IBEX SLIT LAMPS

Technical Specifications Master Comparison
Four Models: 2-Step & 5-Step · Tower & Compact Configurations

Specification	2-Step Tower	5-Step Tower	2-Step Compact	5-Step Compact
CONFIGURATION				
Configuration	Tower	Tower	Compact	Compact
OPTICAL SYSTEM				
Optical Type	Converging-Binocular	Parallel-Binocular	Converging-Binocular	Parallel-Binocular
Mag. Changer	2-Position Rotating Drum	5-Position Rotating Drum	2-Position Rotating Drum	5-Position Rotating Drum
Magnifications	10×, 15×, 16×, 24×	6×, 10×, 16×, 25×, 40×	10×, 15×, 16×, 24×	6×, 10×, 16×, 25×, 40×
Ocular Magnification	12.5×	12.5×	12.5×	12.5×
Ocular Diameter	14 mm Wide-Field	14 mm Wide-Field	14 mm Wide-Field	14 mm Wide-Field
Diopter Adjustment	± 8 D	± 8 D	± 8 D	± 8 D
Eye Relief Cups	20 mm Telescoping	20 mm Telescoping	20 mm Telescoping	20 mm Telescoping
Convergence Angle	21° Stereo	6° Stereo	21° Stereo	6° Stereo
ILLUMINATION				
LED	Single Element	Single Element	Single Element	Single Element
Illumination Color	White	White	White	White
Color Temperature	4300 K	4300 K	4300 K	4300 K
Min. Intensity	24,164 lux	24,164 lux	24,164 lux	24,164 lux
Max. Intensity	> 1,000,000 lux	> 1,000,000 lux	> 1,000,000 lux	> 1,000,000 lux
LED Life	> 10,000 hours	> 10,000 hours	> 10,000 hours	> 10,000 hours
STANDARD FEATURES				
Slit Width	14 mm Continuous	14 mm Continuous	14 mm Continuous	14 mm Continuous
Slit Length	14 mm Continuous	14 mm Continuous	14 mm Continuous	14 mm Continuous
Slit Apertures	0.2, 1, 3, 4, 6, 10, 14 mm	0.2, 1, 3, 4, 6, 10, 14 mm	0.2, 1, 3, 4, 6, 10, 14 mm	0.2, 1, 3, 4, 6, 10, 14 mm
Slit Angles	0° – 180°	0° – 180°	0° – 180°	0° – 180°
Filters	Cobalt Blue, Green (Red-Free), Heat-Absorbing, Diffusing	Cobalt Blue, Green (Red-Free), Heat-Absorbing, Diffusing	Cobalt Blue, Green (Red-Free), Heat-Absorbing, Diffusing	Cobalt Blue, Green (Red-Free), Heat-Absorbing, Diffusing

KEY DIFFERENCES SUMMARY

- Optical System: 2-Step models use Converging-Binocular (21° stereo angle); 5-Step models use Parallel-Binocular (6° stereo angle).
- Magnification: 2-Step offers 10× / 15× / 16× / 24× via 2-position drum; 5-Step offers 6× / 10× / 16× / 25× / 40× via 5-position drum.
- Configuration: Tower vs Compact form factor (all other optical and illumination specs identical within each step count).
- Shared Specs: All four models share identical illumination (single-element white LED, 4300 K, >1M lux max), slit geometry, apertures, angles, and filter set.