



BUYER BEWARE!

All projectors are NOT created equal.

INSIST on High Color Brightness in every projector you buy.

Projector Buyer's Guide to Color Brightness by Model

Projector buyers should proceed with caution.

Derived when presentations consisted of a black font on a white background, the old lumens metric only measures white light. Lumens, or brightness, tells the projector buyer little about the brightness of colors in photos, videos or graphics.

Fortunately, a newer metric gives projector buyers a measurement for the brightness of colors. Color Light Output, or more simply Color Brightness, quantifies the brightness of Red, Green and Blue; the primary colors of light.

The photograph below shows two projectors setup side-by-side, set in their brightest mode. Both offer similar resolution, price and white brightness levels.

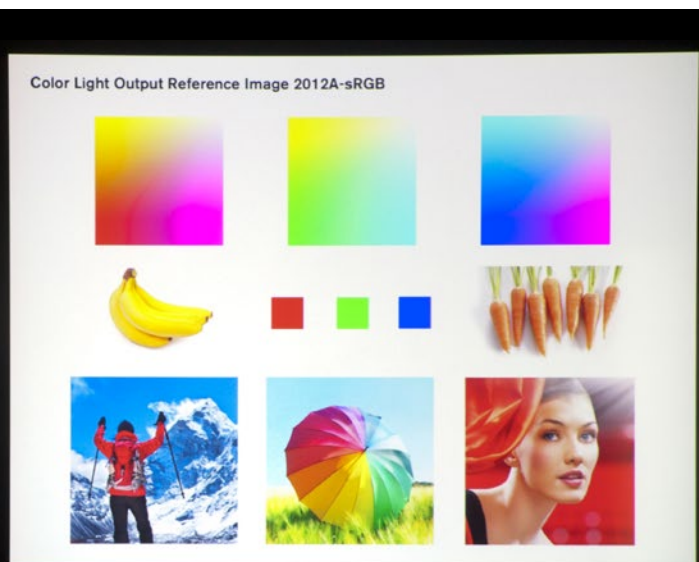
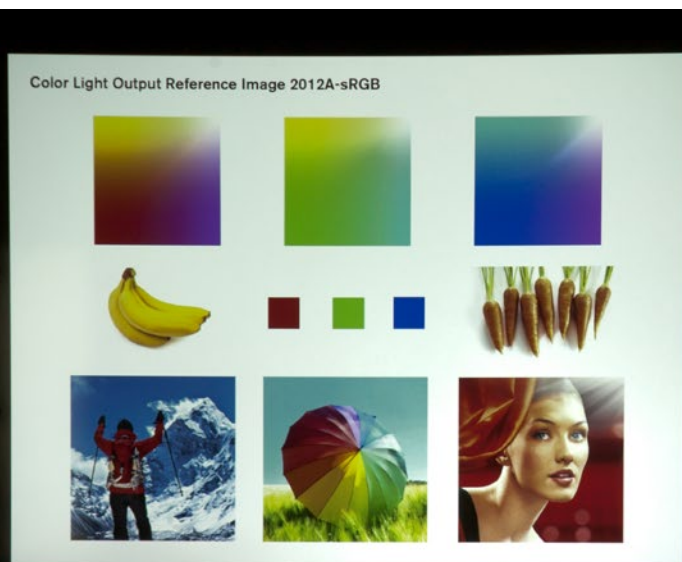
The projector on the left exhibits low Color Brightness; only a fraction of its white brightness. The one on the right shows equal amounts of Color and White Brightness. Colors on the right are much brighter, providing more impact.

This document starts with a listing of projectors where the manufacturer specifies both White and Color Brightness. Second is a table containing projectors measured for their Color Brightness level by a 3rd party laboratory because the manufacturer did not specify the color brightness.

Insist on brighter colors. When selecting a projector, consider both the brightness of White as well as the brightness of Color.

Low Color Brightness

High Color Brightness



Actual photograph of side by side projected images from an identical signal source. Both projectors are set to their brightest mode. Testing and photography conducted by Lumita Inc.

Table 1: Models with Manufacturer Specification for Color Brightness

Many manufacturers provide specifications for both White Light Output (White Brightness) and Color Light Output (Color Brightness). Manufacturers publish specifications on product performance and are responsible for their legitimacy and reliability. See manufacturer's websites or contact the manufacturer for details.

| | White Brightness | Color Brightness | | White Brightness | Color Brightness | | White Brightness | Color Brightness |
|-----------------------|------------------|------------------|-------------------|------------------|------------------|------------------|------------------|------------------|
| Dukane | | | EX6210 | 2700 | 2700 | PowerLite 1980WU | 4400 | 4400 |
| ImagePro 8104 | 2500 | 2500 | EX6220 | 3000 | 3000 | PowerLite 1985WU | 4800 | 4800 |
| ImagePro 8107 | 2500 | 2500 | EX7210 | 2800 | 2800 | PowerLite 2040 | 4200 | 4200 |
| ImagePro 8112 | 3000 | 3000 | EX7220 | 3000 | 3000 | PowerLite 2042 | 4400 | 4400 |
| ImagePro 8755 | 2400 | 2400 | EX7230 | 3000 | 3000 | PowerLite 2065 | 5500 | 5500 |
| ImagePro 8928 | 2700 | 2700 | EX7235 | 3000 | 3000 | PowerLite 2140W | 4200 | 4200 |
| ImagePro 8930 | 3200 | 3200 | EX7240 | 3200 | 3200 | PowerLite 2142W | 4200 | 4200 |
| ImagePro 8931 | 3000 | 3000 | EX7260 | 3600 | 3600 | PowerLite 2155W | 5000 | 5000 |
| ImagePro 8932 | 3200 | 3200 | EX9200 | 3200 | 3200 | PowerLite 2165W | 5500 | 5500 |
| ImagePro 8933 | 3000 | 3000 | EX9210 | 3400 | 3400 | PowerLite 2245U | 4200 | 4200 |
| ImagePro 8957 | 4000 | 4000 | EX9220 | 3600 | 3600 | PowerLite 2247U | 4200 | 4200 |
| ImagePro 8958 | 4000 | 4000 | EV-100/105 | 2000 | 2000 | PowerLite 2250U | 5000 | 5000 |
| ImagePro 8959 | 5000 | 5000 | MegaPlex MG-850HD | 2800 | 2800 | PowerLite 2255U | 5000 | 5000 |
| ImagePro 8970 | 5000 | 5000 | MovieMate 85HD | 2500 | 2500 | PowerLite 2265U | 5500 | 5500 |
| ImagePro 8971 | 6000 | 6000 | PC 4040 | 2200 | 2200 | PowerLite 4100 | 4500 | 4500 |
| ImagePro 8972 | 4000 | 4000 | PC 6040UB | 2500 | 2500 | PowerLite 420 | 2500 | 2500 |
| ImagePro 8973 | 5500 | 5500 | PC LS10500 | 1500 | 1500 | PowerLite 4200W | 4500 | 4500 |
| ImagePro 8974 | 4200 | 4200 | PowerLite 107 | 3500 | 3500 | PowerLite 425W | 2500 | 2500 |
| ImagePro 8975 | 5000 | 5000 | PowerLite 108 | 3700 | 3700 | PowerLite 430 | 3000 | 3000 |
| ImagePro 8977 | 7000 | 7000 | PowerLite109W | 4000 | 4000 | PowerLite 4300 | 5200 | 5200 |
| ImagePro 8979 | 6000 | 6000 | PowerLite 1221 | 2800 | 2800 | PowerLite 435W | 3000 | 3000 |
| Epson | | | PowerLite 1222 | 3000 | 3000 | PowerLite 4650 | 5200 | 5200 |
| BrightLink 436Wi | 3000 | 3000 | PowerLite 1224 | 3200 | 3200 | PowerLite 470 | 2600 | 2600 |
| BrightLink 450Wi | 2500 | 2500 | PowerLite 1261W | 2800 | 2800 | PowerLite 475W | 2600 | 2600 |
| BrightLink 475Wi | 2600 | 2600 | PowerLite 1262W | 3000 | 3000 | PowerLite 4750W | 4200 | 4200 |
| BrightLink 485Wi | 3100 | 3100 | PowerLite 1263W | 3000 | 3000 | PowerLite 4770W | 5000 | 5000 |
| BrightLink 536Wi | 3400 | 3400 | PowerLite 1264 | 3200 | 3200 | PowerLite 480 | 3000 | 3000 |
| BrightLink 575Wi | 2700 | 2700 | PowerLite 1266 | 3600 | 3600 | PowerLite 485W | 3100 | 3100 |
| BrightLink 585Wi | 3300 | 3300 | PowerLite 1284 | 3200 | 3200 | PowerLite 4855WU | 4000 | 4000 |
| BrightLink 595Wi | 3300 | 3300 | PowerLite 1286 | 3600 | 3600 | PowerLite 520 | 2700 | 2700 |
| BrightLink 685Wi | 3500 | 3500 | PowerLite 1751 | 2600 | 2600 | PowerLite 525W | 2800 | 2800 |
| BrightLink 695Wi | 3500 | 3500 | PowerLite 1761W | 2600 | 2600 | PowerLite 530 | 3200 | 3200 |
| BrightLink 696Ui | 3800 | 3800 | PowerLite 1770W | 3000 | 3000 | PowerLite 535W | 3400 | 3400 |
| BrightLink 697Ui | 4400 | 4400 | PowerLite 1771W | 3000 | 3000 | PowerLite 5510 | 5500 | 5500 |
| BrightLink 710Ui | 4000 | 4000 | PowerLite 1776W | 3000 | 3000 | PowerLite 5520W | 5500 | 5500 |
| BrightLink Pro 1410Wi | 3100 | 3100 | PowerLite 1780W | 3000 | 3000 | PowerLite 5530U | 5500 | 5500 |
| BrightLink Pro 1420Wi | 3300 | 3300 | PowerLite 1781W | 3200 | 3200 | PowerLite 5535U | 5500 | 5500 |
| BrightLink Pro 1430Wi | 3300 | 3300 | PowerLite 1785W | 3200 | 3200 | PowerLite 570 | 2700 | 2700 |
| BrightLink Pro 1450Ui | 3800 | 3800 | PowerLite 1795F | 3200 | 3200 | PowerLite 575W | 2700 | 2700 |
| BrightLink Pro 1460Ui | 4400 | 4400 | PowerLite 1835 | 3500 | 3500 | PowerLite 580 | 3200 | 3200 |
| BrightLink Pro 1470Ui | 4000 | 4000 | PowerLite 1850W | 3700 | 3700 | PowerLite 585W | 3300 | 3300 |
| EX3212 | 2800 | 2800 | PowerLite 1880 | 4000 | 4000 | PowerLite 675W | 3200 | 3200 |
| EX3220 | 3000 | 3000 | PowerLite 1925W | 4000 | 4000 | PowerLite 680 | 3500 | 3500 |
| EX3240 | 3200 | 3200 | PowerLite 1930 | 4200 | 4200 | PowerLite 685W | 3500 | 3500 |
| EX3260 | 3300 | 3300 | PowerLite 1940W | 4200 | 4200 | PowerLite 700U | 4000 | 4000 |
| EX5210 | 2800 | 2800 | PowerLite 1945W | 4200 | 4200 | PowerLite 905 | 3000 | 3000 |
| EX5220 | 3000 | 3000 | PowerLite 1950 | 4500 | 4500 | PowerLite 915W | 3200 | 3200 |
| EX5230 | 3500 | 3500 | PowerLite 1955 | 4500 | 4500 | PowerLite 93+ | 2600 | 2600 |
| EX5240 | 3200 | 3200 | PowerLite 1960 | 5000 | 5000 | PowerLite 935W | 3700 | 3700 |
| EX5250 | 3600 | 3600 | PowerLite 1965 | 5000 | 5000 | PowerLite 95 | 2600 | 2600 |
| EX5260 | 3600 | 3600 | PowerLite 1975W | 5000 | 5000 | PowerLite 955WH | 3200 | 3200 |

