



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.

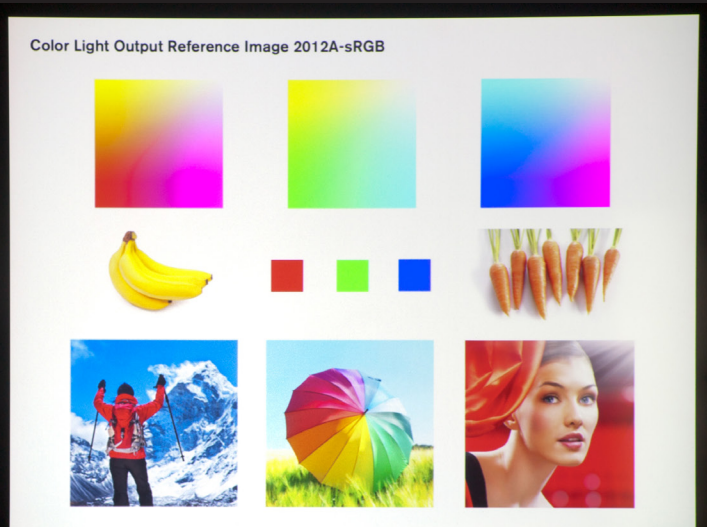
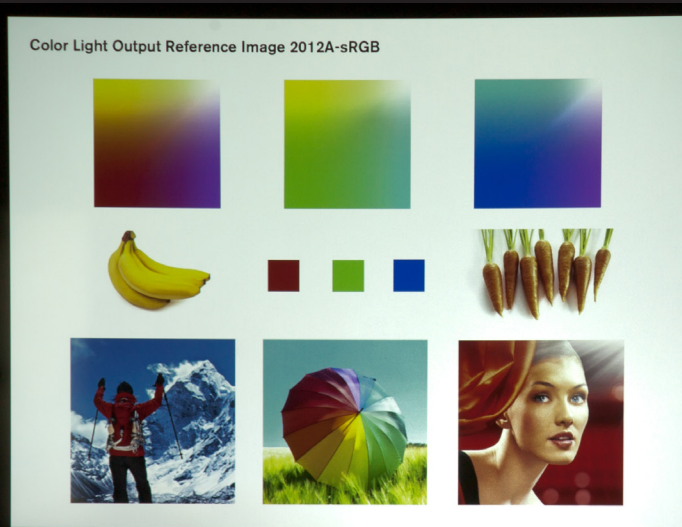
The projector on the left exhibits low Color Brightness; only a fraction of its white brightness. The one on the right shows equal amounts of Color and White Brightness. Colors on the right are much brighter, providing more impact.

