



# LUDRE TEST MEASUREMENT AND QUALITY CONTROL SOFTWARE

LUDRE YAZILIM

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

UPDATE: AUGUST 2022

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## Back Light L3864

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### 1.FEATURES

- Lighting Color: 4000K, 6000K, UV 370 nm, UV 390 nm  
Lighting Angle: 15°, 30°, 60°  
Intensity of Illumination: 2.88 k lm  
Number of Leds: 18  
Input Voltage: 24 V  
Input Current (15  $\mu$ s): 4 Amp  
Input Current (1 second): 2.8 Amp  
Input Current (1 minute): 1.4 Amp  
Input Current (continuous): 1 Amp  
Dimensions: 13 cm x 13 cm x 5 cm  
Constant Voltage Usage: Yes  
Diffuser Option: None

### 2.DESCRPTIONS

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



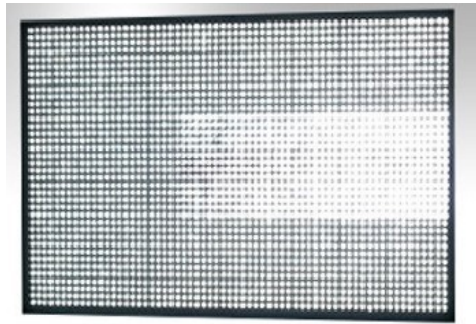
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- Particle Counting
- Particle Identification
- Microscopic Camera Applications
- Cell Imaging
- Machine Monitoring
- Image Processing
- Industrial Led Lighting
- Conveyor Line Lighting
- Robot Vision Applications
- Industry 4.0 Applications
- Machine Lighting
- Bar Light
- Dark Field Light
- Panel Lighting
- Dark Effect Lighting
- 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
- Ring Lighting



**Figure 1.** Back Light L3864

| Product Name        | Dimensions     |
|---------------------|----------------|
| Back Light<br>L3864 | Widht: 130 mm  |
|                     | Heigh: 50 mm   |
|                     | Lenght: 130 mm |



