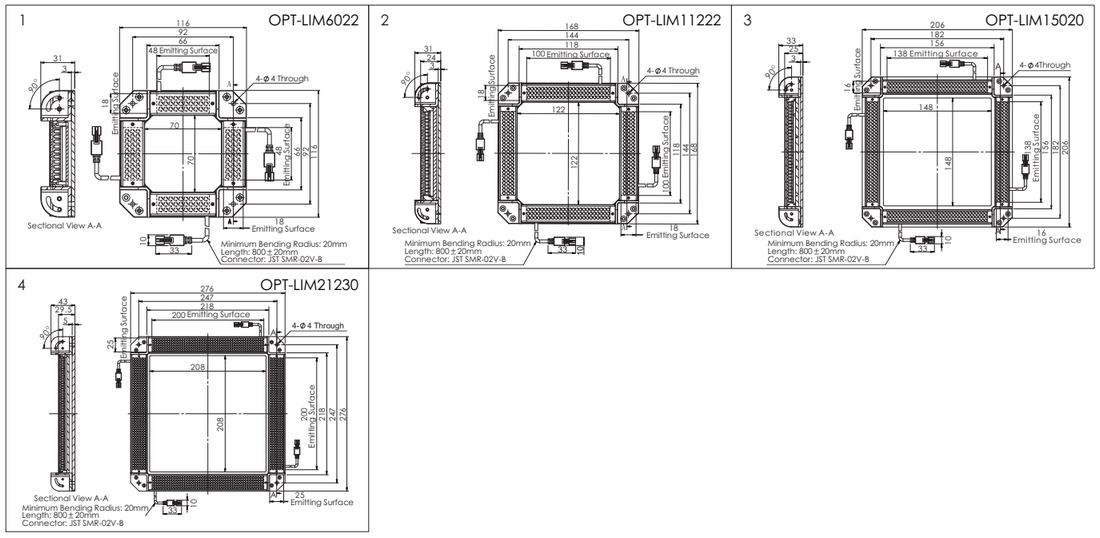
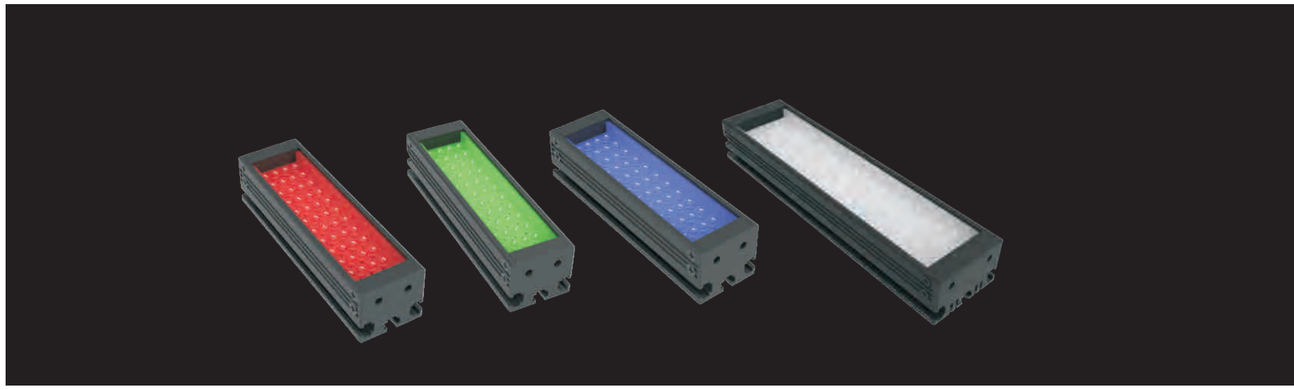
Model Table

No.	Model	Output ●	Output ○●●	Recommended controller
1	OPT-LIM6022	24V/3.6W	24V/3.6W	OPT-DPA1024E
2	OPT-LIM11222	24V/7.2W	24V/10.4W	OPT-DPA1024E
3	OPT-LIM15020	24V/9.6W	24V/14W	OPT-DPA1024E
4	OPT-LIM21230	24V/28W	24V/38.4W	OPT-DPA1024E

Dimensional Drawings [mm]

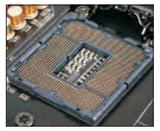


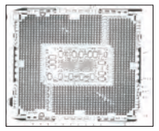
High Density Bar Lights OPT-LIJ Series New

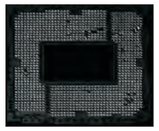


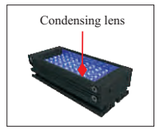
Product Features

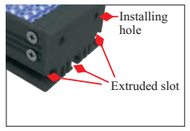
1. SMD integrated LED light
2. Special condensing lens design, improved uniformity
3. Higher LED density compared with other high-power bar lights
4. Mounting options with M3 screws, also in three extruded slots M3 nuts can be inserted