Table 1: Continued

| | White Brightness | Color Brightness | | White Brightness | Color Brightness | | White Brightness | Color Brightness |
|--------------------------|---------------------|---------------------|----------------|---------------------|---------------------|------------------|---------------------|---------------------|
| Epson (Continued) | | | PL HC 3500 | 2500 | 2500 | PL Pro G7805 | 8000 | 8000 |
| PowerLite 965 | 3500 | 3500 | PL HC 3600e | 2500 | 2500 | PL Pro G7900U | 7000 | 7000 |
| PowerLite 965H | 3500 | 3500 | PL HC 3700 | 3000 | 3000 | PL Pro G7905U | 7000 | 7000 |
| PowerLite 96W | 2700 | 2700 | PL HC 3900 | 2700 | 2700 | PL Pro L1100U | 6000 | 6000 |
| PowerLite 97 | 2700 | 2700 | PL HC 4000 | 2200 | 2200 | PL Pro L1200U | 7000 | 7000 |
| PowerLite 97H | 2700 | 2700 | PL HC 500 | 2600 | 2600 | PL Pro L1300U | 8000 | 8000 |
| PowerLite 970 | 4000 | 4000 | PL HC 5010 | 2400 | 2400 | PL Pro L1405U | 8000 | 8000 |
| PowerLite 975W | 3600 | 3600 | PL HC 5020UB | 2400 | 2400 | PL Pro L1500U | 12000 | 12000 |
| PowerLite 98 | 2700 | 2700 | PL HC 5020UBe | 2400 | 2400 | PL Pro L1505U | 12000 | 12000 |
| PowerLite 98H | 3000 | 3000 | PL HC 5030UB | 2400 | 2400 | PL Pro L1715S | 15000 | 15000 |
| PowerLite 980W | 3800 | 3800 | PL HC 5030UBe | 2400 | 2400 | PL Pro L1750U | 15000 | 15000 |
| PowerLite 99W | 3000 | 3000 | PL HC 5040UB | 2500 | 2500 | PL Pro L1755U | 15000 | 15000 |
| PowerLite 99WH | 3000 | 3000 | PL HC 5040UBe | 2500 | 2500 | PL Pro L25000U | 25000 | 25000 |
| PowerLite 990U | 3800 | 3800 | PL HC 640 | 3200 | 3200 | PL Pro Z8000WUNL | 6000 | 6000 |
| PowerLite D6150 | 3500 | 3500 | PL HC 660 | 3300 | 3300 | PL Pro Z8050WNL | 7000 | 7000 |
| PowerLite D6155W | 3500 | 3500 | PL HC 707 | 2700 | 2700 | PL Pro Z8150NL | 8000 | 8000 |
| PowerLite D6250 | 4000 | 4000 | PL HC 710HD | 2800 | 2800 | PL Pro Z8250NL | 10000 | 10000 |
| PowerLite L400U | 4500 | 4500 | PL HC 725HD | 2800 | 2800 | PL Pro Z8255NL | 10000 | 10000 |
| PowerLite L500W | 5000 | 5000 | PL HC 730HD | 3000 | 3000 | PL Pro Z8350WNL | 8500 | 8500 |
| PowerLite L510U | 5000 | 5000 | PL HC 740HD | 3000 | 3000 | PL Pro Z8450WUNL | 7000 | 7000 |
| PowerLite L610 | 6000 | 6000 | PL HC 750HD | 3000 | 3000 | PL Pro Z8455WUNL | 7000 | 7000 |
| PowerLite L610U | 6000 | 6000 | PL HC 760HD | 3300 | 3300 | PL Pro Z9750UNL | 7500 | 7500 |
| PowerLite L610W | 6000 | 6000 | PL HC 8345 | 1800 | 1800 | PL Pro Z9800WNL | 8300 | 8300 |
| PowerLite L615U | 6000 | 6000 | PL HC 8350 | 2000 | 2000 | PL Pro Z9870NL | 8700 | 8700 |
| PowerLite S11 | 2600 | 2600 | PL HC LS100 | 4000 | 4000 | PL Pro Z9870UNL | 8700 | 8700 |
| PowerLite S17 | 2700 | 2700 | PL Presenter | 2500 | 2500 | PL Pro Z9900WNL | 9200 | 9200 |
| PowerLite S27 | 2700 | 2700 | PL Pro C4030 | 2000 | 2000 | PL Pro Z10000UNL | 10000 | 10000 |
| PowerLite S39 | 3300 | 3300 | PL Pro C6020UB | 2400 | 2400 | PL Pro Z10005UNL | 10000 | 10000 |
| PowerLite W16 | 3000 | 3000 | PL Pro C6030UB | 2400 | 2400 | PL Pro Z11000WNL | 11000 | 11000 |
| PowerLite W16SK | 6000 | 6000 | PL Pro C9350 | 2000 | 2000 | PL Pro Z11005NL | 11000 | 11000 |
| PowerLite W17 | 2800 | 2800 | PL Pro G5450WU | 4000 | 4000 | VS210 | 2600 | 2600 |
| PowerLite W29 | 3000 | 3000 | PL Pro G5550 | 4500 | 4500 | VS220 | 2700 | 2700 |
| PowerLite W39 | 3500 | 3500 | PL Pro G5650W | 4500 | 4500 | VS230 | 2800 | 2800 |
| PowerLite X12 | 2800 | 2800 | PL Pro G6050W | 5500 | 5500 | VS240 | 3000 | 3000 |
| PowerLite X15 | 3000 | 3000 | PL Pro G6070W | 5500 | 5500 | VS250 | 3200 | 3200 |
| PowerLite X17 | 2700 | 2700 | PL Pro G6150 | 6500 | 6500 | VS315W | 2600 | 2600 |
| PowerLite X27 | 2700 | 2700 | PL Pro G6170 | 6500 | 6500 | VS320 | 2700 | 2700 |
| PowerLite X39 | 3500 | 3500 | PL Pro G6270W | 6500 | 6500 | VS330 | 2700 | 2700 |
| PL HC 1040 | 3000 | 3000 | PL Pro G6450WU | 4500 | 4500 | VS335W | 2700 | 2700 |
| PL HC 1060 | 3200 | 3200 | PL Pro G6470WU | 4500 | 4500 | VS340 | 2800 | 2800 |
| PL HC 1440 | 4400 | 4400 | PL Pro G6550WU | 5200 | 5200 | VS345 | 3000 | 3000 |
| PL HC 1450 | 4200 | 4200 | PL Pro G6570WU | 5200 | 5200 | VS350 | 3300 | 3300 |
| PL HC 2000 | 1800 | 1800 | PL Pro G6750WU | 6000 | 6000 | VS350W | 3700 | 3700 |
| PL HC 2030 | 2000 | 2000 | PL Pro G6770WU | 6000 | 6000 | VS355 | 3300 | 3300 |
| PL HC 2040 | 2200 | 2200 | PL Pro G6800 | 7000 | 7000 | VS410 | 4000 | 4000 |
| PL HC 2045 | 2200 | 2200 | PL Pro G6870 | 7000 | 7000 | EB-107 | 3500 | 3500 |
| PL HC 2100 | 2500 | 2500 | PL Pro G6900WU | 6000 | 6000 | EB-108 | 3700 | 3700 |
| PL HC 2150 | 2500 | 2500 | PL Pro G6970WU | 6000 | 6000 | EB-109W | 4000 | 4000 |
| PL HC 3000 | 2300 | 2300 | PL Pro G7000W | 6500 | 6500 | EB-1420Wi | 3300 | 3300 |
| PL HC 3010e | 2200 | 2200 | PL Pro G7100 | 6500 | 6500 | EB-1430Wi | 3300 | 3300 |
| PL HC 3020 | 2300 | 2300 | PL Pro G7200W | 7500 | 7500 | EB-1440Ui | 3800 | 3800 |
| PL HC 3020e | 2300 | 2300 | PL Pro G7400U | 5500 | 5500 | EB-1450Ui | 3800 | 3800 |
| PL HC 3100 | 2600 | 2600 | PL Pro G7500U | 6500 | 6500 | EB-1460Ui | 4400 | 4400 |

