

CANDIDO 800 RESERVE

TECHNICAL DATA SHEET · C-41 PROCESSING

Engineered for low light. The strongest performer in the range.

Candido 800 Reserve is a tungsten-balanced, high-speed colour negative film and the strongest low-illumination option in the Candido range. In C-41, colour is more immediate and contrast firmer than in ECN-2, with some increase in shadow noise; the film remains flexible and capable in lower illumination, but does not eliminate the need for sufficient shadow exposure.

FILM CHARACTERISTICS

Characteristic	Description
Contrast	Moderate to strong; more immediately defined than ECN-2, with the final level influenced by exposure and scanning.
Grain	The most visible grain in the range, but controlled for its speed.
Latitude	At least 11 stops under the manufacturer's published sensitometric reference.
Colour saturation	More immediately established than ECN-2; generally moderate to strong, depending on exposure and scan rendering.
Performance	The strongest low-illumination option in the Candido range, especially when pushed correctly.
Skin tones	Under tungsten-balanced illumination, C-41 can give warm, well-separated skin colour; under daylight without filtration, strong blue-cyan correction is required and results depend heavily on scanning.

TECHNICAL SPECIFICATIONS

Specification	Entry
Film type	Colour negative
Candido product	Candido 800 Reserve
Source emulsion	VISION3 500T 5219
Candido recommended EI	EI 800
Source-emulsion reference EI	EI 500 under 3200 K tungsten
Colour balance	Tungsten, approximately 3200 K
Daylight use with correction	EI 320 with an 85 correction filter
Processing options	C-41

Format	35 mm / 135
Exposures	36
DX code	800
Base	Acetate safety base
Storage	13 °C or below; approximately –18 °C for storage beyond six months

Reciprocity: Use EI 500. From 1/1000 second to 1 second, no exposure adjustment or filter correction is required. At around 10 seconds, add 1 stop of exposure and use a CC10R red colour-compensating filter.

RECOMMENDED EXPOSURE

Candido look: EI 800 with standard C-41 processing

Source-emulsion reference: EI 500

Meter setting	Exposure relationship	Processing guidance
EI 500	Source-emulsion reference	Standard C-41 processing
EI 800	Candido look; about $\frac{2}{3}$ stop less exposure than the EI 500 reference	Standard C-41 processing
EI 1000	Push +1 from the EI 500 reference	C-41 push +1
EI 2000	Push +2 from the EI 500 reference	C-41 push +2
EI 4000	Push +3 from the EI 500 reference	C-41 push +3; controlled testing required

EXPOSURE ADVICE

EI 800 is the Candido look and should receive standard C-41 processing. EI 500 remains the source emulsion's reference for fuller shadow density.

For push processing, use the source-emulsion sequence EI 1000, EI 2000 and EI 4000, corresponding to +1, +2 and +3 stops from the EI 500 reference.

C-41 RENDERING

C-41 gives Candido 800 Reserve a stronger and more immediately defined rendering than ECN-2, with firmer contrast and colour separation. Its low-light capability is the strongest in the range, but sufficient shadow exposure remains essential.

PUSH-PROCESSING NOTE

Candido 800 Reserve is built from the VISION3 500T emulsion. Its Candido look at EI 800 sits about two-thirds of a stop above the source emulsion's EI 500 reference, so the first true one-stop push point is EI 1000, not EI 1600. The practical push sequence is therefore EI 1000, EI 2000 and EI 4000 for +1, +2 and +3 stops from the source-emulsion EI.

EI 1000 is only about one-third of a stop faster than the Candido look, so the visual difference between EI 800 with standard processing and EI 1000 with a +1 push may be modest, and will depend strongly on chemistry, exposure accuracy and scanning.

Viewed together, Candido 400 Classic and Candido 800 Reserve remain only one stop apart throughout their working and push ranges: EI 400 versus EI 800, then EI 500 versus EI 1000, EI 1000 versus EI 2000, and EI 2000 versus EI 4000.