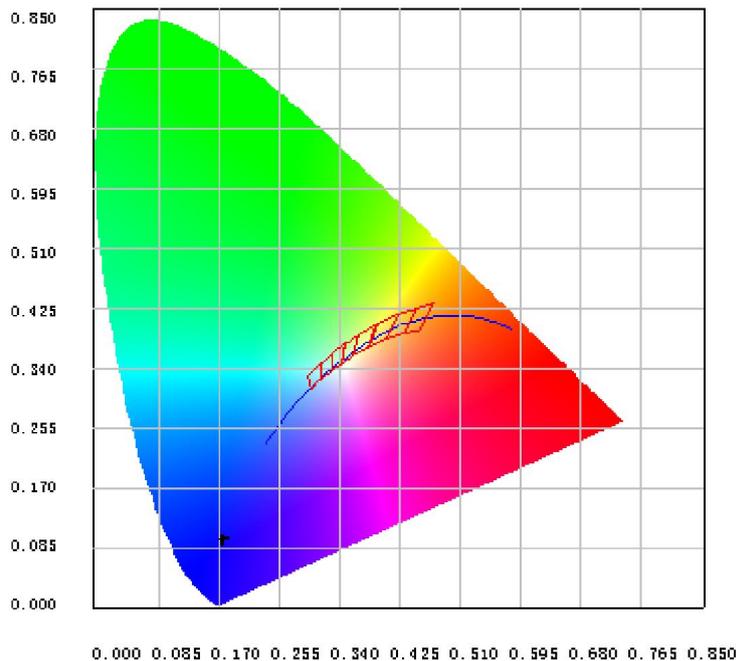


Spectrum Parameters

| | | | | | |
|---------|----------|---------|----------|-------|--------|
| x: | 0.1809 | y: | 0.1002 | | |
| u: | 0.1884 | v: | 0.1566 | | |
| WD: | 463.3 nm | WP: | 382.6 nm | | |
| HW: | 12.7 nm | Purity: | 78.311 | | |
| CCT: | 100000 K | Ra: | 39.1 | | |
| SDCM : | 123.33 | DUV : | -0.1028 | | |
| Ratio : | R%: 8.5 | G%: 0.6 | B%: 90.9 | | |
| Kred | 4.84% | Kgreen | 71.40% | Kblue | 23.76% |
| R1: | 56.0 | R2: | 85.8 | R3: | 26.7 |
| R4: | 20.3 | R5: | 54.4 | R6: | 4.1 |
| R7: | 55.8 | R8: | 10.0 | R9: | -77.4 |
| R10: | 47.2 | R11: | 22.3 | R12: | -31.6 |
| R13: | 53.6 | R14: | 58.5 | R15: | 57.7 |

