

## 28mm Max. Aperture, Iris Diaphragm



Stock #42-122 **20+ In Stock**

⊖ 1 ⊕ £81<sup>00</sup>

**ADD TO CART**

### Volume Pricing

|            |                               |
|------------|-------------------------------|
| Qty 1-4    | £81.60 each                   |
| Qty 5-9    | £72.40 each                   |
| Qty 10-25  | £67.04 each                   |
| Need More? | <a href="#">Request Quote</a> |

ⓘ Prices shown are exclusive of VAT/local taxes

### Product Downloads

### General

Unmounted **Type:**

### Physical & Mechanical Properties

28.0 **Maximum Aperture (mm):**

40.0 **Outer Diameter (mm):**

|   |                             |
|---|-----------------------------|
| <b>Construction:</b><br>Brass Housing, Blue Tempered Steel Leaves |                             |
| 3.00  | <b>Lever Diameter (mm):</b> |
| 12.60   | <b>Lever Length (mm):</b>   |
| 16.00   | <b>Number of Leaves:</b>    |
| 5.50  | <b>Thickness (mm):</b>      |

### Optical Properties

|     |                               |
|-----|-------------------------------|
| 1.5 | <b>Minimum Aperture (mm):</b> |
|-----|-------------------------------|

### Regulatory Compliance

|                                  |                                    |
|----------------------------------|------------------------------------|
| <a href="#">Exempt</a>           | <b>RoHS 2015:</b>                  |
| <a href="#">View</a>             | <b>Certificate of Conformance:</b> |
| <a href="#">Contains SVHC(s)</a> | <b>Reach 247:</b>                  |

## Product Details

- Used to Adjust f/#, Field Stop Diameter, and Overall Light Throughput
- Mounted Version Features a Tapped Hole for Post Mounting
- Abundant Types for Varying Applications

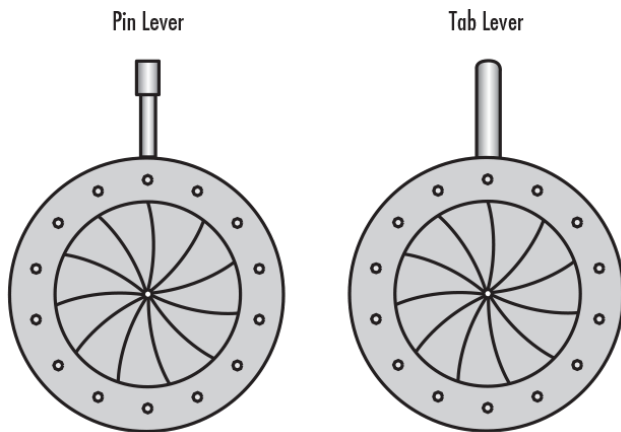
Standard Series Iris Diaphragms can provide control of system f/# (f/# = focal length/effective diameter), field stop diameter, and overall energy throughput when incorporated into standard optical systems. It should be noted that the location of the iris is critical to how it will affect the system. All of these diaphragms offer exceptionally smooth operation over the lever travel, from maximum to minimum aperture (approximately 90°). Mounted versions of these diaphragms feature a tapped hole for easy post mounting. Standard Series Iris Diaphragms have blued spring steel leave construction and black housing finish with lever actuators that are available in two styles: stainless steel "pin" or plastic "tab." These diaphragms are specifically designed for OEM integration and general laboratory use.

For specific OEM application assistance, please contact our [Applications Engineering Department](#).

**Note:** [Iris Diaphragm Mounts](#) sold separately.

## Technical Information

### Types of Levers



| Outside Diameter A | Maximum Aperture B | Minimum Aperture C | Thickness D | Stock No.               |
|--------------------|--------------------|--------------------|-------------|-------------------------|
| 10.0               | 5.0                | 0.60               | 4.50        | <a href="#">#54-352</a> |
| 14.8               | 8.00               | 0.80               | 4.50        | <a href="#">#32-623</a> |
| 15.5               | 8.50               | 1.00               | 5.30        | <a href="#">#42-124</a> |
| 19.8               | 12.0               | 0.80               | 5.0         | <a href="#">#30-263</a> |
| 22.0               | 14.0               | 1.0                | 6.0         | <a href="#">#42-123</a> |
| 24.0               | 15.0               | 1.2                | 5.0         | <a href="#">#32-622</a> |
| 28.0               | 18.0               | 1.2                | 5.0         | <a href="#">#32-621</a> |
| 30.0               | 20.0               | 1.2                | 5.5         | <a href="#">#35-111</a> |
| 31.0               | 18.0               | 1.5                | 6.5         | <a href="#">#36-623</a> |
| 33.0               | 22.0               | 1.4                | 5.5         | <a href="#">#32-620</a> |
| 37.0               | 25.0               | 0.8                | 5.5         | <a href="#">#35-110</a> |
| 40.0               | 28.0               | 1.5                | 5.5         | <a href="#">#42-122</a> |
| 42.0               | 42.6               | 1.2                | 5.8         | <a href="#">#40-997</a> |
| 42.0               | 30.0               | 1.5                | 6.0         | <a href="#">#64-500</a> |
| 48.0               | 48.0               | 1.2                | 6.8         | <a href="#">#40-998</a> |

|       |       |      |      |         |
|-------|-------|------|------|---------|
| 48.5  | 30.0  | 1.2  | 7.0  | #42-121 |
| 49.0  | 34.0  | 1.5  | 6.5  | #41-972 |
| 50.0  | 36.0  | 1.9  | 6.0  | #32-619 |
| 53.0  | 37.0  | 1.9  | 6.0  | #32-618 |
| 55.0  | 41.0  | 2.0  | 6.5  | #41-973 |
| 58.0  | 42.0  | 2.0  | 6.5  | #30-118 |
| 60.0  | 40.0  | 2.5  | 7.8  | #36-624 |
| 70.0  | 50.0  | 2.5  | 7.5  | #32-617 |
| 77.0  | 59.0  | 7.0  | 8.0  | #32-616 |
| 80.0  | 58.0  | 3.0  | 8.0  | #32-615 |
| 82.0  | 60.0  | 4.0  | 10.1 | #36-625 |
| 92.0  | 70.0  | 4.5  | 9.0  | #32-614 |
| 100.0 | 75.0  | 4.5  | 9.0  | #30-264 |
| 110.0 | 80.5  | 4.5  | 10.0 | #32-613 |
| 120.0 | 90.0  | 5.0  | 12.0 | #32-612 |
| 130.0 | 98.0  | 5.0  | 12.0 | #32-611 |
| 140.0 | 104.0 | 5.0  | 11.0 | #32-610 |
| 150.0 | 110.0 | 6.0  | 13.0 | #60-644 |
| 165.0 | 120.0 | 6.0  | 15.0 | #32-609 |
| 180.0 | 138.0 | 11.5 | 13.0 | #32-608 |
| 208.0 | 158.0 | 11.0 | 16.0 | #70-894 |
| 300.0 | 225.0 | 12.0 | 19.0 | #70-895 |

