



# asphericon

## CHL12-10-P-U-780



**Product no.:** 010903-00

**Price:**

from 340,00 EUR

19 % VAT plus. excl. Shipping costs

([https://www.asphericon.com/shop/popup\\_content.php?coID=1](https://www.asphericon.com/shop/popup_content.php?coID=1))

**Options:**

**Coating:** Uncoated , Coating A (400 nm - 600 nm) , Coating B (600 nm - 1050 nm) , Coating C (1000 nm - 1600 nm)

asphericon CHL12-10-P-U-780 lenses are high performance standard aspheric components in asphericon quality (RMS < 0.5  $\mu$ m). Cylinders based on CNC grinding and polishing manufacture fulfill the highest requirements in terms of quality and tolerances.

### Product Features

|           |             |
|-----------|-------------|
| Material  | S-LAH64     |
| Size [mm] | 12.5 x 12.5 |
| EFL [mm]  | 10.0        |
| NA        | 0.55        |

|                                     |  |
|-------------------------------------|--|
| f/d                                 | 0.8  |
| Working distance WD [mm]            | 7.2  |
| Design wavelength [nm]              | 780  |
| RMSi [nm]                           | 500  |
| Center thickness Tc [mm]            | 5.0  |
| Clear Aperture CA (col) [mm]        | 11.25 x 11.25                                  |
| Clear Aperture CA (foc) [mm]        | 11.25 x 9.4                                    |
| Surface Imperfections [Scratch/Dig] | 60 - 40  |
| Laser induced damage threshold      | 12 J/cm <sup>2</sup> , 100 Hz, 6 ns, 532<br>nm |
| RoHS compliance                     | yes  |