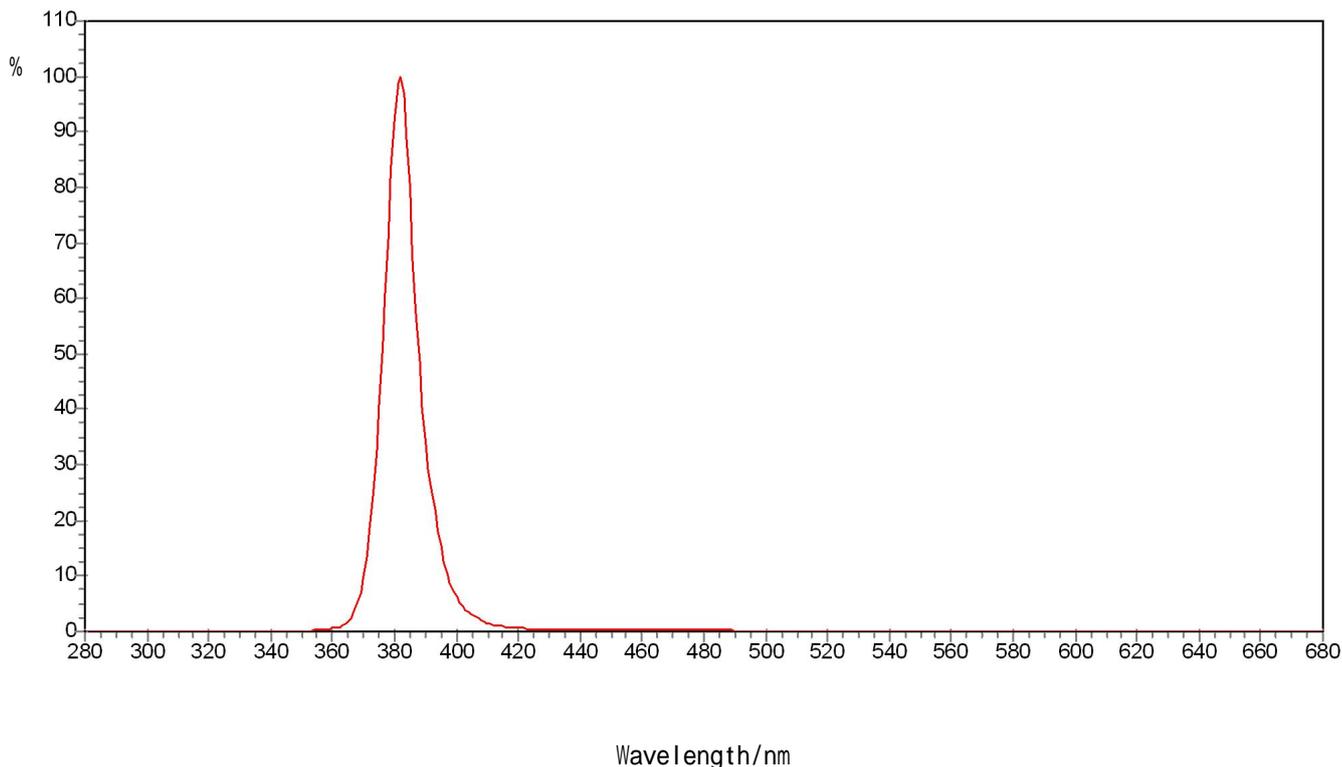


Electrical parameters

| | | | | | | |
|-------|-----------|----|------------|----|-----------|-----|
| Flux: | 20.448 lm | E: | 8.275 lm/w | P: | 544.31 mw | |
| I: | 700.0 mA | V: | 3.53 V | P: | 2.471 w | PF: |

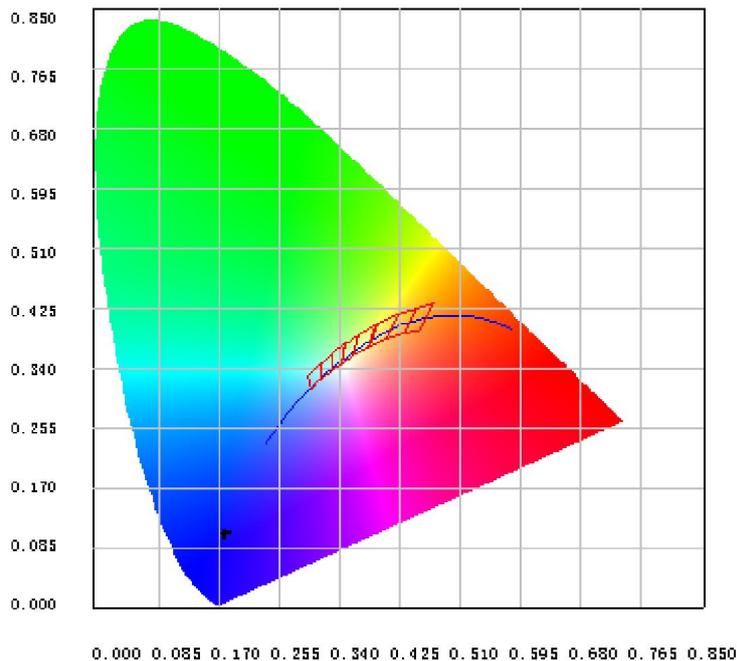
Memo:

| | | | |
|---------------|---------|---------------|------------------|
| Product Mode: | 1 | Item No: | 11 |
| Tester: | Y | Date: | 2025-03-22 11:03 |
| Temperature: | 24 () | Humidity: | 60 (%) |
| Manufacturer: | ZVISION | organization: | 杭州中为光电 |



