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| **NAME** | **CML101** | **CML301** | **CML301A** | **CML401** | **CML501** | **CML601** |
| Optics configuration | 8 assemblies with 10 lenses, 8 are spherical lenses and 2 are aspherical lenses | 7 assemblies with 8 lenses, 5 are spherical lenses, 2 are aspherical lenses and 1 diverging lens | 7 assemblies with 8 lenses, 5 are spherical lenses, 2 are aspherical lenses and 1 diverging lens | 7 assemblies with 7 lenses, 5 are spherical lenses and 2 are aspherical lenses | 6 assemblies with 7 lenses, 3 are spherical lenses and 4 are aspherical lenses | 7 assemblies with 10 lenses, 6 are spherical lenses, 2 are aspherical lenses and 12diverging lens |
| Distance of focus | INF mm 3.81mm～42.90mm | INF WIDE：3.15mm TELE:9.3mm | INF WIDE：3.15mm TELE:9.3mm | INF WIDE：9.2mm TELE:21.4mm | INF 2.11mm | INF 1.792mm |
| Field of View | Horizontal：6°～67.4° Vertical：3.6°～40.8° | Horizontal：103°～32°  Vertical：75°～24° | Horizontal：103°～32°  Vertical：75°～24° | Horizontal：33.8°～14.1° Vertical：25°～8.8° | Diagonal：185° Horizontal：158.8° Vertical：91.3° | Diagonal：185° Horizontal：158.8° Vertical：91.3° |
| F-number | 1.44～2.14 | 1.4～2.5 | 1.4～2.5 | 1.5～2.8 | 40cm | 11.3cm |
| Image cricle | Φ7.75mm | 3.96mm\*5.25mm(Φ5.6mm height 3.3mm) | 3.96mm\*5.25mm(Φ5.6mm height 3.3mm) | 5.85mm\*3.21mm(Φ6.71mm ) | 1.96 | 3.6 |
| Chief ray angle | 7.1°～8.2° | 8.5° | 8.5° | 10° | Φ7.81mm | Φ7.65mm |
| Peripheral illumination ratio | 41%～62% | 72%～80% | 72%～80% | 72%～80% | 9.7° | 4.7° |
| Zoom | Electronic zoom | Manual zoom | Electronic zoom | Manual zoom | 43% | 39% |
| Resolution | WIDE： center：125lp/mm 70% image height 80lp/mm | WIDE： center：800TV/line 70% image height 500TV/line | WIDE： center：800TV/line 70% image height 500TV/line | WIDE： center：1100TV/line 70% image height 1000TV/line | fixed | fixed |
| TELE： center：125lp/mm 70% image height 80lp/mm | WIDE：center：700TV/line  70% image height 500TV/line | TELE： center：700TV/line 70% image height 500TV/line | TELE： center：1100TV/line 70% image height 1000TV/line | WIDE： center：250lp/mm 70% image height 125lp/mm | WIDE： center：1239TV/line 70% image height 918TV/line |