

TECHSPEC<sup>®</sup> 12mm Diameter NIR I Coated, Simple Lens Kit



Stock **#66-109** [CONTACT US](#)

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+

€471<sup>.00</sup>

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| Volume Pricing |                               |
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| Qty 1+         | €471,00 each                  |
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Product Downloads

| General                                                             |                   |
|---------------------------------------------------------------------|-------------------|
| 14.00                                                               | Number of Lenses: |
| PCX, DCX, PCV, DCV Lens Kit                                         | Type:             |
| See Technical Information tab for focal lengths of included lenses. |                   |
| PCX, DCX, PCV, DCV Lens Kit                                         | Contents of Kit:  |

| Physical & Mechanical Properties      |                             |
|---------------------------------------|-----------------------------|
| 12.00 +0.00/-0.10                     | Diameter (mm):              |
|                                       |                             |
| Protective as needed                  | Bevel:                      |
|                                       |                             |
| Optical Properties                    |                             |
| NIR I (600-1050nm)                    | Coating:                    |
|                                       |                             |
| R <sub>avg</sub> ≤0.5% @ 600 - 1050nm | Coating Specification:      |
|                                       |                             |
| 600 - 1050                            | Wavelength Range (nm):      |
|                                       |                             |
| Regulatory Compliance                 |                             |
| View                                  | Certificate of Conformance: |
|                                       |                             |

## Product Details

- Simple Lens Kits Include PCX, DCX, PCV, and DCV Lenses
  - Kits Available for 12mm and 25mm Diameter Lenses
  - Uncoated or BBAR Coating Options
  - Note: Potential change of packaging
- TECHSPEC® Plano-Convex (PCX) and Simple Lens Kits are an ideal complement to any engineering or R&D laboratory. Offered with a variety of coating options, each lens kit contains our highest quality optics with various effective focal lengths. Available uncoated or with broadband anti-reflection (BBAR) coating options. Simple lens kits feature a selection of plano-convex (PCX), double-convex (DCX), plano-concave (PCV), and double-concave (DCV) lenses. These kits are available with 12 or 25mm diameters.
- Note:** Due to supply chain issues, our kits may be delivered with an alternative packaging solution in place of a wooden box. For any questions, please contact [kits@edmundoptics.com](mailto:kits@edmundoptics.com).

## Technical Information

| Lens Specifications        |      | Coating Options    |                            |                  |                   |                 |
|----------------------------|------|--------------------|----------------------------|------------------|-------------------|-----------------|
| Effective Focal Length EFL | f/#  | Uncoated (#65-576) | MgF <sub>2</sub> (#54-672) | VIS 0° (#48-161) | VIS-NIR (#48-162) | NIR I (#65-577) |
| 12.00mm                    | 1.00 | #45-083            | #45-084                    | #47-329          | #45-480           | #48-732         |
| 15.00mm                    | 1.25 | #45-302            | #45-303                    | #47-330          | #45-481           | #48-733         |
| 18.00mm                    | 1.50 | #32-006            | #32-007                    | #47-331          | #45-482           | #48-734         |
| 24.00mm                    | 2.00 | #32-011            | #31-855                    | #47-332          | #45-483           | #48-735         |
| 30.00mm                    | 2.50 | #45-085            | #45-086                    | #47-333          | #45-484           | #48-736         |
| 36.00mm                    | 3.00 | #33-352            | #33-353                    | #33-354          | #33-355           | #33-356         |
| 42.00mm                    | 3.50 | #45-123            | #45-124                    | #47-335          | #45-485           | #48-738         |
| 48.00mm                    | 4.00 | #32-852            | #32-853                    | #47-336          | #45-486           | #48-739         |
| 54.00mm                    | 4.50 | #45-304            | #45-305                    | #47-337          | #45-487           | #48-740         |
| 60.00mm                    | 5.00 | #32-854            | #32-855                    | #47-338          | #45-488           | #48-741         |
| 72.00mm                    | 6.00 | #45-125            | #45-126                    | #47-339          | #45-705           | #48-742         |
| 84.00mm                    | 7.00 | #32-856            | #32-857                    | #47-340          | #45-489           | #48-743         |
| 100.00mm                   | 8.33 | #45-274            | #45-275                    | #47-341          | #45-490           | #48-744         |

