

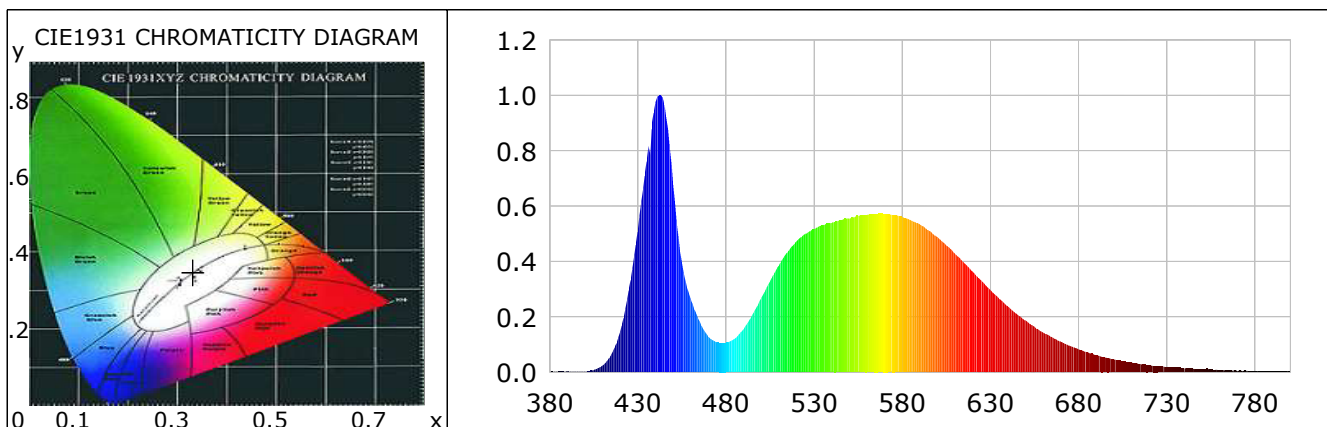
Lightsource Test Report (1/2)

Product Infomation

Product Type: 48款12inch 50W OSRAM P8 Product Number: 49

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3316$ $y=0.3476$ $u(u')=0.2038$ $v=0.3205$ $v'=0.4807$
 CCT: $T_c=5536K$ ($duv=0.00368$) Color Ratio: $R=0.132$ $G=0.837$ $B=0.032$
 Peak Wavelength: 442.6nm Half Bandwidth: 23.0nm
 Dominant Wavelength: 548.5nm Color Purity: 0.039
 CRI: $R_a=70.9$ TM30: $R_f=68$, $R_g=96$
 $R_1=69$ $R_2=74$ $R_3=79$ $R_4=73$ $R_5=71$ $R_6=67$ $R_7=77$ $R_8=57$
 $R_9=-35$ $R_{10}=40$ $R_{11}=74$ $R_{12}=50$ $R_{13}=69$ $R_{14}=88$ $R_{15}=62$
 Color Quality Scale: $Q_a=72.1$, $Q_f=71.1$, $Q_p=75.6$, $Q_g=91.0$
 $Q_1=77$ $Q_2=92$ $Q_3=67$ $Q_4=66$ $Q_5=73$ $Q_6=74$ $Q_7=77$ $Q_8=86$
 $Q_9=91$ $Q_{10}=73$ $Q_{11}=69$ $Q_{12}=69$ $Q_{13}=71$ $Q_{14}=57$ $Q_{15}=65$



Photometric Parameters

Luminous Flux: 3715.61 lm Efficiency: 106.04 lm/W Radiant Power: 11.282 W
 EEI: 0.13 Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 12.79V Current: 2.7400A Power: 35.04W
 Power Factor: 0.0000 Frequency: 0.00Hz

Test Infomation

Scan Range: 380~800:1nm Photometric Method: sphere-spectroradiometer
 Stabilization Time: 20 Sec Photometric Condition: Sphere diameter: 1.50m, 4π
 Max of Signal: 45049 (3284) CCD Integration Time: 108.12 ms