Detected Objects


Other Light


LIJ12330-W





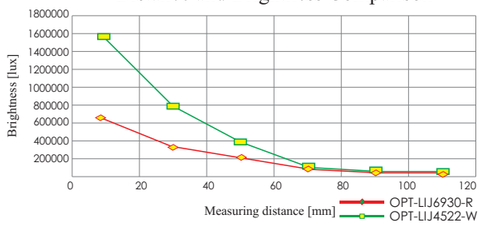
Application Areas

- OCR-Optical Character Recognition
- Bar code recognition
- Metal surface inspection
- Image scanning
- LCD board inspection

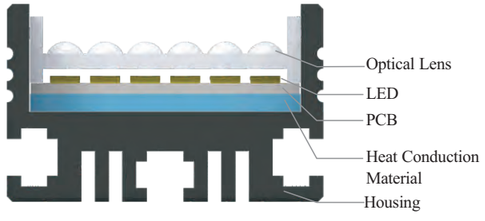
Selection Guide

OPT-LIJ4522
- Width
- Length
- High-uniformity SMD Bar Light
- OPT

Distance and Brightness Comparison



Sectional Structure Diagram



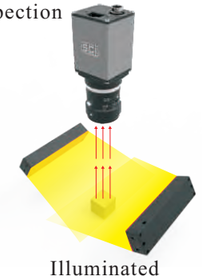
Customized Light

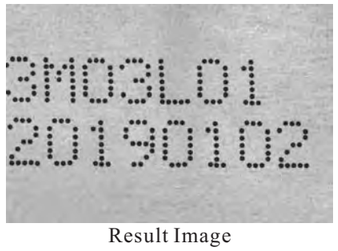
- Customized length
- Customized entry cable
- Customized installation

Application Example

Inspected item: Packing box character inspection

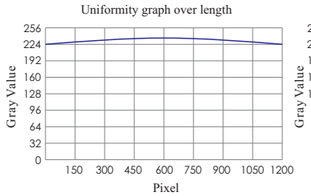
Original Image

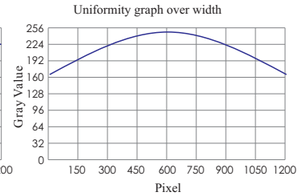

Illuminated



Result Image

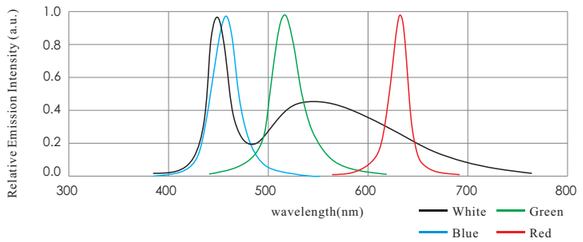
Reference OPT-LIJ12330 Grey Value Sampling



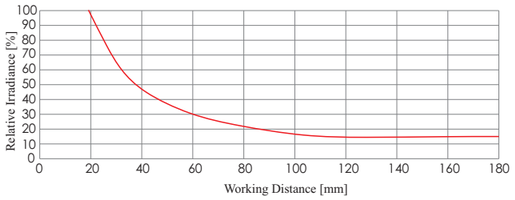


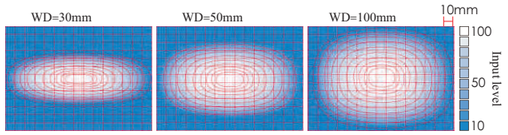
Note: We used a CCD camera for the analysis of the grey values; above drawing shows the average grey values