| Lens Specifications        |      | Coating Options    |                            |                  |                   |                 |
|----------------------------|------|--------------------|----------------------------|------------------|-------------------|-----------------|
| Effective Focal Length EFL | f/#  | Uncoated (#65-578) | MgF <sub>2</sub> (#48-610) | VIS 0° (#48-611) | VIS-NIR (#48-612) | NIR I (#65-579) |
| 25.00mm                    | 1.00 | #45-097            | #45-098                    | #47-342          | #45-504           | #48-766         |
| 30.00mm                    | 1.20 | #45-364            | #45-363                    | #47-343          | #45-505           | #48-767         |
| 35.00mm                    | 1.40 | #45-145            | #45-146                    | #47-344          | #45-506           | #48-768         |
| 40.00mm                    | 1.60 | #45-278            | #45-279                    | #47-345          | #45-507           | #48-769         |
| 50.00mm                    | 2.00 | #32-477            | #32-478                    | #47-346          | #45-508           | #48-770         |
| 60.00mm                    | 2.40 | #45-127            | #45-128                    | #47-347          | #45-509           | #48-771         |
| 75.00mm                    | 3.00 | #32-479            | #32-480                    | #47-348          | #45-510           | #48-772         |
| 100.00mm                   | 4.00 | #32-481            | #32-482                    | #47-350          | #45-512           | #48-774         |
| 125.00mm                   | 5.00 | #32-861            | #32-862                    | #47-351          | #45-513           | #48-775         |
| 150.00mm                   | 6.00 | #32-863            | #32-864                    | #47-352          | #45-514           | #48-776         |
| 175.00mm                   | 7.00 | #32-865            | #32-866                    | #47-353          | #45-515           | #48-777         |
| 200.00mm                   | 8.00 | #33-358            | #33-359                    | #33-360          | #33-361           | #33-362         |

|          |       |         |         |         |         |         |
|----------|-------|---------|---------|---------|---------|---------|
| 400.00mm | 16.00 | #33-364 | #33-365 | #33-366 | #33-367 | #33-368 |
| 500.00mm | 20.00 | #45-280 | #45-281 | #47-356 | #47-387 | #48-780 |

| Lens Specifications        |      | Coating Options           |                           |                           |                           |                            |
|----------------------------|------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|
| Effective Focal Length EFL | f/#  | 405nm V-Coat<br>(#66-117) | 532nm V-Coat<br>(#66-118) | 633nm V-Coat<br>(#66-119) | 785nm V-Coat<br>(#66-120) | 1064nm V-Coat<br>(#66-121) |
| 25.00mm                    | 1.00 | #65-464                   | #65-484                   | #65-504                   | #65-524                   | #65-544                    |
| 50.00mm                    | 2.00 | #65-465                   | #65-485                   | #65-505                   | #65-525                   | #65-545                    |
| 75.00mm                    | 3.00 | #65-466                   | #65-486                   | #65-506                   | #65-526                   | #65-546                    |
| 100.00mm                   | 4.00 | #65-467                   | #65-487                   | #65-507                   | #65-527                   | #65-547                    |
| 125.00mm                   | 5.00 | #65-468                   | #65-488                   | #65-508                   | #65-528                   | #65-548                    |

| Lens Specifications        |       |           | Coating Options    |                            |                  |                   |                 |
|----------------------------|-------|-----------|--------------------|----------------------------|------------------|-------------------|-----------------|
| Effective Focal Length EFL | f/#   | Lens Type | Uncoated (#65-580) | MgF <sub>2</sub> (#55-249) | VIS 0° (#48-163) | VIS-NIR (#48-539) | NIR I (#66-109) |
| 12.00mm                    | 1.00  | PCX       | #45-083            | #45-084                    | #47-329          | #45-480           | #48-732         |
| 24.00mm                    | 2.00  | PCX       | #32-011            | #31-855                    | #47-332          | #45-483           | #48-735         |
| 36.00mm                    | 3.00  | PCX       | #33-352            | #33-353                    | #33-354          | #33-355           | #33-356         |
| 48.00mm                    | 4.00  | PCX       | #32-852            | #32-853                    | #47-336          | #45-486           | #48-739         |
| 60.00mm                    | 5.00  | PCX       | #32-854            | #32-855                    | #47-338          | #45-488           | #48-741         |
| 12.00mm                    | 1.00  | DCX       | #32-014            | #32-015                    | #47-358          | #45-872           | #49-474         |
| 24.00mm                    | 2.00  | DCX       | #33-388            | #33-389                    | #33-390          | #33-391           | #33-392         |
| 36.00mm                    | 3.00  | DCX       | #32-869            | #32-870                    | #47-362          | #45-876           | #49-478         |
| 48.00mm                    | 4.00  | DCX       | #45-159            | #45-160                    | #47-363          | #45-877           | #49-479         |
| 72.00mm                    | 6.00  | DCX       | #32-871            | #32-872                    | #47-364          | #45-878           | #49-480         |
| -12.00mm                   | -1.00 | PCV       | #45-014            | #45-015                    | #47-905          | #45-916           | #49-525         |
| -24.00mm                   | -2.00 | PCV       | #45-016            | #45-017                    | #47-906          | #45-917           | #49-528         |
| -48.00mm                   | -4.00 | PCV       | #45-018            | #45-019                    | #47-907          | #45-918           | #49-530         |
| -12.00mm                   | -1.00 | DCV       | #32-988            | #32-989                    | #47-915          | #45-928           | #49-546         |