Table 1: Continued

| | White Brightness | Color Brightness | | White Brightness | Color Brightness | | White Brightness | Color Brightness |
|--------------------------|---------------------|---------------------|------------|---------------------|---------------------|------------|---------------------|---------------------|
| Epson (Continued) | | | EB-585W | 3300 | 3300 | EB-G7000W | 6500 | 6500 |
| EB-1470Ui | 4000 | 4000 | EB-585Wi | 3300 | 3300 | EB-G7100 | 6500 | 6500 |
| EB-1751 | 2600 | 2600 | EB-590WT | 3300 | 3300 | EB-G7200W | 7500 | 7500 |
| EB-1761W | 2600 | 2600 | EB-595Wi | 3300 | 3300 | EB-G7400U | 5500 | 5500 |
| EB-1771W | 3000 | 3000 | EB-670 | 3100 | 3100 | EB-G7500U | 6500 | 6500 |
| EB-1776W | 3000 | 3000 | EB-675Wi | 3200 | 3200 | EB-G7800 | 8000 | 8000 |
| EB-1780W | 3000 | 3000 | EB-680 | 3500 | 3500 | EB-G7805 | 8000 | 8000 |
| EB-1781W | 3200 | 3200 | EB-680Wi | 3500 | 3500 | EB-G7900 | 7000 | 7000 |
| EB-1785W | 3200 | 3200 | EB-685W | 3500 | 3500 | EB-G7900U | 7000 | 7000 |
| EB-1795F | 3200 | 3200 | EB-685Wi | 3500 | 3500 | EB-G7905U | 7000 | 7000 |
| EB-1930 | 4200 | 4200 | EB-695Wi | 3500 | 3500 | EB-L1100U | 6000 | 6000 |
| EB-1935 | 4200 | 4200 | EB-696Ui | 3800 | 3800 | EB-L1105U | 6000 | 6000 |
| EB-1940W | 4200 | 4200 | EB-700U | 4000 | 4000 | EB-L1200U | 7000 | 7000 |
| EB-1945W | 4200 | 4200 | EB-710Ui | 4000 | 4000 | EB-L1300U | 8000 | 8000 |
| EB-1950 | 4500 | 4500 | EB-935W | 3700 | 3700 | EB-L1405U | 8000 | 8000 |
| EB-1955 | 4500 | 4500 | EB-940H | 3000 | 3000 | EB-L1500U | 12000 | 12000 |
| EB-1960 | 5000 | 5000 | EB-945 | 3000 | 3000 | EB-L15000U | 12000 | 12000 |
| EB-1965 | 5000 | 5000 | EB-945H | 3000 | 3000 | EB-L1505U | 12000 | 12000 |
| EB-1970W | 5000 | 5000 | EB-950WH | 3000 | 3000 | EB-L1510S | 12000 | 12000 |
| EB-1975W | 5000 | 5000 | EB-950WHV | 3000 | 3000 | EB-L1515S | 12000 | 12000 |
| EB-1980WU | 4400 | 4400 | EB-955W | 3000 | 3000 | EB-L1710S | 15000 | 15000 |
| EB-1985WU | 4800 | 4800 | EB-955WH | 3200 | 3200 | EB-L1715S | 15000 | 15000 |
| EB-2040 | 4200 | 4200 | EB-965 | 3500 | 3500 | EB-L1750U | 15000 | 15000 |
| EB-2042 | 4400 | 4400 | EB-965H | 3500 | 3500 | EB-L1755U | 15000 | 15000 |
| EB-2055 | 5000 | 5000 | EB-97H | 2700 | 2700 | EB-L25000U | 25000 | 25000 |
| EB-2065 | 5500 | 5500 | EB-970 | 4000 | 4000 | EB-L400U | 4500 | 4500 |
| EB-2140W | 4200 | 4200 | EB-98 | 3000 | 3000 | EB-L500W | 5000 | 5000 |
| EB-2142W | 4200 | 4200 | EB-98H | 3000 | 3000 | EB-L510U | 5000 | 5000 |
| EB-2155W | 5000 | 5000 | EB-980W | 3800 | 3800 | EB-L610 | 6000 | 6000 |
| EB-2165W | 5500 | 5500 | EB-99WH | 3000 | 3000 | EB-L610U | 6000 | 6000 |
| EB-2245U | 4200 | 4200 | EB-990U | 3800 | 3800 | EB-L610W | 6000 | 6000 |
| EB-2247U | 4200 | 4200 | EB-D6150 | 3500 | 3500 | EB-L615U | 6000 | 6000 |
| EB-2250U | 5000 | 5000 | EB-D6155W | 3500 | 3500 | EB-S03 | 2700 | 2700 |
| EB-2255U | 5000 | 5000 | EB-D6250 | 4000 | 4000 | EB-S04 | 3000 | 3000 |
| EB-2265U | 5500 | 5500 | EB-G6050W | 5500 | 5500 | EB-S05 | 3200 | 3200 |
| EB-4550 | 4500 | 4500 | EB-G6070W | 5500 | 5500 | EB-S17 | 2700 | 2700 |
| EB-4650 | 5200 | 5200 | EB-G6150 | 6500 | 6500 | EB-S18 | 2900 | 2900 |
| EB-4750W | 4200 | 4200 | EB-G6170 | 6500 | 6500 | EB-S27 | 2700 | 2700 |
| EB-4770W | 5000 | 5000 | EB-G6250W | 6500 | 6500 | EB-S29 | 3000 | 3000 |
| EB-4850WU | 4000 | 4000 | EB-G6270W | 6500 | 6500 | EB-S31 | 3200 | 3200 |
| EB-4950WU | 4500 | 4500 | EB-G6350 | 7000 | 7000 | EB-S39 | 3300 | 3300 |
| EB-520 | 2700 | 2700 | EB-G6370 | 7000 | 7000 | EB-S41 | 3300 | 3300 |
| EB-525W | 2800 | 2800 | EB-G6450WU | 4500 | 4500 | EB-U04 | 3000 | 3000 |
| EB-530 | 3200 | 3200 | EB-G6470WU | 4500 | 4500 | EB-U05 | 3400 | 3400 |
| EB-535W | 3400 | 3400 | EB-G6550WU | 5200 | 5200 | EB-U32 | 3200 | 3200 |
| EB-536Wi | 3400 | 3400 | EB-G6570WU | 5200 | 5200 | EB-U42 | 3600 | 3600 |
| EB-536WT | 3400 | 3400 | EB-G6650WU | 6000 | 6000 | EB-W03 | 2700 | 2700 |
| EB-5510 | 5500 | 5500 | EB-G6750WU | 6000 | 6000 | EB-W04 | 3000 | 3000 |
| EB-5520W | 5500 | 5500 | EB-G6770WU | 6000 | 6000 | EB-W05 | 3300 | 3300 |
| EB-5530U | 5500 | 5500 | EB-G6800 | 7000 | 7000 | EB-W8D | 2500 | 2500 |
| EB-570 | 2700 | 2700 | EB-G6870 | 7000 | 7000 | EB-W16 | 3000 | 3000 |
| EB-575Wi | 2700 | 2700 | EB-G6900WU | 6000 | 6000 | EB-W16SK | 6000 | 6000 |
| EB-580 | 3200 | 3200 | EB-G6970WU | 6000 | 6000 | EB-W22 | 3000 | 3000 |