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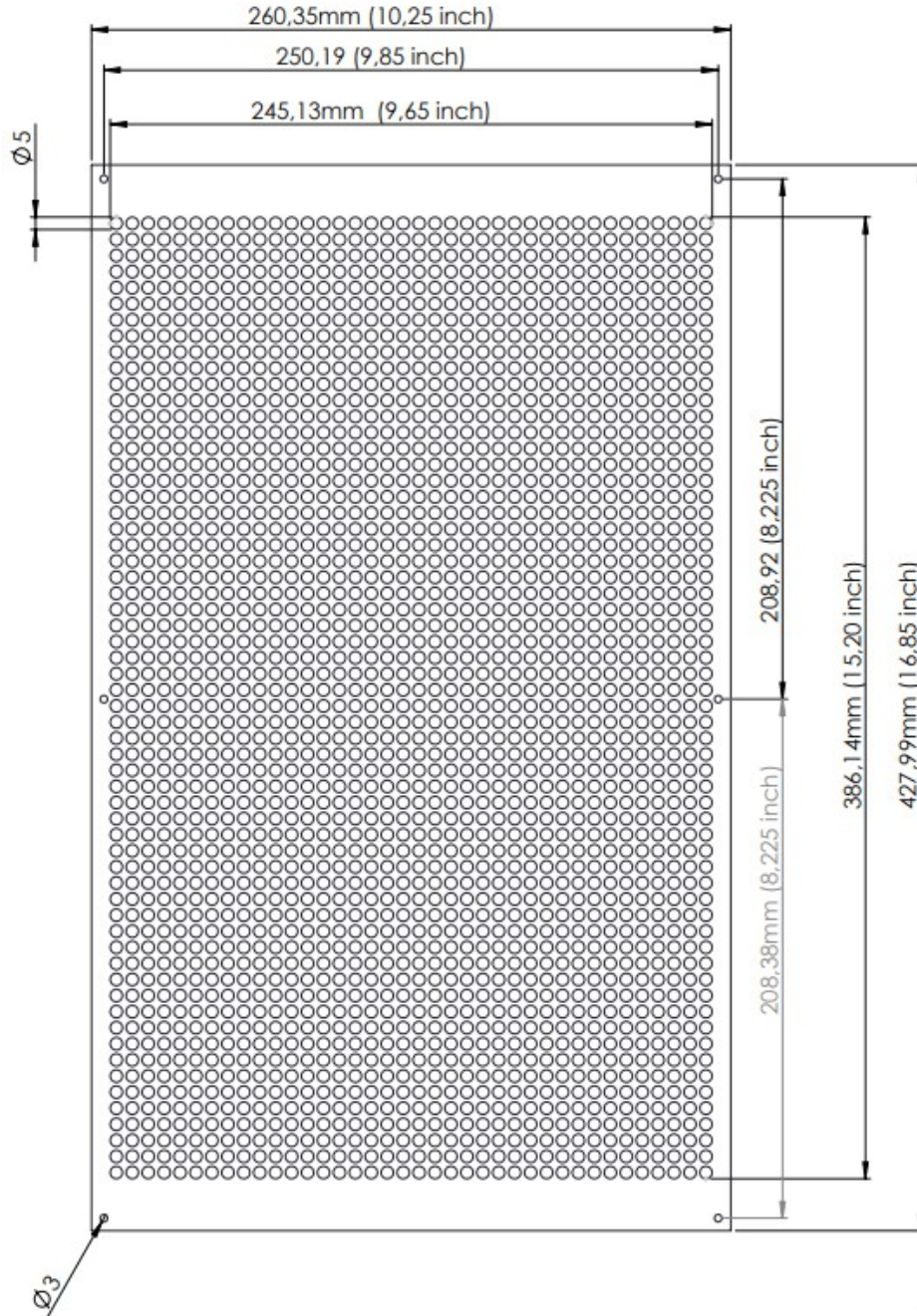
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## 4.DIMENSIONS



**Figure 4.** Back Light L3864 Dimensions

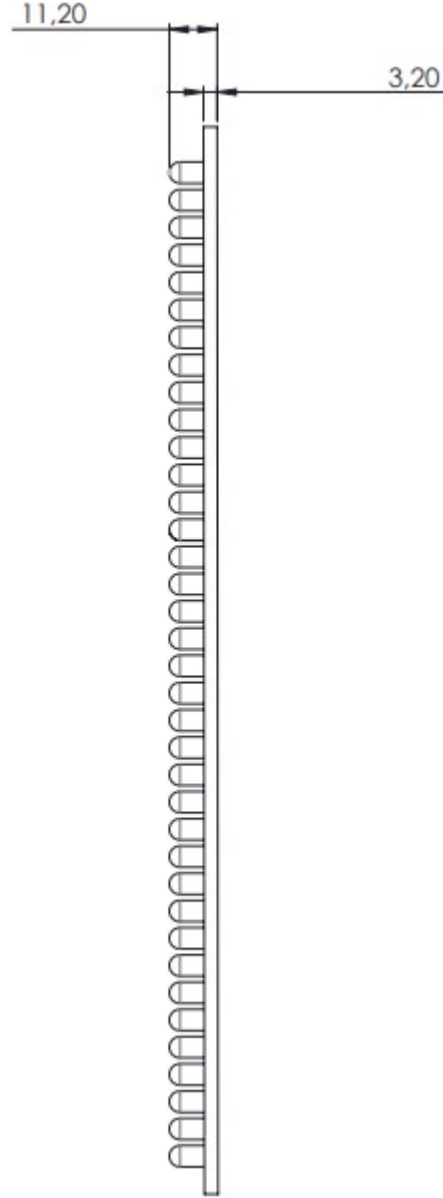


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**Figure 4.1.** Back Light L3864 Dimensions\*



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## 5.DOCUMENTS

<https://www.ludre.com.tr/back-light-13864/33>

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.