| Lens Specifications        |       |           | Coating Options       |                               |                     |                      |                    |
|----------------------------|-------|-----------|-----------------------|-------------------------------|---------------------|----------------------|--------------------|
| Effective Focal Length EFL | f/#   | Lens Type | Uncoated<br>(#66-110) | MgF <sub>2</sub><br>(#52-305) | VIS 0°<br>(#48-613) | VIS-NIR<br>(#48-614) | NIR I<br>(#66-111) |
| 25.00mm                    | 1.00  | PCX       | #45-097               | #45-098                       | #47-342             | #45-504              | #48-766            |
| 50.00mm                    | 2.00  | PCX       | #32-477               | #32-478                       | #47-346             | #45-508              | #48-770            |
| 75.00mm                    | 3.00  | PCX       | #32-479               | #32-480                       | #47-348             | #45-510              | #48-772            |
| 100.00mm                   | 4.00  | PCX       | #32-481               | #32-482                       | #47-350             | #45-512              | #48-774            |
| 125.00mm                   | 5.00  | PCX       | #32-861               | #32-862                       | #47-351             | #45-513              | #48-775            |
| 150.00mm                   | 6.00  | PCX       | #32-863               | #32-864                       | #47-352             | #45-514              | #48-776            |
| 175.00mm                   | 7.00  | PCX       | #32-865               | #32-866                       | #47-353             | #45-515              | #48-777            |
| 200.00mm                   | 8.00  | PCX       | #33-358               | #33-359                       | #33-360             | #33-361              | #33-362            |
| 400.00mm                   | 16.00 | PCX       | #33-364               | #33-365                       | #33-366             | #33-367              | #33-368            |
| 25.00mm                    | 1.00  | DCX       | #32-489               | #32-490                       | #47-365             | #45-887              | #49-489            |
| 50.00mm                    | 2.00  | DCX       | #32-624               | #32-625                       | #47-368             | #45-890              | #49-492            |
| 75.00mm                    | 3.00  | DCX       | #32-626               | #32-627                       | #47-369             | #45-891              | #49-493            |
| 100.00mm                   | 4.00  | DCX       | #32-717               | #32-718                       | #47-370             | #45-892              | #49-494            |
| 125.00mm                   | 5.00  | DCX       | #32-873               | #32-874                       | #47-371             | #45-893              | #49-495            |
| 150.00mm                   | 6.00  | DCX       | #32-875               | #32-876                       | #47-372             | #45-894              | #49-496            |
| 175.00mm                   | 7.00  | DCX       | #32-877               | #32-878                       | #47-373             | #45-895              | #49-497            |
| 200.00mm                   | 8.00  | DCX       | #33-394               | #33-395                       | #33-396             | #33-397              | #33-398            |
| -25.00mm                   | -1.00 | PCV       | #45-030               | #45-031                       | #47-911             | #45-922              | #49-534            |
| -50.00mm                   | -2.00 | PCV       | #45-028               | #45-029                       | #47-912             | #45-923              | #49-536            |
| -100.00mm                  | -4.00 | PCV       | #45-026               | #45-027                       | #47-913             | #45-924              | #49-537            |
| -25.00mm                   | -1.00 | DCV       | #32-992               | #32-993                       | #47-917             | #45-930              | #49-550            |
| -50.00mm                   | -2.00 | DCV       | #32-996               | #32-997                       | #47-918             | #45-931              | #49-551            |
| -100.00mm                  | -4.00 | DCV       | #32-994               | #32-995                       | #47-919             | #45-932              | #49-552            |

| Lens Specifications        |      | Coating Options       |                    |                     |                     |                      |
|----------------------------|------|-----------------------|--------------------|---------------------|---------------------|----------------------|
| Effective Focal Length EFL | f/#  | Uncoated<br>(#66-112) | UV-AR<br>(#66-113) | UV-VIS<br>(#66-114) | VIS 0°<br>(#66-115) | VIS-NIR<br>(#66-116) |
| 38.00mm                    | 1.52 | #48-273               | #48-283            | #48-821             | #48-961             | #63-806              |
| 50.00mm                    | 2.00 | #48-274               | #48-284            | #48-822             | #48-962             | #63-807              |

|          |       |         |         |         |         |         |
|----------|-------|---------|---------|---------|---------|---------|
| 60.00mm  | 2.40  | #48-670 | #48-677 | #48-823 | #48-963 | #63-808 |
| 75.00mm  | 3.00  | #48-275 | #48-285 | #48-824 | #48-964 | #63-809 |
| 100.00mm | 4.00  | #48-276 | #48-286 | #48-825 | #48-965 | #63-810 |
| 125.00mm | 5.00  | #48-277 | #48-287 | #48-826 | #48-966 | #63-811 |
| 150.00mm | 6.00  | #48-278 | #48-288 | #48-827 | #48-967 | #63-812 |
| 175.00mm | 7.00  | #48-279 | #48-289 | #48-828 | #48-968 | #63-813 |
| 200.00mm | 8.00  | #48-280 | #48-290 | #48-829 | #48-969 | #63-814 |
| 250.00mm | 10.00 | #48-281 | #48-291 | #48-830 | #48-970 | #63-815 |
| 400.00mm | 16.00 | #48-282 | #48-292 | #48-831 | #48-971 | #63-816 |

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