



LUXBRIGHT®

CREATING X-RAY BRILLIANCE™

BENEFITS

- ✓ Brilliant microfocus and image quality
- ✓ The most stable X-ray beam available
- ✓ 4x greater than average power load
- ✓ Revolutionary heat management within tube

APPLICATIONS

- ✓ Science and industry
- ✓ Security scanning
- ✓ Medical imaging

Products are for engineering purposes only. Volume orders available in 2018.

PROPERTY	SPECIFICATION	COMMENT
Type	ELEENNA M25-160	PRE PRODUCTION
Nominal anode input power (0.1s DC)	300 W	
Exposure duty cycle	Continuous	
Max. tube current	7.5 mA	(final testing pending)
Target angle	12°	6° – 25° upon request
Target material	W (tungsten)	Other materials available upon request
Nominal focal spot value	25 µm	Other focal spot sizes available upon request
Nominal X-ray tube voltage	80 – 160kV	
Max. filament current	3.7 A	
Filament voltage	3.0 – 3.6 V	
Inherent filtration	0.8mm Be, 1.5mm glass	
Cooling method	Oil immersed (70°C) and convection oil cooling	

LIMITS	OPERATION LIMITS	TRANSPORT AND STORAGE LIMITS
Ambient temperature		
Relative humidity	10 – 60°C	From –40°C to 70°C
Barometric pressure	70 – 106 kPa	From 10% to 90%
		From 50kPa to 106kPa

Luxbright X-Ray solutions: The only true 25 μm microfocus tube with a high brilliance beam THE ELEENNA™ M25-160 Microfocus Stationary X-Ray Tube Luxbright® tubes are an ideal solution for advanced applications with a drift free microfocus beam stability, and high brilliance (power density). Our Eleenna™ M series tubes use a revolutionary microfocus approach to supply a unique system of microfocus and heat management. It allows for a highly stable unwavering 25 μm focal spot size or even lower in custom applications.



TUBE SIZE

LENGTH: 179 MM

DIAMETER: 60 MM

OUTLINE DRAWING

(PRE-PRODUCTION)

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COLDNANOX

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