



LUXBRIGHT®

CREATING X-RAY BRILLIANCE™

BENEFITS

- ✓ Brilliant microfocus and image quality
- ✓ Reduced subject radiation dose through pulse
- ✓ The most stable X-ray beam available
- ✓ Revolutionary heat management within tube

APPLICATIONS

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

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

PROPERTY	SPECIFICATION	STANDARD
Type	ELEENNA FM25-70	PRE PRODUCTION
Nominal anode input power (0.1s DC)	14 W continuous or pulsed	
Exposure duty cycle	Continuous or pulsed	
Max. tube current	0.2mA	(final testing pending)
Target angle	6°-25	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	20 - 70kV	
Max. filament current	3A	
Pulse frequency	0.5 to 20 kHz (fixed)	
Inherent filtration	1.55 mm glass/Be window (0.127 mm)	
Cooling method	Oil (80°C)	

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

Luxbright X-Ray solutions: The only true 25 μm microfocus tube with a high brilliance beam THE ELEENNA™ FM25-70 Cold Cathode Pulsing Microfocus X-Ray Tube Luxbright™ tubes are an ideal solution for advanced applications with a drift free microfocus beam stability, high brilliance (power density) and pulsing capability. Our Eleenna™ FM series tubes use a revolutionary cold cathode technology, which enables a natural ability to pulse, and is based upon a stable ZnO cathode combined with a unique system of microfocus and heat management.



TUBE SIZE:
LENGTH: 67 MM
DIAMETER: 30 MM
OUTLINE DRAWING
(PRE-PRODUCTION):

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COLDNANOX

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