

ZEISS ASTERION[®] – Technical Data

	ASTERION	ASTERION Premium
Projection Dome		
Dome diameter / dome tilt:	8 m – 14 m (26 ft – 46 ft), 0° – 30°	14 m – 18 m (46 ft – 60 ft), 0° – 30°
Dome reflectivity:	30% – 60%	45% – 65%
Horizon height:	1600 mm – 2055 mm (standard) min. 400 mm (after consultation)	2055 mm – 2200 mm (standard) min. 400 mm (after consultation, without lift)
Auditorium		
Temperature and changes:	+15°C to +30°C; max. 5°C/h	+15°C to +30°C; max. 5°C/h
Relative humidity:	max. 70%	max. 70%
Projection instrument		
Height, max.:	2232 mm	2377 mm
Footprint:	approx. 655 mm (26 in) dia	approx. 700 mm (28 in) dia
Weight:	approx. 120 kg (265 lbs)	approx. 150 kg (330 lbs)
Starball diameter:	320 mm (12.6 in)	320 mm (12.6 in)
Starball rotations:	up to 60° / s	up to 60° / s
Effect lighting:	RGB light ring	RGB effect lighting
Power supply		
Operating voltage:	100 – 240V AC, 50/60 Hz	100 – 240V AC, 50/60 Hz
Power consumption:	350 VA (max.) 300 VA (typ.)	600 VA (max.) 350 VA (typ.)
Projections		
Starry sky:	approx. 7 000 stars (down to 6 ^m)	approx. 9 000 stars (down to 5 ^m)
Colored stars:	natural tints for all stars down to 1 ^m	natural tints for all stars down to 2 ^m
Scintillation (all stars):	option	standard
Milky Way:	Optical projection (Gaia data)	Optical projection (Gaia data)
Deep-sky objects:	77	200+
Sun and Moon:	option	standard: approx. 1° diameter, Moon incl. surface details and phase changes
Planets:	option	Mercury, Venus, Mars, Jupiter, Saturn (point-like)
Starball lift (lowering out of dome center)		
Starball lift:	no	integrated in the stand
Light sources		
Starry sky/Milky Way:	Power LED, color temperature: 6 500 K, service life: approx. 36 000 h	
Sun/Moon/Planets:	Power LED, color temperature: 6 500 K, service life: approx. 36 000 h	