



LUDRE TEST MEASUREMENT AND QUALITY CONTROL SOFTWARE

LUDRE YAZILIM

<https://www.ludre.com.tr/>

UPDATE: AUGUST 2022

Back Light L1616

1.FEATURES

- Lighting Color: 6000K, Green, Red
- Lighting Angle: 30°, 60°
- Intensity Of Illumination: 0,640 lm
- Led Number: 256
- Input Voltage: 24 V
- Input Current (15 μ s): 1,28 Amp
- Input Current (1 second): 0,80 Amp
- Input Current (1 minute): 0,64 Amp
- Input Current (continuous): 0,384 Amp
- Dimensions: 12,2 cm x 12,2 cm x 2,5 cm
- At Constant Voltage Operation: Have
- Diffusor Option: There Are

2.DESCRPTIONS

- Backlight lightings include various options suitable for projects with different angles and color options. It is used in all areas where there is a camera and used in the field of artificial image processing. however, it is preferred in machine lighting and used in special machine lighting.

3.APPLICATIONS

- | | |
|-----------------------------------|---|
| • Engine Part Inspections | • Cell counting |
| • Packaging Inspections | • Cell Identification |
| • Medical Bottle Inspections | • Flame Length Measurement |
| • Food Package Inspections | • Edge Detection |
| • Surface Inspections | • Material Strain Measurement (elongation / shortening / degradation) |
| • Microscopic Camera Applications | • Motion Detection |
| • Particle Imaging in Liquid | • Product Counting |
| • Particle Size Measurement | |



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- Particle Counting
- Particle Identification
- Microscopic Camera Applications
- Cell Imaging
- Machine Monitoring
- Image Processing
- Industrial Led Lighting
- Conveyor Line Lighting
- Robot Vision Applications
- Industry 4.0 Applications
- Machine Lighting
- Bar Light
- Dark Field Light
- Color Concentration Information
- Coordinate Information
- Velocity Measurement
- Obtaining Information such as Product Shape
- Volume, Faulty Product Elimination
- Machine Vision
- Test and Measurement
- Dome Light
- Ring Light
- Panel Light
- Back Light
- Dome Type
- Lighting



Figure 1. Back Light L1616

Product Name	Dimensions
Back Light L1616	Length: 264 mm
	Width: 77 mm
	Height: 25 mm



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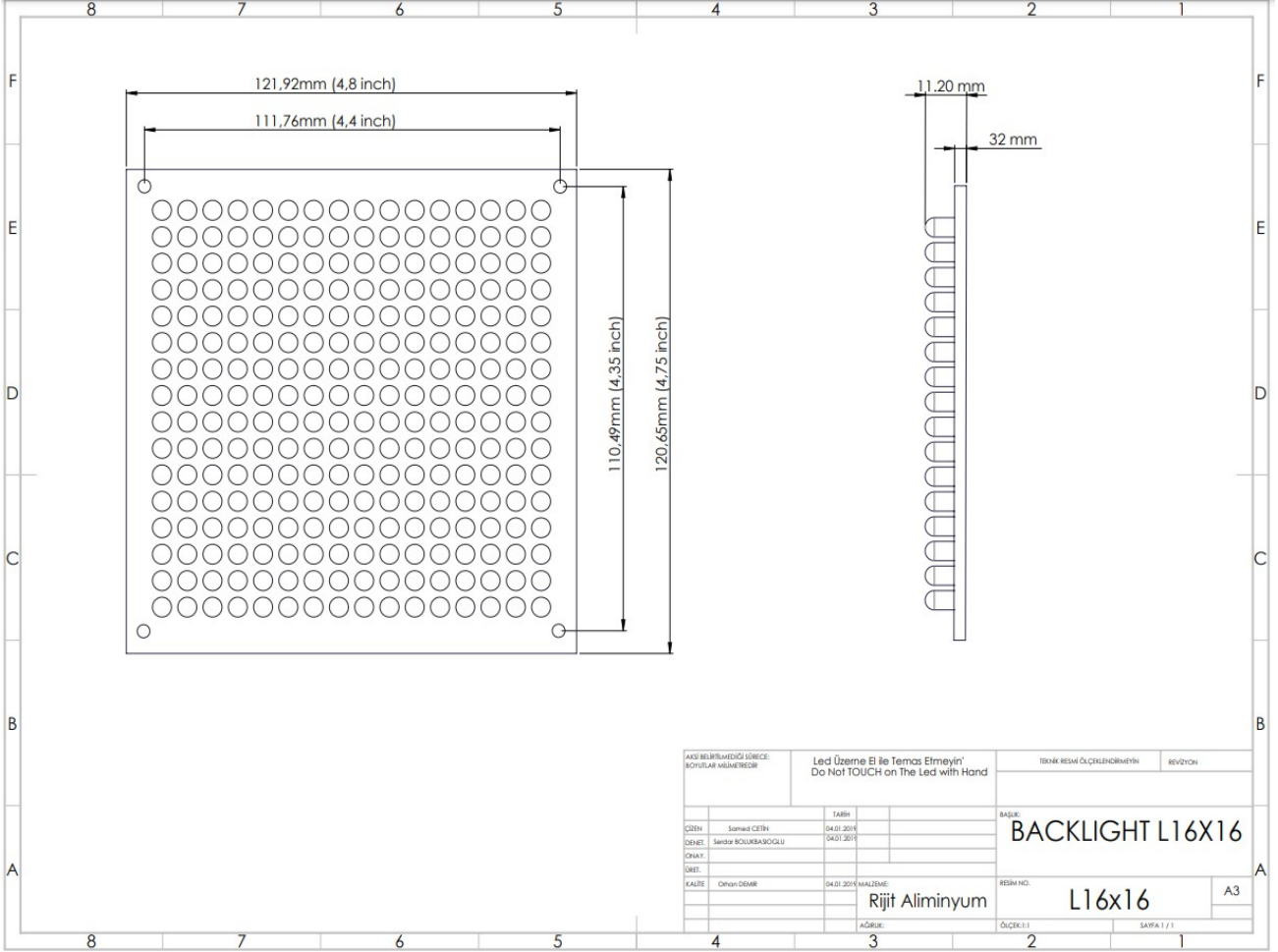
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4.DIMENSIONS





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5.DOCUMENTS

<https://www.ludre.com.tr/back-light-11616/31>

Backlighting is one of the most popular forms of vision inspection illumination, providing maximum contrast between object and scene and producing a high contrast image with consistent edge definition.

Commonly applied to measuring, defect and hole detection, and determining the orientation of parts.

Our range Backlights includes several models, colours and lengths and there are also custom orders available.

Area lights are used to illuminate backgrounds and check contours and thereby for the camera top view for the outline detection of objects.

The lighting systems are available in all application-relevant color temperatures and can be used for objects with sizes.