Table 1: Continued

| | White Brightness | Color Brightness | | White Brightness | Color Brightness | | White Brightness | Color Brightness |
|--------------------------|---------------------|---------------------|----------------|---------------------|---------------------|------------|---------------------|---------------------|
| Epson (Continued) | | | EH-TW6700W | 3000 | 3000 | VPL-EW225 | 2600 | 2600 |
| EB-W28 | 3000 | 3000 | EH-TW6800 | 2800 | 2800 | VPL-EW246 | 3100 | 3100 |
| EB-W29 | 3000 | 3000 | EH-TW7200 | 2000 | 2000 | VPL-EW276 | 3700 | 3700 |
| EB-W31 | 3200 | 3200 | EH-TW7300 | 2300 | 2300 | VPL-EX225 | 2700 | 2700 |
| EB-W32 | 3200 | 3200 | EH-TW8200 | 2400 | 2400 | VPL-EX246 | 3200 | 3200 |
| EB-W39 | 3500 | 3500 | EH-TW8200W | 2400 | 2400 | VPL-EX276 | 3700 | 3700 |
| EB-W42 | 3600 | 3600 | EH-TW8300 | 2500 | 2500 | VPL-FH30 | 4300 | 4300 |
| EB-W420 | 3000 | 3000 | EH-TW8300W | 2500 | 2500 | VPL-FH31B | 4300 | 4300 |
| EB-X03 | 2700 | 2700 | EH-TW9200 | 2400 | 2400 | VPL-FH31W | 4300 | 4300 |
| EB-X04 | 2800 | 2800 | EH-TW9200W | 2400 | 2400 | VPL-FH36B | 5200 | 5200 |
| EB-X05 | 3300 | 3300 | EH-TW9300 | 2500 | 2500 | VPL-FH36W | 5200 | 5200 |
| EB-X18 | 3000 | 3000 | EH-TW9300W | 2500 | 2500 | VPL-FH500L | 7000 | 7000 |
| EB-X20 | 2700 | 2700 | Hitachi | | | VPL-FX30 | 4200 | 4200 |
| EB-X24 | 3200 | 3200 | CP-A222WN | 2200 | 2200 | VPL-FX35 | 5000 | 5000 |
| EB-X25 | 3500 | 3500 | CP-A352WN | 3500 | 3500 | VPL-FX37 | 6000 | 6000 |
| EB-X27 | 2700 | 2700 | CP-AW2519N | 2500 | 2500 | VPL-FX500L | 7000 | 7000 |
| EB-X29 | 3000 | 3000 | CP-AW2519NM | 2500 | 2500 | | | |
| EB-X30 | 3500 | 3500 | CP-AW252WN | 2500 | 2500 | | | |
| EB-X31 | 3200 | 3200 | CP-AW312WN | 3000 | 3000 | | | |
| EB-X39 | 3500 | 3500 | CP-D31N | 3000 | 3000 | | | |
| EB-X36 | 3600 | 3600 | CP-D32WN | 3200 | 3200 | | | |
| EB-X41 | 3600 | 3600 | CP-EW300 | 3000 | 3000 | | | |
| EB-Z9750WU | 7500 | 7500 | CP-SX8350 | 5000 | 5000 | | | |
| EB-Z9800W | 8300 | 8300 | CP-WU8440 | 4200 | 4200 | | | |
| EB-Z9870U | 8700 | 8700 | CP-WU8450 | 5000 | 5000 | | | |
| EB-Z9875U | 8700 | 8700 | CP-WU8460 | 6000 | 6000 | | | |
| EB-Z9900W | 9200 | 9200 | CP-WUX8441 | 5000 | 5000 | | | |
| EB-Z10000U | 10000 | 10000 | CP-WUX8460 | 6000 | 6000 | | | |
| EB-Z10005U | 10000 | 10000 | CP-WX2515WN | 2700 | 2700 | | | |
| EB-Z11000 | 11000 | 11000 | CP-WX3015WN | 3000 | 3000 | | | |
| EB-Z11000W | 11000 | 11000 | CP-WX3030WN | 3000 | 3000 | | | |
| EB-Z11005 | 11000 | 11000 | CP-WX4022WN | 4000 | 4000 | | | |
| EH-5600 | 2500 | 2500 | CP-WX8240 | 4000 | 4000 | | | |
| EH-5650 | 2500 | 2500 | CP-WX8240A | 4000 | 4000 | | | |
| EH-LS100 | 4000 | 4000 | CP-WX8255A | 5500 | 5500 | | | |
| EH-LS10000 | 1500 | 1500 | CP-X2521WN | 2700 | 2700 | | | |
| EH-LS10500 | 1500 | 1500 | CP-X2530WN | 2700 | 2700 | | | |
| EH-TW490 | 3000 | 3000 | CP-X3021WN | 3200 | 3200 | | | |
| EH-TW5100 | 1800 | 1800 | CP-X3030WN | 3200 | 3200 | | | |
| EH-TW5200 | 2000 | 2000 | CP-X4015WN | 4000 | 4000 | | | |
| EH-TW5210 | 2200 | 2200 | CP-X4022WN | 4000 | 4000 | | | |
| EH-TW530 | 3000 | 3000 | CP-X5022WN | 5000 | 5000 | | | |
| EH-TW5300 | 2200 | 2200 | CP-X8150 | 5000 | 5000 | | | |
| EH-TW5350 | 2200 | 2200 | CP-X8160 | 6000 | 6000 | | | |
| EH-TW570 | 3000 | 3000 | CP-X8170 | 7000 | 7000 | | | |
| EH-TW6100 | 2300 | 2300 | Sony | | | VPL-CW275 | 5100 | 5100 |
| EH-TW630 | 3300 | 3300 | VPL-CX275 | 5200 | 5200 | VPL-DW120 | 2600 | 2600 |
| EH-TW6300 | 2600 | 2600 | VPL-DW120 | 2600 | 2600 | VPL-DW126 | 2600 | 2600 |
| EH-TW640 | 3300 | 3300 | VPL-DX120 | 2600 | 2600 | VPL-DX140 | 3200 | 3200 |
| EH-TW650 | 3200 | 3200 | VPL-DX140 | 3200 | 3200 | VPL-DX146 | 3200 | 3200 |
| EH-TW6600 | 2500 | 2500 | | | | | | |
| EH-TW6600W | 2500 | 2500 | | | | | | |
| EH-TW6700 | 3000 | 3000 | | | | | | |