Spectrum Parameters

x: 0.1843 y: 0.1099
 u: 0.1866 v: 0.1669
 WD: 464.4 nm WP: 381.8 nm
 HW: 11.9 nm Purity: 75.749
 CCT: 100000 K Ra: 44.5
 SDCM : 118.61 DUV : -0.0316
 Ratio : R%: 9.1 G%: 0.6 B%: 90.3
 Kred 5.71% Kgreen 71.82% Kblue 22.47%
 R1: 62.2 R2: 86.4 R3: 35.1
 R4: 28.5 R5: 59.1 R6: 8.6
 R7: 60.3 R8: 15.8 R9: -54.7
 R10: 52.8 R11: 31.9 R12: -19.2
 R13: 54.4 R14: 63.3 R15: 62.5

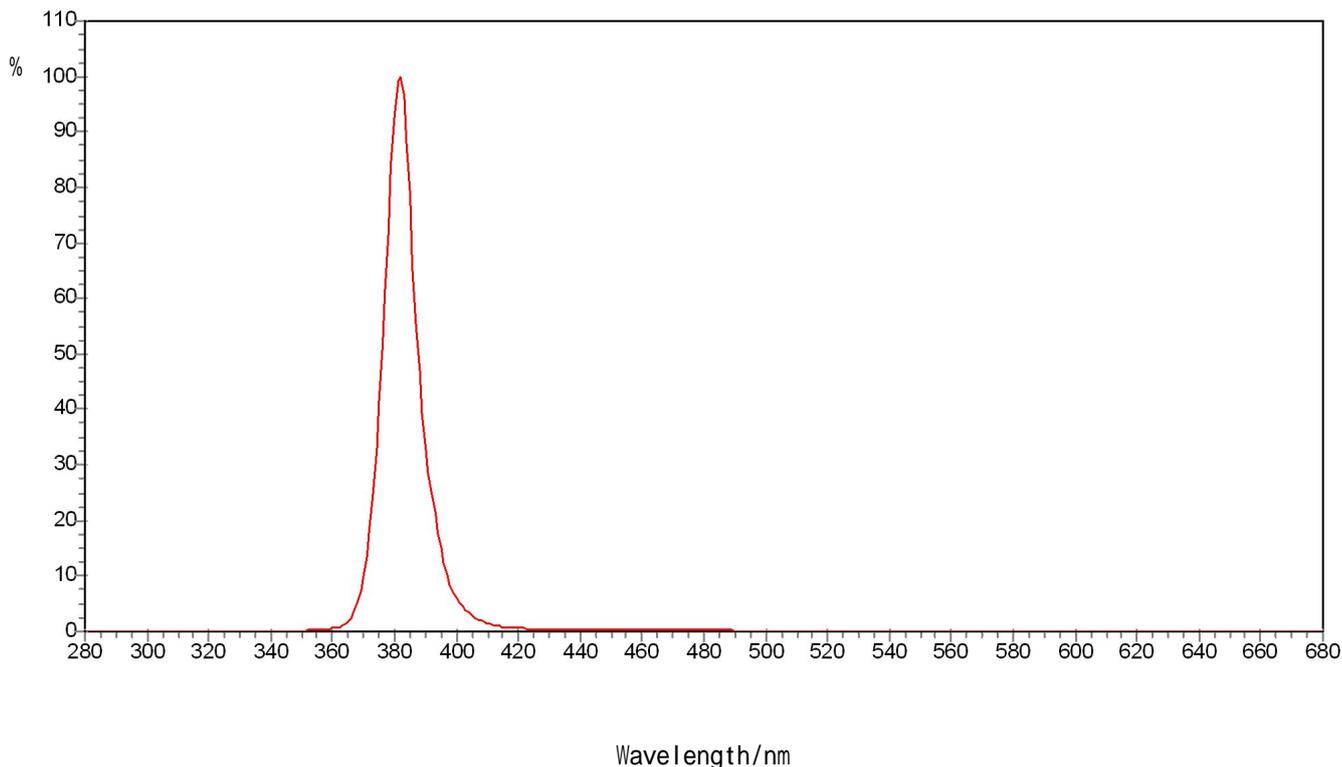


Electrical parameters

Flux: 10.443 lm E: 9.266 lm/w P: 294.91 mw
 I: 350.0 mA V: 3.22 V P: 1.127 w PF:

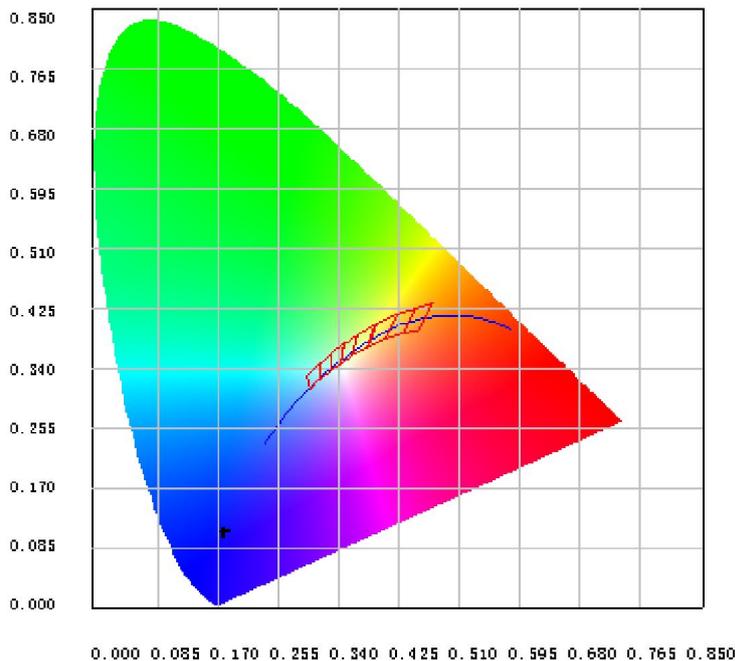
Memo:

| | |
|-----------------------|------------------------|
| Product Mode: 1 | Item No: 12 |
| Tester: Y | Date: 2025-03-22 11:03 |
| Temperature: 24 () | Humidity: 60 (%) |