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			EX3220	3000	3000	PowerLite 119W	4000	4000
ImagePro 8104	2500	2500	EX3240	3200	3200	PowerLite 1221	2800	2800
ImagePro 8107	2500	2500	EX3260	3300	3300	PowerLite 1222	3000	3000
ImagePro 8112	3000	3000	EX3280	3600	3600	PowerLite 1224	3200	3200
ImagePro 8755	2400	2400	EX5210	2800	2800	PowerLite 1261W	2800	2800
ImagePro 8928	2700	2700	EX5220	3000	3000	PowerLite 1262W	3000	3000
ImagePro 8930	3200	3200	EX5230	3500	3500	PowerLite 1263W	3000	3000
ImagePro 8931	3000	3000	EX5240	3200	3200	PowerLite 1264	3200	3200
ImagePro 8932	3200	3200	EX5250	3600	3600	PowerLite 1266	3600	3600
ImagePro 8933	3000	3000	EX5260	3600	3600	PowerLite 1284	3200	3200
ImagePro 8957	4000	4000	EX5280	3800	3800	PowerLite 1286	3600	3600
ImagePro 8958	4000	4000	EX6210	2700	2700	PowerLite 1288	4000	4000
ImagePro 8959	5000	5000	EX6220	3000	3000	PowerLite 1751	2600	2600
ImagePro 8970	5000	5000	EX7210	2800	2800	PowerLite 1761W	2600	2600
ImagePro 8971	6000	6000	EX7220	3000	3000	PowerLite 1770W	3000	3000
ImagePro 8972	4000	4000	EX7230	3000	3000	PowerLite 1771W	3000	3000
ImagePro 8973	5500	5500	EX7235	3000	3000	PowerLite 1776W	3000	3000
ImagePro 8974	4200	4200	EX7240	3200	3200	PowerLite 1780W	3000	3000
ImagePro 8975	5000	5000	EX7260	3600	3600	PowerLite 1781W	3200	3200
ImagePro 8977	7000	7000	EX7280	4000	4000	PowerLite 1785W	3200	3200
ImagePro 8979	6000	6000	EX9200	3200	3200	PowerLite 1795F	3200	3200
Epson			EX9210	3400	3400	PowerLite 1835	3500	3500
BrightLink 436Wi	3000	3000	EX9220	3600	3600	PowerLite 1850W	3700	3700
BrightLink 450Wi	2500	2500	EX9230	3500	3500	PowerLite 1880	4000	4000
BrightLink 475Wi	2600	2600	EX9240	4000	4000	PowerLite 1925W	4000	4000
BrightLink 485Wi	3100	3100	EV-100	2000	2000	PowerLite 1930	4200	4200
BrightLink 536Wi	3400	3400	EV-105	2000	2000	PowerLite 1940W	4200	4200
BrightLink 575Wi	2700	2700	EV-110	2200	2200	PowerLite 1945W	4200	4200
BrightLink 585Wi	3300	3300	EV-115	2200	2200	PowerLite 1950	4500	4500
BrightLink 595Wi	3300	3300	HC 1080	3400	3400	PowerLite 1955	4500	4500
BrightLink 685Wi	3500	3500	HC 2200	2700	2700	PowerLite 1960	5000	5000
BrightLink 695Wi	3500	3500	HC 2250	2700	2700	PowerLite 1965	5000	5000
BrightLink 696Ui	3800	3800	HC 3200	3000	3000	PowerLite 1975W	5000	5000
BrightLink 697Ui	4400	4400	HC 3800	3000	3000	PowerLite 1980WU	4400	4400
BrightLink 710Ui	4000	4000	HC 3810	3000	3000	PowerLite 1985WU	4800	4800
BrightLink 1480Fi	5000	5000	HC 4010	2400	2400	PowerLite 2040	4200	4200
BrightLink 1480Fi+	5000	5000	HC 5040B	2600	2600	PowerLite 2042	4400	4400
BrightLink 1485Fi	5000	5000	HC 5050UB	2600	2600	PowerLite 2065	5500	5500
BrightLink 1485Fi+	5000	5000	LS300	3600	3600	PowerLite 2140W	4200	4200
BrightLink Pro 1410Wi	3100	3100	LS500	4000	4000	PowerLite 2142W	4200	4200
BrightLink Pro 1420Wi	3300	3300	MegaPlex MG-850HD	2800	2800	PowerLite 2155W	5000	5000
BrightLink Pro 1430Wi	3300	3300	MovieMate 85HD	2500	2500	PowerLite 2165W	5500	5500
BrightLink Pro 1450Ui	3800	3800	PC 4040	2200	2200	PowerLite 2245U	4200	4200
BrightLink Pro 1460Ui	4400	4400	PC 4050	2400	2400	PowerLite 2247U	4200	4200
BrightLink Pro 1470Ui	4000	4000	PC 6040UB	2500	2500	PowerLite 2250U	5000	5000
EF-100	2000	2000	PC 6050UB	2600	2600	PowerLite 2255U	5000	5000
EF-100W/B	2000	2000	PC LS10500	1500	1500	PowerLite 2265U	5500	5500
EF11	1000	1000	PowerLite 107	3500	3500	PowerLite 4100	4500	4500
EF12	1000	1000	PowerLite 108	3700	3700	PowerLite 420	2500	2500
EX10000	4500	4500	PowerLite 109W	4000	4000	PowerLite 4200W	4500	4500
EX3212	2800	2800	PowerLite 118	3800	3800	PowerLite 425W	2500	2500