Table 2: Models Tested by 3rd Party Laboratory for Color Brightness

The manufacturers in table two have not provided Color Light Output (Color Brightness) specifications. These models were tested by third party laboratories (Intertek, Lumita, & TPR) in accordance with IDMS 15.4 in order to provide critical information to buyers.

| | White Brightness | Tested Color Brightness | | White Brightness | Tested Color Brightness | | White Brightness | Tested Color Brightness |
|-------------|------------------|-------------------------|------------|------------------|-------------------------|-----------|------------------|-------------------------|
| 3M | | | HT2050 | 2200 | 1450 | MW571 | 3200 | 670 |
| MP225A | 32 | 30 | HT2050A | 2200 | 1450 | MW612 | 4000 | 740 |
| AAXA | | | HT2150ST | 2200 | 1280 | MW621ST | 3000 | 530 |
| M6 | 1200 | 610 | HT2550 | 2200 | 1200 | MW632ST | 3200 | 600 |
| MP-300-03 | 550 | 150 | HT3050 | 2000 | 1130 | MW665 | 3200 | 650 |
| P2 Jr. | 55 | 30 | HT4050 | 2000 | 1230 | MW705 | 4000 | 840 |
| P3 | 50 | 20 | HT8050 | 2200 | 1500 | MW721 | 3500 | 810 |
| P300 | 300 | 140 | Joybee GP2 | 200 | 30 | MW727 | 4200 | 830 |
| P4-X | 95 | 40 | LU951ST | 5000 | 1500 | MW732 | 4000 | 850 |
| P450 | 450 | 190 | LU9715 | 8000 | 2900 | MW769 | 4200 | 950 |
| Acer | | | LW61ST | 2000 | 550 | MW814ST | 2500 | 770 |
| C120 | 100 | 90 | MH530 | 3200 | 670 | MW824ST | 3200 | 590 |
| H5360 | 2500 | 600 | MH530FHD | 3300 | 600 | MW843UST | 3000 | 560 |
| H5370BD | 2500 | 570 | MH535A | 3600 | 650 | MW851UST | 2500 | 460 |
| H5380BD | 3000 | 660 | MH630 | 3000 | 770 | MW853UST | 3200 | 860 |
| H6500 | 2100 | 720 | MH680 | 3000 | 700 | MW855UST | 3500 | 1050 |
| H6502BD | 3400 | 650 | MH733 | 4000 | 730 | MW860USTi | 3000 | 480 |
| H6510BD | 3000 | 580 | MH740 | 4000 | 730 | MW870UST | 3000 | 530 |
| H6810 | 3500 | 720 | MH741 | 4000 | 810 | MW883UST | 3300 | 700 |
| H7850 | 3000 | 870 | MH750 | 4500 | 820 | MX503 | 2700 | 830 |
| K132 | 500 | 130 | MH760 | 5000 | 1050 | MX505 | 3000 | 640 |
| P1173 | 3000 | 590 | MH856UST | 3500 | 1200 | MX511 | 2700 | 700 |
| P1185 | 3200 | 750 | MP512 | 2200 | 610 | MX518 | 2800 | 720 |
| P1273 | 3000 | 710 | MP515 | 2500 | 750 | MX520 | 3000 | 610 |
| P1283 | 3000 | 650 | MP522 | 2000 | 540 | MX522 | 3000 | 430 |
| P1383W | 3100 | 660 | MP522ST | 2000 | 590 | MX525 | 3200 | 430 |
| P1387W | 4500 | 850 | MP525P | 2500 | 840 | MX525A | 3300 | 560 |
| P1500 | 3000 | 530 | MP622 | 2700 | 1090 | MX570 | 3200 | 380 |
| P5271 | 3100 | 700 | MP622C | 2200 | 1010 | MX613ST | 2500 | 660 |
| P5515 | 4000 | 720 | MP780ST | 2500 | 600 | MX620ST | 3000 | 630 |
| P7505 | 5000 | 980 | MS502 | 2700 | 760 | MX632ST | 3200 | 490 |
| X110P | 2700 | 700 | MS504 | 3000 | 700 | MX660P | 3000 | 790 |
| X113PH | 3000 | 710 | MS510 | 2700 | 730 | MX661 | 3000 | 680 |
| X1161P | 2700 | 720 | MS513 | 2700 | 700 | MX711 | 3200 | 770 |
| X1163 | 3000 | 720 | MS514H | 3200 | 740 | MX723 | 3700 | 660 |
| X117H | 3600 | 750 | MS517 | 2800 | 700 | MX726 | 4000 | 870 |
| X1211K | 2500 | 670 | MS521 | 3000 | 460 | MX731 | 4000 | 600 |
| X123PH | 3000 | 670 | MS524 | 3200 | 670 | MX763 | 3700 | 830 |
| X1240 | 2700 | 650 | MS524A | 3300 | 720 | MX764 | 4200 | 980 |
| X1261P | 2700 | 640 | MS524AE | 3300 | 600 | MX806PST | 3000 | 560 |
| X1373WH | 3000 | 560 | MS535A | 3600 | 550 | MX810ST | 2500 | 490 |
| Acto | | | MS612ST | 2500 | 710 | MX815ST | 2700 | 720 |
| DX221ST | 3200 | 470 | MS614 | 2700 | 710 | MX816ST | 3000 | 640 |
| ASUS | | | MU686 | 3500 | 650 | MX819ST | 3000 | 520 |
| S1 | 200 | 120 | MU706 | 4000 | 720 | MX850UST | 2500 | 400 |
| BenQ | | | MW516 | 2800 | 670 | PU9530 | 6000 | 2000 |
| CH100 | 1000 | 800 | MW519 | 2800 | 700 | SH915 | 4000 | 780 |
| HC1200 | 2800 | 1740 | MW523 | 3000 | 430 | SH940 | 4000 | 1160 |
| HT1070 | 2000 | 1200 | MW526 | 3200 | 620 | SP840 | 4000 | 480 |
| HT1070A | 2200 | 900 | MW526A | 3300 | 660 | SU917 | 5000 | 900 |
| HT1075 | 2200 | 1390 | MW526AE | 3300 | 700 | SU922 | 5000 | 1280 |
| HT1085ST | 2200 | 1390 | MW529E | 3300 | 720 | SX920 | 5000 | 1150 |
| | | | MW535A | 3600 | 650 | TH530 | 3200 | 680 |

Table 2: Continued

| | White Brightness | Tested Color Brightness |
|-------------------------|------------------|-------------------------|
| BenQ (Continued) | | |
| TH670 | 3000 | 610 |
| TH671ST | 3000 | 700 |
| TH681 | 3000 | 840 |
| TH683 | 3200 | 620 |
| TK800 | 3000 | 550 |
| W1070 | 2000 | 1570 |
| W1080ST | 2000 | 1470 |
| W1090 | 2000 | 1500 |
| W1500 | 2200 | 1440 |
| W7000 | 2000 | 1500 |
| W770ST | 2500 | 680 |
| Canon | | |
| LV-S300 | 3000 | 620 |
| LV-WX300 | 3000 | 700 |
| LV-X300 | 3000 | 630 |
| LX-MU500Z | 5000 | 1750 |
| LX-MH502Z | 5000 | 1800 |
| LX-MU800Z | 8000 | 2900 |
| Casio | | |
| XJ-A130 | 2000 | 540 |
| XJ-A141 | 2500 | 1200 |
| XJ-A246 | 2500 | 1340 |
| XJ-A252 | 3000 | 1170 |
| XJ-A256 | 3000 | 1370 |
| XJ-F10X | 3300 | 1740 |
| XJ-F100W | 3500 | 1230 |
| XJ-F20XN | 3300 | 1580 |
| XJ-F210WN | 3500 | 1420 |
| XJ-H1700 | 4000 | 770 |
| XJ-M140 | 2500 | 1440 |
| XJ-M151 | 3000 | 1640 |
| XJ-M240 | 2500 | 1280 |
| XJ-M245 | 2500 | 1160 |
| XJ-M251 | 3000 | 1650 |
| XJ-ST145 | 2500 | 510 |
| XJ-UT310WN | 3100 | 1890 |
| XJ-UT351W | 3500 | 2180 |
| XJ-V1 | 2700 | 1360 |
| XJ-V10X | 3300 | 1790 |
| XJ-V100W | 3000 | 1580 |
| XJ-V110W | 3500 | 1990 |
| XJ-V2 | 3000 | 1670 |
| Christie | | |
| D13WU-HS | 13500 | 6000 |
| DHD400S | 3500 | 940 |
| DHD800 | 8000 | 2000 |
| Dell | | |
| 1220 | 2700 | 550 |
| 1409X | 2500 | 820 |
| 1450 | 3000 | 640 |
| 1510X | 3500 | 770 |
| 1610HD | 3500 | 910 |
| 2400MP | 3000 | 710 |

