

CP20S - October 18, 2021

Item # CP20S was discontinued on October 18, 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
 CP33 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
 - LCP50D: 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
 - LCP50D: 0.40" (10.1 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 and LCP50D engage three cage rods with locking screws that accept a 0.05" (1.3 mm) or 5/64" (2.0 mm) hex key respectively while the CP20S uses 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 LCP50D 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 thinner profiles and larger maximum apertures than the equivalent 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 Cage System Iris Diaphragms](#)

Cage System Iris Diaphragms

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	Lead Time
LCP50D	NEW! 60 mm Cage System Iris Diaphragm (Ø2.0 - Ø50.0 mm)	\$205.60	Today