

# BEATTIE<sup>®</sup>

## INTENSCREEN

### By Reflexite

#### INSTALLATION GUIDE FOR 35 MM FORMAT CAMERAS

Thank you for purchasing a Beattie Intenscreen<sup>®</sup> brightness enhancing focusing screen. This screen is a complete replacement screen and it is not intended to work in conjunction with your camera's original autofocus screen. Please make sure to read all instructions before installing and using your Beattie Intenscreen<sup>®</sup>.

**HANDLING** - Like all focusing screens, Beattie Intenscreen focusing screens are extremely delicate. Please make sure hands are clean and dry and handle Intenscreen by the edges only.

**INSTALLATION** - Intenscreen has two distinct surfaces: a diffuse surface and a Fresnel lens surface. The Fresnel surface is comprised of a series of concentric grooved circles and has a shiny, reflective surface. The diffuse surface has a frosted, matte finish and is dull in appearance.

#### CONTAX RTS II, RTS III ... LEICA R SERIES ... OLYMPUS OM SERIES ... NIKON FE, FE2, FA, 8008, F100, N90 ... PENTAX LX, PZ-1

1. Remove camera lens
2. Press focusing screen latch, releasing focusing screen frame
3. Remove existing screen using tweezers on the screen's tab.
4. Using tweezers again, carefully insert the Intenscreen.
5. Push frame holder up until it is secured in the locked position.

#### NIKON F, F2, F3, F4, F5

1. Remove prism finder.
2. Use a small screwdriver or fingernail to lift out original screen.
3. Insert Intenscreen, with matte side down.
4. Replace prism finder.

#### CANON EOS-1, 1N, 3

1. Remove camera lens.
2. Insert the supplied replacement tool with the blue latch release lever up.
3. Carefully lift up on the focusing screen release tab with the tool to lower the focusing screen frame holder.
4. Use the tool to gently clamp onto the focusing screen and remove.
5. Clamp the tool onto the Intenscreen with the blue lever up (NOTE: When the tool is clamped onto the screen, it will be slightly left of the center of the screen).
6. Carefully place Intenscreen into the focusing screen frame holder.
7. Release the screen and use the tool to push the focusing screen up into the locked position.

#### CANON A2 / A2E

1. Gently press the supplied tool into the two focusing screen release holes near the top of the lens mount. This will release the focusing screen frame holder.
2. Clamp the tool onto the focusing screen's tab and carefully remove the focusing screen. Place the focusing screen in a safe place.
3. Clamp the tool onto the tab on the Intenscreen.
4. Gently place the focusing screen into the camera's focusing screen frame holder with the tab on the right side, facing you.
5. Release the Intenscreen by pushing the release lever on the tool.
6. Use the tool to gently push the focusing frame holder up into the locked position.

**FOCUS CHECK** - It is a good idea to shoot a test roll of film whenever changing a camera's focusing screen. This will give you a chance to familiarize yourself with the focusing characteristics of the new screen and ensure the screen is installed properly and providing proper focus.

**METERING COMPENSATION** - With some cameras, it may be necessary to adjust the camera's meter to compensate for the increase in brightness produced by Intenscreen. This is true with cameras that meter off of the focusing screen rather than the film plane (refer to camera manual). To adjust your meter:

1. Using your existing screen, set the camera lens to infinity and meter off of a gray card or evenly illuminated surface. Record the exposure.
2. Install Intenscreen and take an exposure reading from the same distance, on the same surface, under the same lighting conditions.
3. Adjust the ASA/ISO index until the exposure is identical to that of the original screen. For most 35mm cameras, the brightness increase will be about 1 f/stop.

**CLEANING INTENSCREEN** - Intenscreen focusing screens are extremely delicate, avoid finger smudges and similar stains, and blow canned air or use a soft lens brush to clean off simple dust and debris. If more intense cleaning is necessary, use a mild dishwashing liquid in a ratio of 1 drop to 1 cup of warm water. Dip an unscented tissue into the solution, squeeze out excess and gently wipe the screen. Use a second tissue with water only to rinse and blot dry with a dry tissue. **Never use glass or lens cleaners on Intenscreen.**

**NOTE:** Using with wide-angle lenses (24mm) may cause vignetting.

#### LIMITED WARRANTY

Reflexite<sup>®</sup> Display Optics, warrants that its products shall be free from defects in materials and workmanship under normal use and service for a period of one year from original date of purchase. Reflexite's obligation under this warranty is limited to repairing or replacing (at its choice) any Beattie Intenscreen<sup>®</sup> product deemed defective upon return from customer. This warranty DOES NOT cover scratches or other damage caused by improper installation, tampering, misuse, abuse or altering.

File this with your important papers. It must accompany any warranty claim.

Covered by one or more of the following US Patents: 4339188 (07/31/82) and 4558922 (12/17/85).

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Reflexite Corporation, Avon, CT, USA

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