

# Cooke 5/i Prime Lenses



## Cooke 5/i Prime Lenses, T 1.4 18, 25, 32, 40, 50, 65, 75, 100

See in the dark -- with T1.4 speed and a focus ring that illuminates when you need it. External lamps are no longer necessary for the focus puller to see in the dark because this new design incorporates a simple on/off and dimmer to adjust the level of illumination desired on the aperture ring. You now have the visibility you need without affecting the light coming into the camera.

Cooke 5/i optics offer superb optical and mechanical performance, control of flare, distortion, veiling glare and spherical aberrations at full aperture. The cam-type focus mechanism allows for smooth focus adjustments. Modular construction increases ease of maintenance and serviceability.

Cooke 5/i Prime Lenses were designed and developed in close technical collaboration with industry professionals. They are colour-matched and compatible with Cooke S4/i, Panchro by Cooke, CXX 15-40 mm T2 S4/i Zoom, 18-100mm T3.0 and 25-250mm T3.7 and the SK4 16mm lenses.

### /i Technology

All of our 5/i Prime lenses are supplied with /i Technology, and are designed for all PL mounted professional motion picture film and electronic cameras. /i Technology provides cinematographers and camera operators with vital information on lens setting, focusing distance, aperture and depth-of-field, hyperfocal distance, serial number, owner data, lens type and focal length in both metric and footage measurements. For zoom lenses, the zoom position is displayed.

### Features

**Optical Design** The optics are designed to give maximum performance at full aperture with superior control of flare, distortion and spherical aberration.

**/i Electronics** Accessible via cable connector near the lens mount and contacts in mount that sync with /i compatible cameras and accessories.

**Colour Balance** All Cooke 5/i prime lenses are colour balanced to a specification within parameters approved by Kodak and are colour-matched and compatible with Cooke S4/i, Panchro by Cooke, CXX 15-40 mm T2 S4/i Zoom, 18-100mm T3.0 and 25-250mm T3.7 and the SK4 16mm lenses.

**T1.4 Aperture** All Cooke 5/i primes have a true T1.4 aperture and cover Super 35mm format.

**Index Marks** Every index mark is labeled. More detailed markings allow for more detailed focus control.

**Focus Movement** Our Academy Award® winning cam-style focus movement coupled with the added benefit of a large lens barrel diameter, has allowed for an increased number of focus markings, particularly at close focus. Spherical aberration has been controlled throughout the range of focal lengths to eliminate compensation of changes in back focus with aperture. A four-point contact bearing provides a smooth positive backlash-free movement.

**Focus Illumination\*** This revolutionary, dimmable, illuminated focus ring has two separately toggled light pipes that allow the camera operator or focus puller to read the focus scale in low lighting conditions. Illumination options are controlled on the lens or via an external controller.

**Camera Mounts** PL Mount

**Focus Scaling** Large, clear numerals on both sides of the focus barrel benefit the focus puller when shooting under difficult lighting conditions. Plus the the Entrance Pupil position is engraved on the lens

**Compatibility** All Cooke 5/i primes have a common fixed front diameter of 110mm, with a focus drive gear of 140T x 0.8 mod and an iris drive gear of 134T x 0.8

**External Finish** A scratch resistant PTFE hard anodised finish is provided on all Cooke lenses, providing a durable, hard-wearing surface to meet the most demanding environmental conditions.

**Iris** A seven-leaf linear module iris assembly is fitted into the Cooke 5/i primes with an aperture range of T1.4 to T22.

**Weight/Size Ratio** The lenses are designed for all shooting applications, including handheld and Steadicam, providing comfortable balance ratio with the latest compact cameras.

**Reliability and Service** Cooke 5/i prime lenses are designed to meet a market requirement for fully reliable performance with a minimum of downtime.

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