| Manufacturer: ZVISION | organization: 杭州中为光电 |



Spectrum Parameters

x: 0.1839 y: 0.1122
 u: 0.1850 v: 0.1692
 WD: 465.1 nm WP: 381.7 nm
 HW: 11.8 nm Purity: 75.443
 CCT: 100000 K Ra: 44.1
 SDCM : 117.72 DUV : -0.0293
 Ratio: R%: 9.1 G%: 0.7 B%: 90.2
 Kred 5.30% Kgreen 72.49% Kblue 22.21%
 R1: 59.0 R2: 88.2 R3: 36.2
 R4: 26.5 R5: 57.4 R6: 9.2
 R7: 60.9 R8: 15.5 R9: -63.0
 R10: 58.1 R11: 28.9 R12: -16.9
 R13: 53.1 R14: 63.6 R15: 59.7



Electrical parameters

Flux: 9.456 lm E: 9.409 lm/w P: 267.81 mw
 I: 315.0 mA V: 3.19 V P: 1.005 w PF:

Memo:

| | |
|-----------------------|------------------------|
| Product Mode: 1 | Item No: 13 |
| Tester: Y | Date: 2025-03-22 11:03 |
| Temperature: 24 () | Humidity: 60 (%) |
| Manufacturer: ZVISION | organization: 杭州中为光电 |