*Above data is just for reference, not for quality assurance



Relative Emission Intensity, Uniformity Chart





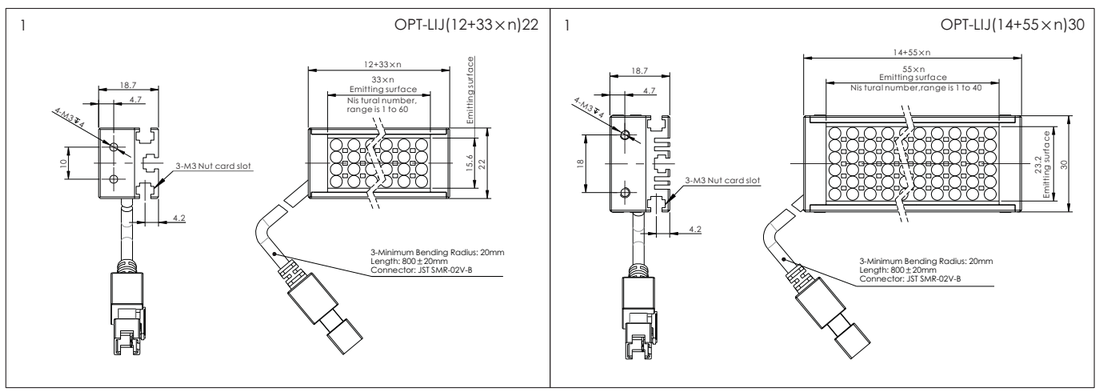
LIJ6930-W Uniformity Drawing

Model Table

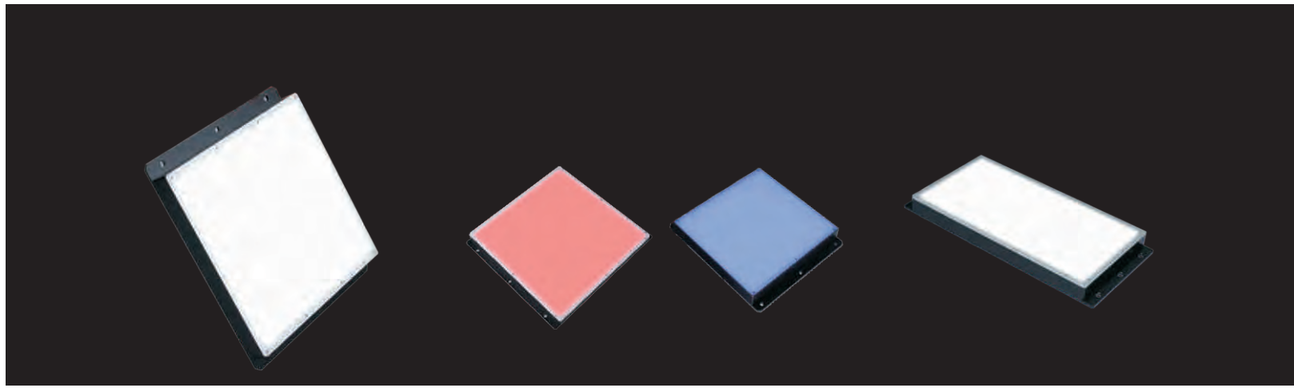
No.	Model	Output ●	Output ○●●	Color	Size	Recommended controller
1	OPT-LIJ4522	24V/0.7W	24V/1.8W	●●○●	1	OPT-DPA1024E
2	OPT-LIJ7822	24V/1.4W	24V/3.6W	●●○●	2	OPT-DPA1024E
3	OPT-LIJ11122	24V/2.1A	24V/5.4W	●●○●	3	OPT-DPA1024E
4	OPT-LIJ6930	24V/2.3A	24V/4.3W	●●○●	1	OPT-DPA1024E
5	OPT-LIJ12430	24V/4.6W	24V/8.9W	●●○●	2	OPT-DPA1024E
6	OPT-LIJ23430	24V/6.8W	24V/13.3W	●●○●	4	OPT-DPA1024E

Remarks: refer to the parameter chart to get the quantity of channel

Dimensional Drawings [mm]



Back Lights OPT-FL Series



Product Features

1. Large area illumination
2. Mainly used for contour image and large area uniform illumination

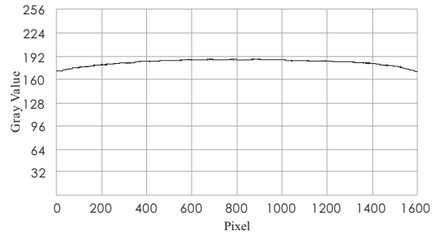
Application Areas

- Geometric measurement of mechanical details
- Electronic components, IC contour detection
- Blur Inspection film
- Transparent objects scratches detection

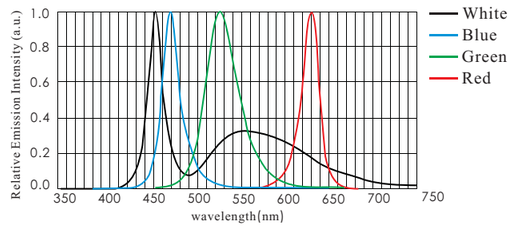
Selection Guide

OPT-FL9090
- Width
- Length
- Bottom Back Light
- OPT

Uniformity Chart



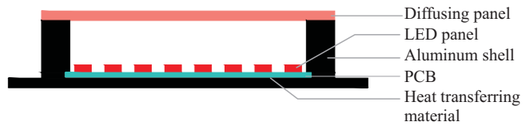
Spectrum Chart



Customized Light

- Customized color
- Customized waterproof light
- Customized sub regional
- Customized size
- Customized installation way
- Customized light group
- Customized connector
- Multi-color customization

Sectional Structure Diagram

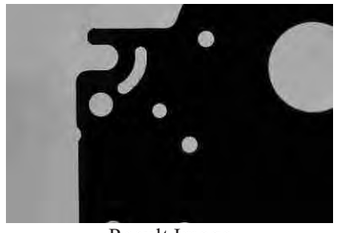


Application Example

Inspected item: Metal parts contour detection

Original Image

Illuminated



Result Image