| | White Brightness | Tested Color Brightness |
|----------------|------------------|-------------------------|
| 4320 | 4300 | 1080 |
| M110 | 300 | 80 |
| M115HD | 450 | 120 |
| M900HD | 900 | 180 |
| S300wi | 2200 | 480 |
| S500wi | 3200 | 880 |
| S560 | 3400 | 800 |
| Hitachi | | |
| CP-DX250 | 2500 | 480 |
| CP-DX300 | 3000 | 650 |
| LP-WU3500 | 3500 | 1200 |
| LP-WU6500 | 5000 | 1800 |
| LP-WU9750B | 8000 | 2300 |
| InFocus | | |
| IN102 | 2500 | 740 |
| IN1110 | 2100 | 530 |
| IN1110a | 2100 | 550 |
| IN1112 | 2200 | 590 |
| IN1112a | 2200 | 530 |
| IN1116 | 2400 | 550 |
| IN1116LC | 2400 | 460 |
| IN1118HD | 2400 | 470 |
| IN112 | 2700 | 640 |
| IN112a | 3000 | 700 |
| IN112x | 3200 | 670 |
| IN112xa | 3500 | 600 |
| IN112xv | 3400 | 680 |
| IN114 | 2700 | 660 |
| IN114a | 3000 | 670 |
| IN114ST | 2700 | 560 |
| IN114x | 3200 | 640 |
| IN114xa | 3500 | 500 |
| IN114xv | 3400 | 500 |
| IN1146 | 1000 | 250 |
| IN116 | 2700 | 630 |
| IN116a | 3000 | 660 |
| IN116x | 3200 | 630 |
| IN116xa | 3500 | 600 |
| IN116xv | 3400 | 700 |
| IN118HDa | 3000 | 400 |
| IN119HDx | 3200 | 590 |
| IN122 | 3200 | 760 |
| IN122a | 3500 | 800 |
| IN124 | 3200 | 840 |
| IN124a | 3500 | 710 |
| IN124ST | 3000 | 690 |
| IN124x | 4000 | 830 |
| IN126 | 3200 | 810 |
| IN126ST | 3000 | 630 |
| IN126STa | 3300 | 700 |
| IN128HDx | 4000 | 670 |
| IN1338HD | 4000 | 690 |
| IN2102 | 2500 | 760 |
| IN2104 | 2500 | 650 |

| | White Brightness | Tested Color Brightness |
|-------------------|------------------|-------------------------|
| IN2112 | 3000 | 750 |
| IN2114 | 3000 | 760 |
| IN2116 | 3000 | 730 |
| IN2124 | 3200 | 800 |
| IN2124a | 3500 | 820 |
| IN2124x | 4200 | 760 |
| IN2126 | 3200 | 840 |
| IN2128HDa | 3500 | 740 |
| IN3102 | 3000 | 840 |
| IN3104 | 3500 | 1010 |
| IN3114 | 3500 | 910 |
| IN3116 | 3500 | 930 |
| IN3124 | 4800 | 1050 |
| IN3126 | 4000 | 760 |
| IN3128HD | 4000 | 590 |
| IN3138HD | 4000 | 720 |
| IN3138HDa | 4000 | 600 |
| IN3144 | 5000 | 850 |
| IN3148HD | 5000 | 1100 |
| IN35 | 2500 | 840 |
| IN37 | 3000 | 970 |
| IN3914 | 2700 | 730 |
| IN5312 | 4500 | 1190 |
| Work Big IN24+ | 2400 | 720 |
| Work Big IN26+ | 2400 | 640 |
| Work Big IN32 | 2000 | 940 |
| Work Big IN34 | 2500 | 670 |
| Work Big IN36 | 3000 | 870 |
| LG | | |
| BS-275 | 2700 | 700 |
| HF80JA | 2000 | 530 |
| PA75U | 700 | 230 |
| PA77U | 700 | 300 |
| PB63U | 500 | 220 |
| PF1000U | 1000 | 250 |
| PF1500 | 1400 | 400 |
| PH300W | 300 | 200 |
| PH550 | 550 | 300 |
| PW800 | 800 | 340 |
| Mimio | | |
| mimioProjector | 2800 | 550 |
| Miroir | | |
| M300A | 400 | 200 |
| Mitsubishi | | |
| EX240U | 2500 | 510 |
| HC1500 | 1600 | 720 |
| HC4000 | 1300 | 400 |
| HC7800D | 1500 | 1090 |
| HD4000U | 2000 | 690 |
| WD380U-EST | 2800 | 660 |
| XD211U | 2200 | 660 |
| XD221U | 2300 | 810 |
| XD221U-ST | 2000 | 650 |
| XD250U | 2700 | 1050 |
| XD3500U | 5000 | 940 |

