

LCP50S - September 21, 2021

Item # LCP50S was discontinued on September 21, 2021. For informational purposes, this is a copy of the website content at that time and is valid only for the stated product.

CAGE SYSTEM IRIS DIAPHRAGMS

- ▶ 16 mm, 30 mm, or 60 mm Cage System Compatible Irises
- ▶ Continuously Variable Lever-Actuated Aperture
- ▶ Button Head Lever Allows Actuation while Iris is Installed



Application Idea
 CP20S Iris in a Cage System with
 KCB1C Right-Angle Kinematic Mount and
 CP02 Cage Plate Holding an SM1L10 Lens Tube

[Hide Overview](#)

OVERVIEW & NBSP ;

Features

- One-Piece Irises for 16 mm, 30 mm, or 60 mm Cage System
- Continuously Variable Iris Diaphragms
 - SP8D: Ø0.7 mm to Ø8.0 mm Aperture
 - CP20S: Ø0.8 mm to Ø20.0 mm Aperture
 - LCP50S: Ø2.0 mm to Ø50.0 mm Aperture
- Ultra-Thin Cage Plate Design
 - SP8D: 0.23" (5.7 mm) Thick
 - CP20S: 0.25" (6.3 mm) Thick
 - LCP50S: 0.33" (8.3 mm) Thick
- Black-Anodized Aluminum Housing Limits Reflection

| Iris Selection Guide |
|------------------------------------|
| Post-Mountable Irises |
| Unmounted Irises |
| SM-Threaded, Lever-Actuated Irises |
| SM-Threaded, Ring-Actuated Irises |
| Cage System Irises |

These lever-actuated, continuously variable, cage-system-compatible iris diaphragms are designed to provide smooth operation over many thousands of cycles. These irises are mounted in ultra-thin, cage-system-compatible plates. The SP8D engages three cage rods with locking screws that accept a 0.05" (1.3 mm) hex key while the CP20S and LCP50S use a flexure mechanism that tightens using a 5/64" (2.0 mm) hex. The steel leaves that comprise the iris are actuated by a button head lever that clears the fourth cage rod, as shown in the video to the right, allowing for operation within a cage system. The SP8D, CP20S, and LCP50S

irises have maximum apertures of Ø8.0 mm, Ø20.0 mm, and Ø50.0 mm, respectively, and are permanently installed in the cage plates.

In addition to the cage system irises sold on this page, our SM-threaded ring-actuated irises can also be utilized in a cage system with the use of an SM-threaded cage plate. However, the cage system irises featured on this page offer larger apertures and thinner profiles than the ring-actuated irises. For non-cage system use, we also offer post-mountable irises, SM-threaded lever-actuated irises, and unmounted irises with no mounting holes.

[Hide Part Numbers](#)

| Part Number | Description | Price | Availability |
|-------------|---|----------|--------------|
| SP8D | 16 mm Cage System Iris Diaphragm (Ø0.7 - Ø8.0 mm) | \$95.00 | Today |
| CP20S | Customer Inspired! 30 mm Cage System Iris Diaphragm (Ø0.8 - Ø20 mm) | \$93.87 | Today |
| LCP50S | Customer Inspired! 60 mm Cage System Iris Diaphragm (Ø2 - Ø50 mm) | \$205.60 | Lead Time |