



LUDRE TEST MEASUREMENT AND QUALITY CONTROL SOFTWARE

LUDRE YAZILIM

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

UPDATE: AUGUST 2022

Dark Field DF22

1.FEATURES

- Lighting Color: 6000K, Green
Lighting Angle: 30°
Intensity Of Illumination: 0,225 lm
Led Number: 90
Input Voltage: 24 V
Input Current (15 μ s): 2 Amp
Input Current (1 second): 1,4 Amp
Input Current (1 minute): 0,7 Amp
Input Current (continuous): 0,32 Amp
Dimensions: Rmin = 22 cm, Rmax = 29 cm, h = 3,8 cm
At Constant Voltage Operation: None
Diffusor Option: None

2.DESRIPTIONS

- Dark Field 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. Dark Field DF22

Product Name	Dimensions
Dark Field DF22	Rmin: 220 mm
	Height: 38 mm
	Rmax: 290 mm



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4.DIMENSIONS

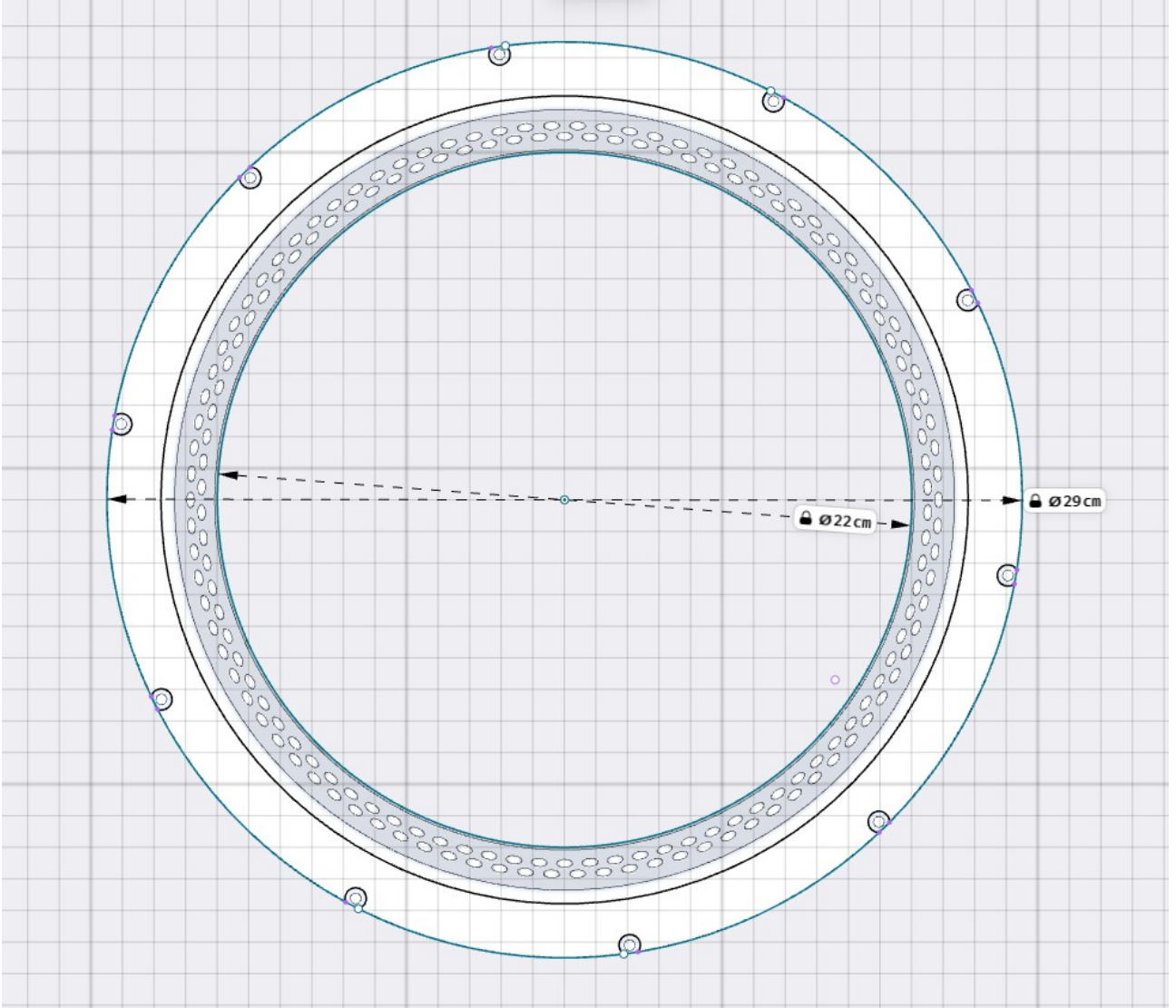


Figure 4. Dark Field DF22 Rmin&Rmax Dimensions



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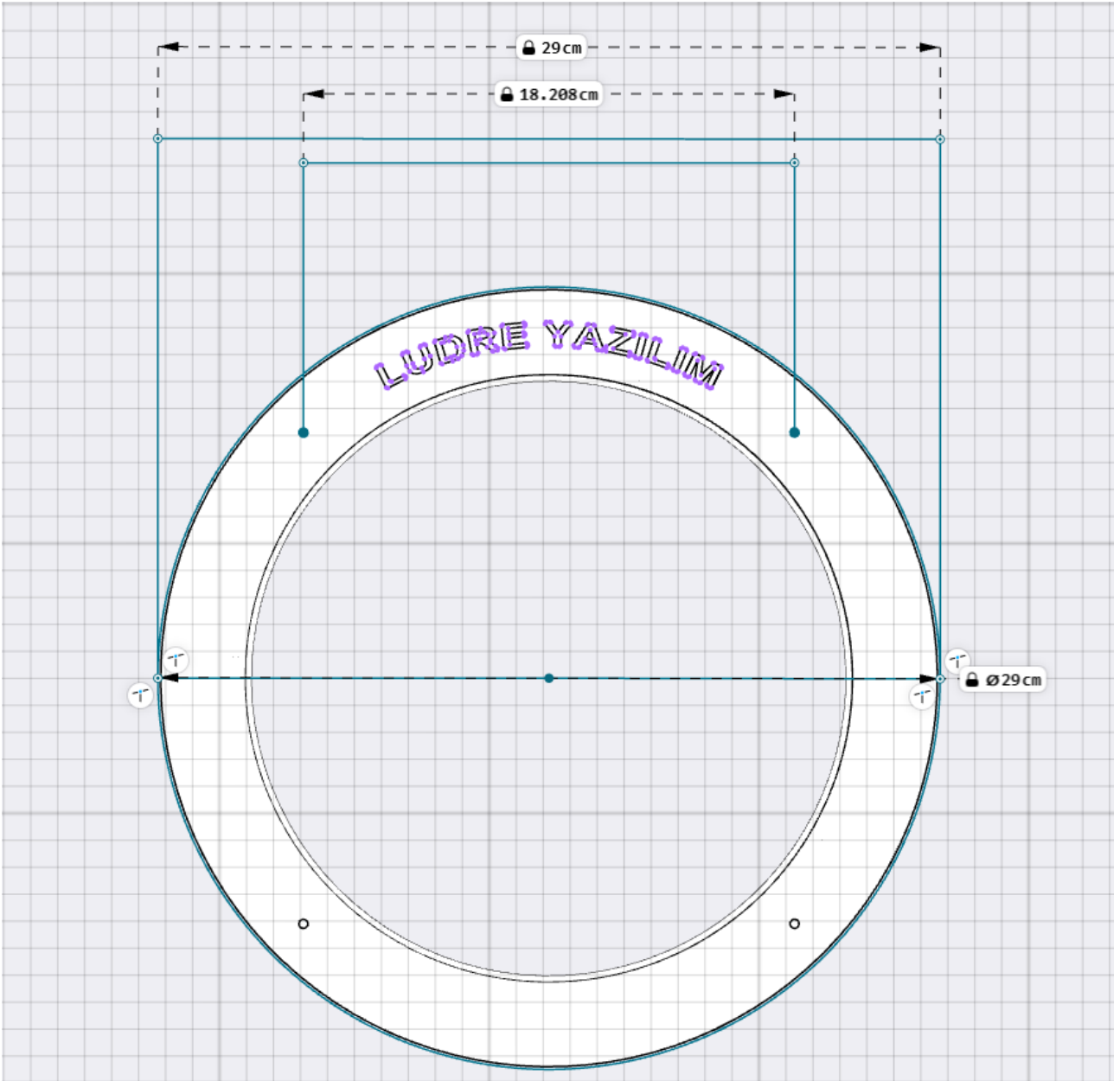


Figure 4.1. Dark Field DF22 Mounting Hole Size



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5.DOCUMENTS

<https://www.ludre.com.tr/dark-field-df22/42>

Dark field lights are used to increase contrast in case of surface defects, while the coupling of light is performed transversely to the camera's line of sight.