Table 2: Continued

| | White Brightness | Tested Color Brightness | | White Brightness | Tested Color Brightness | | White Brightness | Tested Color Brightness |
|-------------------------------|---------------------|----------------------------|---------------|---------------------|----------------------------|------------|---------------------|----------------------------|
| Mitsubishi (Continued) | | | PX-803UL | 8000 | 2900 | GT760 | 3400 | 600 |
| XD360U-EST | 2500 | 350 | V311W | 3100 | 690 | H180X | 3000 | 660 |
| XD460U | 2600 | 850 | V311X | 3100 | 720 | H181X | 3200 | 580 |
| XD490U | 3000 | 780 | Optoma | | | H182X | 3200 | 760 |
| XD500U | 2200 | 640 | 4K550ST | 4500 | 1200 | HD131Xe | 2500 | 480 |
| XD700U | 5000 | 850 | DH1009 | 3200 | 590 | HD131Xw | 2500 | 650 |
| NEC | | | DH1011 | 3000 | 640 | HD141X | 3000 | 700 |
| NP110 | 2200 | 640 | DH1012 | 3200 | 780 | HD142X | 3000 | 700 |
| NP200 | 2100 | 480 | DS331 | 3200 | 500 | HD143X | 3000 | 560 |
| NP40 | 2200 | 830 | DS339 | 2600 | 760 | HD20 | 1700 | 1020 |
| NP4001 | 4500 | 1640 | DS550 | 2600 | 650 | HD23 | 2500 | 680 |
| NP4100 | 6200 | 1950 | DU380 | 3800 | 630 | HD25E | 2800 | 420 |
| NP50 | 2600 | 740 | DW326e | 3000 | 710 | HD25-LV | 3500 | 670 |
| NP60 | 3000 | 790 | DX326 | 2800 | 710 | HD26 | 3200 | 670 |
| NP61 | 3000 | 700 | DX346 | 3000 | 690 | HD27 | 3200 | 600 |
| NP-M282X | 2800 | 810 | DX550 | 2600 | 640 | HD27e | 3400 | 560 |
| NP-M283X | 2800 | 780 | EH200ST | 3000 | 500 | HD28DSE | 3000 | 630 |
| NP-M322W | 3200 | 810 | EH320USTi | 4000 | 660 | HD29Darbee | 3200 | 630 |
| NP-M322X | 3200 | 870 | EH330UST | 3600 | 950 | HD33 | 1800 | 940 |
| NP-M323W | 3200 | 950 | EH331 | 3300 | 640 | HD37 | 2600 | 1980 |
| NP-M323X | 3200 | 910 | EH341 | 3500 | 680 | HD39Darbee | 3500 | 1100 |
| NP-M333XS | 3300 | 920 | EH345 | 3200 | 670 | HD65 | 1600 | 650 |
| NP-M352WS | 3500 | 1020 | EH400+ | 4000 | 900 | HD66 | 2500 | 710 |
| NP-M353WS | 3500 | 900 | EH415 | 4200 | 800 | ML300 | 300 | 130 |
| NP-M363W | 3600 | 950 | EH415ST | 3500 | 800 | ML500 | 500 | 140 |
| NP-M363X | 3600 | 890 | EH416 | 4200 | 620 | ML550 | 500 | 150 |
| NP-M402H | 4000 | 1060 | EH500 | 4700 | 1000 | ML750 | 700 | 110 |
| NP-M402X | 4000 | 1030 | EH501 | 5000 | 430 | ML1000P | 1000 | 170 |
| NP-M403H | 4000 | 770 | EH503 | 5000 | 1190 | PK320 | 100 | 60 |
| NP-M403X | 4000 | 1000 | EH504 | 5000 | 1050 | PRO150S | 2800 | 810 |
| NP-P502H | 5000 | 1300 | EH512 | 5000 | 1500 | PRO160S | 3000 | 810 |
| NP-PE401H | 4000 | 1020 | EH615T | 6200 | 750 | PRO250X | 2800 | 740 |
| NP-PX750U | 7500 | 1250 | EH7700 | 7000 | 1900 | PRO260X | 3000 | 770 |
| NP-PX750U+ | 7500 | 660 | EP1691 | 2500 | 820 | PRO360W | 3000 | 820 |
| NP-PX800X | 8000 | 1890 | EP716 | 1800 | 510 | PT100 | 50 | 10 |
| NP-U260W | 2600 | 540 | EP719 | 2000 | 600 | PT110 | 100 | 20 |
| NP-U300X | 3000 | 770 | EP721 | 2200 | 550 | S303 | 3000 | 670 |
| NP-U310W | 3100 | 690 | EP727 | 2200 | 590 | S310e | 3200 | 730 |
| NP-U321H | 3200 | 650 | EP728 | 2700 | 810 | S316 | 3200 | 710 |
| NP-V260 | 2600 | 620 | EP771 | 3000 | 930 | S321 | 3200 | 570 |
| NP-V260W | 2600 | 620 | ES522 | 2800 | 660 | S341 | 3500 | 620 |
| NP-V260X | 2600 | 640 | EW1691e | 3000 | 770 | S343 | 3600 | 750 |
| NP-V300W | 3000 | 740 | EW536 | 2800 | 700 | TS526 | 2800 | 700 |
| NP-V300X | 3000 | 740 | EW695UT | 3500 | 780 | TS551 | 2800 | 640 |
| NP-V302H | 3000 | 530 | EX525ST | 2500 | 570 | TW766W | 4000 | 800 |
| NP-V332W | 3300 | 620 | EX530 | 2600 | 650 | TX536 | 2800 | 670 |
| NP-V332X | 3300 | 580 | EX532 | 2800 | 650 | TX542 | 2800 | 680 |
| NP-VE281 | 2800 | 590 | EX551 | 2800 | 640 | TX631-3D | 3500 | 850 |
| NP-VE281X | 2800 | 700 | EX685UT | 3000 | 620 | UHD50 | 2400 | 1000 |
| NP-VE303 | 3000 | 700 | EX765 | 4000 | 810 | UHD51A | 2400 | 1000 |
| NP-VE303X | 3000 | 630 | EX784 | 5000 | 1060 | UHD60 | 3000 | 1000 |
| P502HL | 5000 | 2000 | EX785 | 5000 | 1300 | UHD65 | 2200 | 1200 |
| P502HL-2 | 5000 | 1250 | GT1080 | 2800 | 500 | W303 | 3200 | 500 |
| PX-602UL | 6000 | 2200 | GT5500 | 3500 | 690 | W304M | 3100 | 780 |
| PX-750U2 | 7500 | 2200 | GT750e | 3000 | 950 | W305ST | 3200 | 490 |

Table 2: Continued

| | White Brightness | Tested Color Brightness |
|---------------------------|------------------|-------------------------|
| Optoma (Continued) | | |
| W306ST | 3500 | 730 |
| W307UST | 3500 | 660 |
| W311 | 3200 | 490 |
| W312 | 3200 | 710 |
| W316 | 3400 | 660 |
| W316ST | 3400 | 640 |
| W331 | 3200 | 620 |
| W335 | 3800 | 650 |
| W341 | 3600 | 780 |
| W345 | 3300 | 710 |
| W351 | 3800 | 810 |
| W355 | 3600 | 720 |
| W400 | 4000 | 900 |
| W415 | 4500 | 800 |
| W416 | 4500 | 650 |
| W512 | 5500 | 1400 |
| WU334 | 3600 | 700 |
| WU416 | 4200 | 630 |
| WU465 | 4800 | 960 |
| WU515 | 6000 | 1300 |
| X303 | 3000 | 410 |
| X304M | 3000 | 620 |
| X305ST | 3000 | 540 |
| X306ST | 3200 | 680 |
| X312 | 3200 | 610 |
| X313 | 3000 | 710 |
| X316 | 3200 | 590 |
| X341 | 3300 | 560 |
| X343 | 3600 | 650 |
| X345 | 3200 | 670 |
| X351 | 3600 | 700 |
| X355 | 3500 | 680 |
| X400+ | 4000 | 780 |
| X416 | 4300 | 800 |
| X600 | 6000 | 1070 |
| X605 | 6000 | 1500 |
| ZH510T | 5000 | 1200 |
| ZU510T | 5300 | 1100 |
| ZU510T-W | 5500 | 1700 |
| ZW210ST | 2000 | 410 |
| ZW212ST | 2500 | 390 |
| ZX210ST | 2000 | 360 |
| ZX212ST | 2500 | 280 |
| Panasonic | | |
| PT-CW230EA | 2500 | 550 |
| PT-D5700U | 6000 | 3050 |
| PT-DW830UW | 8500 | 3400 |
| PT-DZ570U | 4000 | 2240 |
| PT-DZ6710 | 6000 | 2990 |
| PT-DZ770UK | 7000 | 2340 |
| PT-DZ780B | 7000 | 3200 |
| PT-DZ870UK | 8500 | 3700 |
| PT-JW130H | 1000 | 600 |

| | White Brightness | Tested Color Brightness |
|-------------------|------------------|-------------------------|
| PT-JX200HWU | 2000 | 1200 |
| PT-LS26U | 2600 | 670 |
| PT-RW330U | 3500 | 750 |
| PT-RW430UK | 3500 | 800 |
| PT-RZ120 | 16000 | 7200 |
| PT-RZ370U | 3500 | 840 |
| PT-RZ470UW | 3500 | 830 |
| PT-RZ570 | 5200 | 2700 |
| PT-RZ570BU | 5400 | 2050 |
| PT-RZ670U | 6500 | 3700 |
| PT-RZ970 | 9400 | 5200 |
| PT-SD2600C | 2600 | 670 |
| Philips | | |
| PicoPix PPX2340 | 40 | 30 |
| Promethean | | |
| PRM-35 | 2500 | 600 |
| Ricoh | | |
| PJ HD5450 | 3500 | 730 |
| PJ S2240 | 3000 | 710 |
| PJ WX2240 | 3100 | 700 |
| PJ WX4240N | 3000 | 540 |
| PJ X2240 | 3000 | 690 |
| Sharp | | |
| PG-F212X | 2300 | 860 |
| PG-LW2000 | 2800 | 770 |
| PG-LW3000 | 3000 | 870 |
| PG-LX2000 | 2800 | 790 |
| XR-30X | 2300 | 740 |
| XR-32X | 2500 | 750 |
| XR-41X | 2600 | 660 |
| Smart | | |
| LightRaise 40Wi | 2500 | 750 |
| LightRaise 60Wi | 2500 | 620 |
| SLR60Wi2 | 3000 | 670 |
| UX60 | 2000 | 730 |
| Toshiba | | |
| TDP-T45U | 2500 | 670 |
| ViewSonic | | |
| LS820 | 3500 | 1460 |
| PA502S | 3500 | 750 |
| PA502X | 3500 | 780 |
| PA503S | 3600 | 790 |
| PA503W | 3600 | 760 |
| PA503X | 3600 | 770 |
| PG703W | 4000 | 910 |
| PG703X | 4000 | 850 |
| PG705HD | 4000 | 710 |
| PG800HD | 5000 | 1100 |
| PJ506D | 2000 | 630 |
| PJD5123 | 2700 | 730 |
| PJD5132 | 2800 | 730 |
| PJD5133 | 2700 | 700 |
| PJD5134 | 3000 | 670 |
| PJD5153 | 3200 | 770 |

