

# 8 SPECIFICATIONS

Item	Specifications		
	CK30		CK40
1. Optical system	LB optical system (finite-corrected system)		
2. Illumination	6 V 30 W HAL high-intensity halogen bulb Philips 5761 (Average service life: Approx. 100 hrs. when used as directed) Output rating: 6 V ~ 30 VA Input rating: 100V area — 100/110-120 V ~ 0.6 A, 50/60 Hz 200V area — 220/230-240 V ~ 0.3 A, 50/60 Hz		
3. Focusing	Vertical movement of revolving nosepiece (stage is fixed) Coarse/fine adjustment knobs (provided with tension adjustment mechanism) Stroke (from focal point on stage surface): 7 mm upward and 2 mm downward		
4. Revolving nosepiece	Quadruple		
5. Observation tube	Binocular tube CH3-BI45	Equivalent of CH3-BI45 incorporated in microscope body	Tube inclination: 45° Interpupillary distance adjustment: 48 – 75 mm
	Trinocular tube CH3-TR45		Tube inclination: 45° Interpupillary distance adjustment: 53 – 72 mm
	Tilting binocular tube CK40-TBI		Tube inclination: 30° – 60° Interpupillary distance adjustment: 50 – 76 mm NCWHK10X objective can only be used
6. Eyepiece	NCWHK10X WHK10X WHK15X	Field of view no. 18 Field of view no. 20 Field of view no. 12	
7. Objectives	For brightfield	EDAch4X EDAch10X LWDCDAch20X	N. A. 0.10 W.D. 29.0 mm N. A. 0.25 W.D. 6.3 mm N. A. 0.40 W.D. 5.4 mm
	For phase contrast	SPlan4XPL-6 DAch10XPL-6 LWDCDAch20XPL-6 LWDCDPlan40XPL-6 LWDCDPlan40XFPL-6	N. A. 0.13 W.D. 15.5 mm N. A. 0.25 W.D. 7.18 mm N. A. 0.40 W.D. 5.4 mm N. A. 0.55 W.D. 2.04 mm with correction collar N. A. 0.55 W.D. 2.04 mm
	For relief phase contrast	SPlan4XRP DAch10XRP LWDCDAch20XRP LWDCDPlan40XRP	N. A. 0.13 W.D. 15.5 mm N. A. 0.25 W.D. 7.18 mm N. A. 0.40 W.D. 5.4 mm N. A. 0.55 W.D. 2.04 mm

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8. Stage	Stage dimensions: 160 (W) X 250 (D) mm Stage extension plate dimensions: 70 (W) X 180 (D) mm Provided with ø35 mm petri dish holder (CK30 only)	
9. Mechanical stage	Traversing area: 120 (X) X 78 (Y) mm; coaxial low drive control knobs on right or left side of plain stage; provided with 3 culture vessel holder	
10. Condenser	Ultra-long-working distance condenser NA 0.3, W.D. 72 mm; detachable	
11. Dimensions and weight	236 (W) X 469 (D) X 476 (H) mm 8 kg (17.6 lb)	236 (W) X 371 (D) X 476 (H) mm 8.6 kg (18.9 lb)
12. Operating environment	<ul style="list-style-type: none"> <li>• Indoor use</li> <li>• Altitude : Max. 2,000 m</li> <li>• Ambient temperature: 5°C to 40°C (41°F to 104°F)</li> <li>• Maximum relative humidity: 80% for temperatures up to 31°C (88°F) decreasing linearly through 70% at 34°C (93°F), 60% at 37°C (99°F), to 50% relative humidity at 40°C (104°F)</li> <li>• Main supply voltage fluctuations not to exceed ±10% of nominal voltage</li> <li>• Pollution Degree: 2 (in accordance with IEC664)</li> <li>• Installation/Overtoltage Category: II (in accordance with IEC664)</li> </ul>	