# Lenses for NEC PA Projector Series

## Technical Specifications

| Model | NP44ML | NP11FL | NP30ZL | NP12ZL | NP13ZL | NP14ZL | NP15ZL | NP40ZL | NP41ZL | NP43ZL |
|---|---|---|---|---|---|---|---|---|---|---|
| Lens Type | UST Lens | Fixed Short Throw | Short Zoom | Short zoom | Std Middle Zoom | Long Zoom | Ultra Long Zoom | Motorised Short | Motorised Middle | Motorised Long |
| Motorised Lens | — | — | — | — | — | — | — | X | X | X |
| Projection ratio [WUXGA] | 0.32 | 0.8 | 0.79 - 1.04 | 1.16 - 1.56 | 1.46 - 2.95 | 2.9 - 4.68 | 4.59 - 7.02 | 0.79 - 1.11 | 1.30 - 3.02 | 2.99 - 5.93 |
| Aperture | 2 | 2.3 | 1.9-2.1 | 2.2 - 2.69 | 1.7 - 2.37 | 2.2 - 2.64 | 2.2 - 2.7 | 2.0 - 2.5 | 1.7 - 2.0 | 2.2 - 2.6 |
| Focal Range [mm] | 6.27 | 13.2 | 13.2 - 17.2 | 19.4 - 25.3 | 24.4 - 48.6 | 48.5 - 77.6 | 76.6 - 116.5 | 13.3 - 18.6 | 21.8 - 49.8 | 49.7 - 99.8 |
| Zoom Ratio | — | — | 1.3 | 1.3 | 2 | 1.6 | 1.52 | 1.4 | 2.3 | 2 |
| Screen size [inches] | 100 - 400 | 40 - 150 | X 52"- 500" W/U 50"- 500" | 30 - 500 | 40 - 500 | 60 - 500 | 60 - 500 | 50 - 500 | 50 - 500 | 50 - 500 |
| Projection distance [m] | 0.09 - 2.28 | 0.7 - 2.6 | 0.8 - 11.1 | 0.7 - 16.5 | 1.3 - 31.8 | 3.8 - 50.4 | 6.0 - 76.0 | 0.8 - 12.0 | 1.4 - 32.6 | 3.3 - 63.9 |
| Shift Area | 0V/0H | 0V/0H | +0.5V -0.1V / +/- 0.2H | C8 +0.5V -0.1V / 0.3H | +/- +0.5V -0.1V / 0.3H | +0.5V -0.1V / 0.3H | +/- +0.5V -0.1V / 0.3H | +/- +0.5V -0.1V / 0.2H | +/- +0.5V -0.1V / 0.2H | +/- +0.5V -0.1V / 0.2H  +/- |
| Weight [ kg] | 3.2 | approx 1.2 | 1.14 | approx 1.2 | 0.84 | approx 1.0 | approx 1.0 | approx 1.63 | approx 1.75 | approx 1.77 |
| PA653UG PA803UG | X (Require a separate Support Kit NP01LK) | X | X | X | X | X | — | X | X | X |
| PA703UL | X (Require a separate Support Kit NP01LK) | — | — | — | — | — | — | X | X | X |
| PA804UL PA1004UL | X (Require a separate Support Kit NP02LK) | — | X | X | X | X | X | X | X | X |

## Screen Size and Distance (m)

| Screen Size [inches] | NP44ML * | NP11FL | NP30ZL | NP12ZL | NP13ZL | NP14ZL | NP15ZL | NP40ZL | NP41ZL | NP43ZL |
|---|---|---|---|---|---|---|---|---|---|---|
| 80" | — | 1.4 | 1.4 - 1.7 | 2.0 - 2.6 | 2.5 - 5.1 | 5.0 - 8.0 | 7.9 - 12.0 | 1.4 - 1.9 | 2.2 - 5.2 | 5.1 - 10.3 |
| 100" | 0.09 | 1.7 | — | 2.5 - 3.3 | 3.2 - 6.3 | 6.3 - 10.1 | 9.9 - 15.1 | 1.7 - 2.4 | 2.8 - 6.6 | 6.5 - 12.7 |
| 120" | 0.24 | 2.1 | 2.1 - 2.6 | 3.0 - 3.9 | 3.8 - 7.6 | 7.5 - 12.1 | 11.9 - 18.1 | 2.1 - 2.9 | 3.4 - 7.9 | 7.8 - 15.3 |
| 150" | 0.46 | 2.6 | 2.5 - 3.3 | 3.8 - 4.9 | 4.8 - 9.5 | 9.4 - 15.2 | 14.9 - 22.8 | 2.6 - 3.6 | 4.2 - 9.8 | 9.7 - 19.1 |
| 200" | 0.82 | — | 3.4 - 4.4 | 5.1 - 6.6 | 6.4 - 12.7 | 12.6 - 20.3 | 20.0 - 30.4 | 3.4 - 4.7 | 5.6 - 12.9 | 12.9 - 25.4 |
| 240" | 1.11 | — | 4.1 - 5.3 | 6.1 - 7.9 | 7.6 - 15.3 | 15.2 - 24.4 | 24.0 - 36.5 | 4.1 - 5.7 | 6.8 - 15.7 | 15.5 - 30.5 |
| 300" | 1.55 | — | 5.1 - 6.6 | 7.6 - 9.9 | 9.6 - 19.1 | 19.0 - 30.5 | 30.0 - 45.8 | 5.1 - 7.1 | 8.4 - 19.5 | 19.3 - 38.0 |
| 400" | 2.28 | — | 6.8 - 8.8 | 10.2 - 13.2 | 12.8 - 25.5 | 25.4 - 40.7 | 40.1 - 61.1 | 6.8 - 9.5 | 11.2 - 26.0 | 25.7 - 50.1 |
| 500" | — | — | 8.5 - 11.1 | 12.7 - 16.5 | 16.0 - 31.8 | 31.8 - 50.4 | 50.2 - 76.4 | 8.5 - 12.0 | 14.0 - 32.6 | 32.2 - 63.9 |

*Screen to PJ Back