Lightsource Test Report (2/2)

| WL(nm) | PL | PE(mW/nm) | WL(nm) | PL | PE(mW/nm) | WL(nm) | PL | PE(mW/nm) |
|--------|--------|-----------|--------|--------|-----------|--------|--------|-----------|
| 380 | 0.0019 | 0.2054 | 525 | 0.4996 | 53.4886 | 670 | 0.1099 | 11.7630 |
| 385 | 0.0025 | 0.2720 | 530 | 0.5178 | 55.4308 | 675 | 0.0949 | 10.1587 |
| 390 | 0.0048 | 0.5145 | 535 | 0.5317 | 56.9204 | 680 | 0.0830 | 8.8884 |
| 395 | 0.0018 | 0.1909 | 540 | 0.5409 | 57.9076 | 685 | 0.0721 | 7.7141 |
| 400 | 0.0020 | 0.2185 | 545 | 0.5494 | 58.8187 | 690 | 0.0621 | 6.6504 |
| 405 | 0.0085 | 0.9049 | 550 | 0.5539 | 59.2954 | 695 | 0.0542 | 5.8035 |
| 410 | 0.0248 | 2.6505 | 555 | 0.5648 | 60.4682 | 700 | 0.0465 | 4.9731 |
| 415 | 0.0641 | 6.8611 | 560 | 0.5685 | 60.8677 | 705 | 0.0403 | 4.3135 |
| 420 | 0.1479 | 15.8321 | 565 | 0.5712 | 61.1535 | 710 | 0.0347 | 3.7134 |
| 425 | 0.3034 | 32.4774 | 570 | 0.5713 | 61.1662 | 715 | 0.0303 | 3.2474 |
| 430 | 0.5149 | 55.1200 | 575 | 0.5677 | 60.7792 | 720 | 0.0246 | 2.6383 |
| 435 | 0.7695 | 82.3790 | 580 | 0.5607 | 60.0273 | 725 | 0.0223 | 2.3827 |
| 440 | 0.9759 | 104.4734 | 585 | 0.5490 | 58.7767 | 730 | 0.0196 | 2.1013 |
| 445 | 0.9660 | 103.4138 | 590 | 0.5335 | 57.1106 | 735 | 0.0169 | 1.8090 |
| 450 | 0.6784 | 72.6232 | 595 | 0.5111 | 54.7195 | 740 | 0.0136 | 1.4517 |
| 455 | 0.3915 | 41.9187 | 600 | 0.4871 | 52.1501 | 745 | 0.0128 | 1.3740 |
| 460 | 0.2626 | 28.1133 | 605 | 0.4571 | 48.9376 | 750 | 0.0104 | 1.1120 |
| 465 | 0.1832 | 19.6096 | 610 | 0.4276 | 45.7748 | 755 | 0.0083 | 0.8913 |
| 470 | 0.1286 | 13.7648 | 615 | 0.3947 | 42.2516 | 760 | 0.0084 | 0.9027 |
| 475 | 0.1081 | 11.5721 | 620 | 0.3620 | 38.7532 | 765 | 0.0059 | 0.6342 |
| 480 | 0.1070 | 11.4592 | 625 | 0.3295 | 35.2728 | 770 | 0.0041 | 0.4422 |
| 485 | 0.1220 | 13.0655 | 630 | 0.2963 | 31.7161 | 775 | 0.0069 | 0.7358 |
| 490 | 0.1578 | 16.8988 | 635 | 0.2657 | 28.4448 | 780 | 0.0038 | 0.4040 |
| 495 | 0.2087 | 22.3397 | 640 | 0.2377 | 25.4479 | 785 | 0.0034 | 0.3688 |
| 500 | 0.2690 | 28.8030 | 645 | 0.2100 | 22.4837 | 790 | 0.0042 | 0.4545 |
| 505 | 0.3294 | 35.2638 | 650 | 0.1866 | 19.9748 | 795 | 0.0038 | 0.4100 |
| 510 | 0.3872 | 41.4492 | 655 | 0.1632 | 17.4745 | 800 | 0.0044 | 0.4673 |
| 515 | 0.4356 | 46.6385 | 660 | 0.1424 | 15.2410 | | | |
| 520 | 0.4733 | 50.6714 | 665 | 0.1265 | 13.5385 | | | |

Condition: Tx:30.9°C, Ti:30.0°C, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-2S (Plus)
 Test Time: 2021-04-02 10:29:00
 Inspector: