

IMPROVING SAFETY & QUALITY CONTROL

ABOUT LUXBRIGHT

Our **Mission** is to **protect** and **improve lives** by producing the world's most advanced X-ray tubes. We want to help take X-ray imaging equipment to **new levels**. We are achieving this ambition with **cutting edge technology**, **ambitious research** and **continuous development**. Luxbright's **innovative products** are based on over 20 years of research within physics and material sciences.

Our **Goal** is to give manufacturers of X-ray equipment an **array of features** that will help them **outperform** their competition: brighter microfocus, reduced radiation, higher stability, and faster and clearer imaging.

BENEFITS OF M25-50B

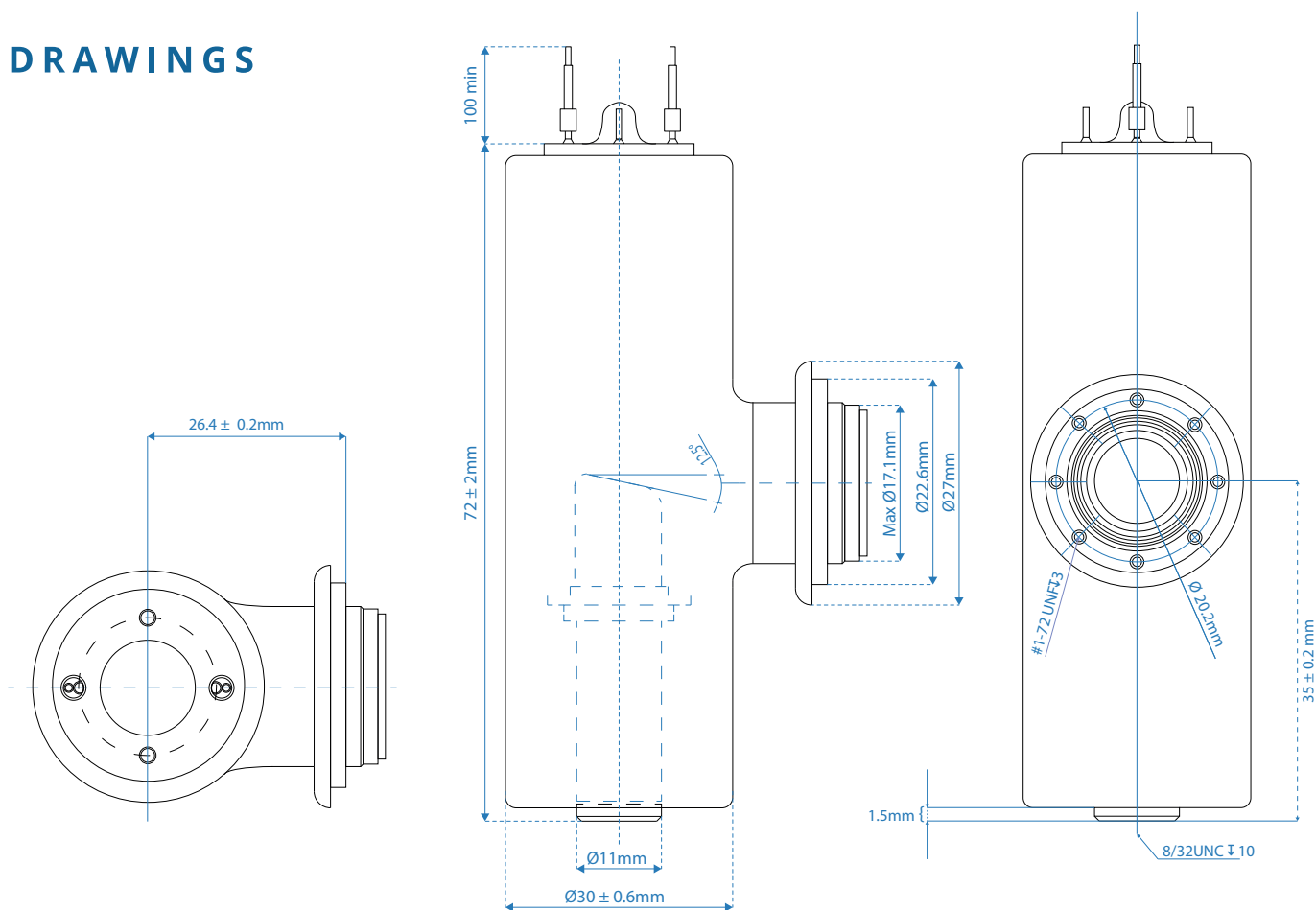
- ✓ **Better Performance Cooling**
Our cutting edge approach to anode cooling increases power load without compromising quality.
- ✓ **Brighter Microfocus**
The Eleenna™ microfocus blade delivers drift free focal spot precision as low as 25µm.
- ✓ **Higher Power Density**
Operate with higher power and a smaller focal spot to increase image resolution and acquire images faster.

APPLICATIONS

- ✓ **Security**
- ✓ **Fill Control & Inspection**
- ✓ **Food Inspection**



DRAWINGS



SPECIFICATIONS

Operating voltage range	20-50 kV
Maximum power	100 W Continuous (Nominal anode input power, 0.1s DC)
Maximum beam current	2 mA (final testing pending)
Focal spot size	25 μ m (nominal)
Maximum filament current	2 A
Filament voltage	2.0 V (nominal)
Window material and thickness	0.125 mm Be, 1.5mm glass
Target material	W, Mo
Target angle	12.5 °
Cooling method	Oil immersed (70°C) and convection oil cooling
Operating temperature	From 10°C to 70°C
Storage conditions	Temperature: -40° to 70° C Relative humidity: 10% to 90% non-condensing Barometric pressure: 70kPa to 106kPa

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