| | White Brightness | Tested Color Brightness |
|----------------|------------------|-------------------------|
| PJD5155 | 3300 | 900 |
| PJD5223 | 2700 | 680 |
| PJD5232 | 2800 | 580 |
| PJD5233 | 2700 | 640 |
| PJD5234 | 2800 | 640 |
| PJD5234L | 3000 | 690 |
| PJD5255 | 3300 | 940 |
| PJD5255L | 3300 | 850 |
| PJD5353LS | 3200 | 830 |
| PJD5523W | 2700 | 620 |
| PJD5533W | 2800 | 740 |
| PJD5553LWS | 3200 | 840 |
| PJD5555W | 3300 | 860 |
| PJD6220 | 2300 | 640 |
| PJD6252L | 3300 | 650 |
| PJD6350 | 3300 | 730 |
| PJD6352LS | 3200 | 850 |
| PJD6383S | 3000 | 720 |
| PJD6531W | 3000 | 940 |
| PJD6544W | 3500 | 750 |
| PJD6552LWS | 3200 | 890 |
| PJD6553W | 3500 | 870 |
| PJD6683WS | 3000 | 830 |
| PJD7525W | 4000 | 1020 |
| PJD7533W | 4000 | 710 |
| PJD7583W | 3000 | 730 |
| PJD7720HD | 3200 | 730 |
| PJD7820HD | 3000 | 830 |
| PJD7822HDL | 3200 | 750 |
| PJD7828HDL | 3200 | 770 |
| PLED-W500 | 500 | 120 |
| PLED-W600 | 600 | 250 |
| PLED-W800 | 800 | 250 |
| Pro7827HD | 2200 | 1310 |
| Pro8200 | 2000 | 780 |
| Pro8300 | 3000 | 720 |
| Pro8400 | 4000 | 1030 |
| Pro8450W | 4500 | 980 |
| Pro8500 | 5000 | 1300 |
| Pro8520HD | 5000 | 780 |
| PS600W | 3500 | 600 |
| PS750HD | 3000 | 600 |
| PX747-4K | 3500 | 730 |
| Vivitek | | |
| D512-3D | 2600 | 560 |
| D5280 | 4500 | 900 |
| D530 | 3200 | 790 |
| D535 | 3200 | 620 |
| D536-3D | 3200 | 610 |
| D537W | 3200 | 720 |
| D538W-3D | 3200 | 680 |
| D554 | 3000 | 650 |
| D555 | 3000 | 670 |
| D557WH | 3000 | 640 |
| D791ST | 3000 | 340 |

Table 2: Continued

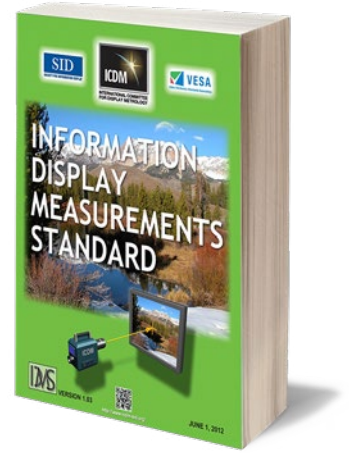
| | White Brightness | Tested Color Brightness |
|----------------------------|---------------------|----------------------------|
| Vivitek (Continued) | | |
| D795WT | 3000 | 320 |
| D803W-3D | 3600 | 680 |
| D832MX | 3200 | 780 |
| D865W | 4000 | 670 |
| D910HD | 3000 | 710 |
| D940VX | 4300 | 930 |
| D966HD | 4500 | 910 |
| DH758USTiR | 3500 | 700 |
| DW868 | 4500 | 760 |
| H1180HD | 2000 | 880 |
| H1186 | 2000 | 1490 |
| HK2288 | 2000 | 930 |
| Qumi Q2 | 300 | 50 |
| Qumi Q3 Plus | 500 | 200 |
| Qumi Q5 | 500 | 80 |
| Qumi Q6 | 800 | 130 |
| Qumi Q7 | 800 | 130 |
| XGIMI | | |
| H2 | 1350 | 800 |
| Z6 | 500 | 400 |
| ZTE | | |
| Spro 2 | 200 | 190 |

What's behind this new Color Brightness standard?

Color Light Output, or simply Color Brightness, measures the illuminance of the color primaries Red, Green and Blue. The technical details of this measurement methodology are defined in the newly available Information Display Measurements Standard published by the Society for Information Displays.

The authors of this important standards document were volunteers from all corners of the display industry. These experts carefully examined each of the nearly 200 display metrics in the document to make sure each was relevant, scientifically valid, and worth including in the document.

The Society for Information Displays (SID) is a globally recognized organization working to help educate technical members of the display industry. SID was founded as a Professional Society back in 1962. SID is made up today of about 5,000 display professionals.



More information about this document can be found at: <http://www.icdm-sid.org/>

Why does the standard only measure Red, Green and Blue? What about all the other colors?

Computers and media players define colors as relative levels of Red, Green and Blue. For example, yellow is stored inside the computer as bright red, bright green and no blue.

Regardless of how the projector may create its image, the standard input signal is based on Red, Green and Blue and therefore it's important to measure these standard color primaries.

What does the Brightness metric we've used for years represent?

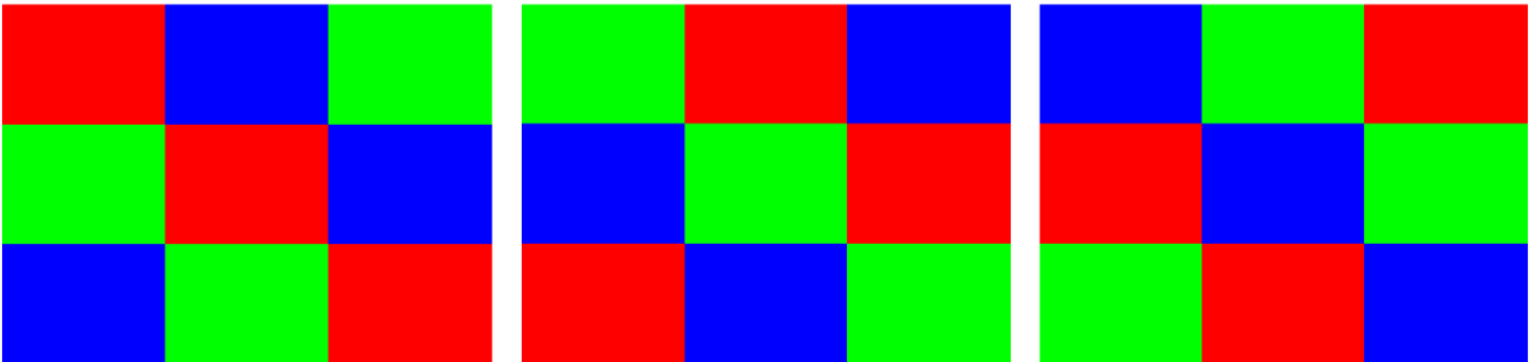
Brightness, or technically Light Output, is only a measurement of white light. To measure brightness, projector makers will take nine brightness readings across the entire image. The average of the nine measurements is multiplied by the screen area in square meters to determine the projector's lumen output.

How is Color Brightness measured?

Color Light Output is measured almost exactly the same way as "Brightness" or white light output...but instead of measuring white light, the primary colors are measured.

Instead of just nine measurements, there are total of 27 measurements taken, with the three sample images below.

The brightness of Red, Green and Blue are averaged, summed and multiplied by the screen area to determine the total amount of Color Brightness.



¹ The data in Table 1 was obtained from Projector Central based on information available from these manufacturers.

² The White Brightness data in Table 2 was obtained through Projector Central, as specified by the manufacturers. These manufacturers do not provide Color Brightness (Color Light Output) data. Color Brightness was determined in compliance with IDMS 15.4 by 3rd party laboratory testing of a single unit of each model. Serial numbers available upon request.