

Continuous Illumination Test Results

1. Orange - ES1003 (Y7 Colorant)

| Test Duration [hrs] | | 0 | 100 | 300 | 500 | 1000 | 3000 | 5000 |
|-------------------------|---|--------|--------|--------|--------|--------|--------|--------|
| Luminous Flux [a.u.] | | 1.00 | 1.04 | 1.04 | 1.04 | 1.05 | 1.04 | 1.05 |
| Chromaticity (CIE 1931) | x | 0.5367 | 0.5350 | 0.5348 | 0.5347 | 0.5344 | 0.5340 | 0.5338 |
| | y | 0.4603 | 0.4619 | 0.4621 | 0.4622 | 0.4625 | 0.4629 | 0.4630 |

2. Yellow - ES1004 (Y8 Colorant)

| Test Duration [hrs] | | 0 | 100 | 300 | 500 | 1000 | 3000 | 5000 |
|-------------------------|---|--------|--------|--------|--------|--------|--------|--------|
| Luminous Flux [a.u.] | | 1.00 | 1.01 | 1.01 | 1.01 | 1.00 | 1.00 | 0.99 |
| Chromaticity (CIE 1931) | x | 0.4947 | 0.4951 | 0.4952 | 0.4948 | 0.4942 | 0.4943 | 0.4946 |
| | y | 0.4879 | 0.4879 | 0.4878 | 0.4882 | 0.4885 | 0.4886 | 0.4880 |

3. Green - ES1005 (G Colorant)

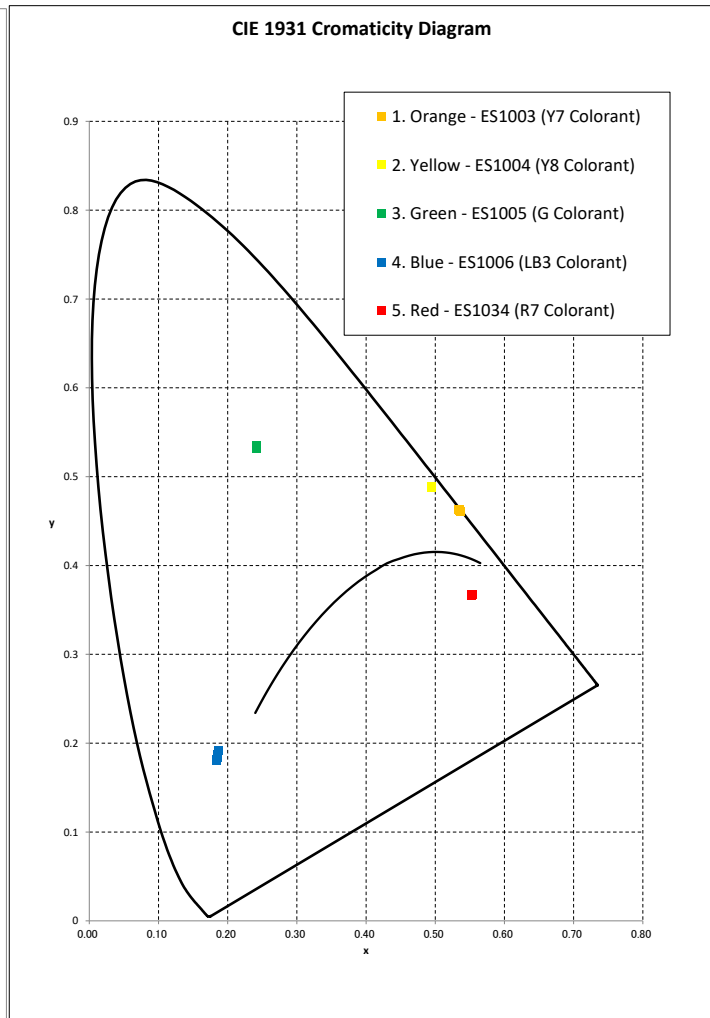
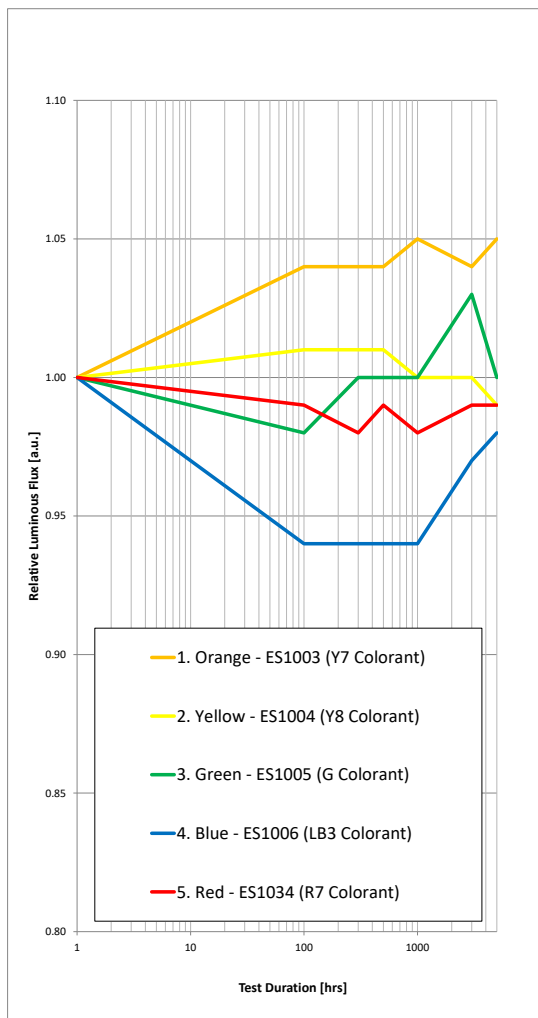
| Test Duration [hrs] | | 0 | 100 | 300 | 500 | 1000 | 3000 | 5000 |
|-------------------------|---|--------|--------|--------|--------|--------|--------|--------|
| Luminous Flux [a.u.] | | 1.00 | 0.98 | 1.00 | 1.00 | 1.00 | 1.03 | 1.00 |
| Chromaticity (CIE 1931) | x | 0.2409 | 0.2410 | 0.2414 | 0.2412 | 0.2412 | 0.2414 | 0.2409 |
| | y | 0.5345 | 0.5328 | 0.5334 | 0.5326 | 0.5326 | 0.5314 | 0.5316 |

4. Blue - ES1006 (LB3 Colorant)

| Test Duration [hrs] | | 0 | 100 | 300 | 500 | 1000 | 3000 | 5000 |
|-------------------------|---|--------|--------|--------|--------|--------|--------|--------|
| Luminous Flux [a.u.] | | 1.00 | 0.94 | 0.94 | 0.94 | 0.94 | 0.97 | 0.98 |
| Chromaticity (CIE 1931) | x | 0.1873 | 0.1833 | 0.1832 | 0.1832 | 0.1833 | 0.1848 | 0.1859 |
| | y | 0.1913 | 0.1816 | 0.1818 | 0.1807 | 0.1816 | 0.1842 | 0.1868 |

5. Red - ES1034 (R7 Colorant)

| Test Duration [hrs] | | 0 | 100 | 300 | 500 | 1000 | 3000 | 5000 |
|-------------------------|---|--------|--------|--------|--------|--------|--------|--------|
| Luminous Flux [a.u.] | | 1.00 | 0.99 | 0.98 | 0.99 | 0.98 | 0.99 | 0.99 |
| Chromaticity (CIE 1931) | x | 0.5521 | 0.5524 | 0.5537 | 0.5526 | 0.5524 | 0.5518 | 0.5534 |
| | y | 0.3670 | 0.3663 | 0.3668 | 0.3664 | 0.3665 | 0.3663 | 0.3668 |



[Test Conditions]

LED: Nichia NS6W183A-H1
 Drive Current: If=200mA
 Conditions: 25°C
 Method: Continuous LED illumination at 2mm distance

*Measured values, not a specification