Table 1: Continued

	White Brightness	Color Brightness		White Brightness	Color Brightness		White Brightness	Color Brightness
Epson (Continued)			PowerLite FH52+	4000	4000	PL HC 3500	2500	2500
PowerLite 430	3000	3000	PowerLite L400U	4500	4500	PL HC 3600e	2500	2500
PowerLite 4300	5200	5200	PowerLite L500W	5000	5000	PL HC 3700	3000	3000
PowerLite 435W	3000	3000	PowerLite L510U	5000	5000	PL HC 3900	2700	2700
PowerLite 4650	5200	5200	PowerLite L520U	5200	5200	PL HC 4000	2200	2200
PowerLite 470	2600	2600	PowerLite L520W	5200	5200	PL HC 500	2600	2600
PowerLite 475W	2600	2600	PowerLite L530U	5200	5200	PL HC 5010	2400	2400
PowerLite 4750W	4200	4200	PowerLite L610	6000	6000	PL HC 5020UB	2400	2400
PowerLite 4770W	5000	5000	PowerLite L610U	6000	6000	PL HC 5020UBe	2400	2400
PowerLite 480	3000	3000	PowerLite L610W	6000	6000	PL HC 5030UB	2400	2400
PowerLite 485W	3100	3100	PowerLite L615U	6000	6000	PL HC 5030UBe	2400	2400
PowerLite 4855WU	4000	4000	PowerLite L630SU	6000	6000	PL HC 5040UB	2500	2500
PowerLite 520	2700	2700	PowerLite L630U	6200	6200	PL HC 5040UBe	2500	2500
PowerLite 525W	2800	2800	PowerLite L635SU	6000	6000	PL HC 640	3200	3200
PowerLite 530	3200	3200	PowerLite L730U	7000	7000	PL HC 660	3300	3300
PowerLite 535W	3400	3400	PowerLite L735U	7000	7000	PL HC 707	2700	2700
PowerLite 5510	5500	5500	PowerLite S11	2600	2600	PL HC 710HD	2800	2800
PowerLite 5520W	5500	5500	PowerLite S17	2700	2700	PL HC 725HD	2800	2800
PowerLite 5530U	5500	5500	PowerLite S27	2700	2700	PL HC 730HD	3000	3000
PowerLite 5535U	5500	5500	PowerLite S39	3300	3300	PL HC 740HD	3000	3000
PowerLite 570	2700	2700	PowerLite W06+	3700	3700	PL HC 750HD	3000	3000
PowerLite 575W	2700	2700	PowerLite W16	3000	3000	PL HC 760HD	3300	3300
PowerLite 580	3200	3200	PowerLite W16SK	6000	6000	PL HC 8345	1800	1800
PowerLite 585W	3300	3300	PowerLite W17	2800	2800	PL HC 8350	2000	2000
PowerLite 675W	3200	3200	PowerLite W29	3000	3000	PL HC LS100	4000	4000
PowerLite 680	3500	3500	PowerLite W39	3500	3500	PL Presenter	2500	2500
PowerLite 685W	3500	3500	PowerLite W49	3800	3800	PL Pro C4030	2000	2000
PowerLite 700U	4000	4000	PowerLite W52+	4000	4000	PL Pro C6020UB	2400	2400
PowerLite 905	3000	3000	PowerLite W70	2000	2000	PL Pro C6030UB	2400	2400
PowerLite 915W	3200	3200	PowerLite W75	2000	2000	PL Pro C9350	2000	2000
PowerLite 93+	2600	2600	PowerLite X06+	3600	3600	PL Pro G5450WU	4000	4000
PowerLite 935W	3700	3700	PowerLite X12	2800	2800	PL Pro G5550	4500	4500
PowerLite 95	2600	2600	PowerLite X15	3000	3000	PL Pro G5650W	4500	4500
PowerLite 955WH	3200	3200	PowerLite X17	2700	2700	PL Pro G6050W	5500	5500
PowerLite 965	3500	3500	PowerLite X27	2700	2700	PL Pro G6070W	5500	5500
PowerLite 965H	3500	3500	PowerLite X39	3500	3500	PL Pro G6150	6500	6500
PowerLite 96W	2700	2700	PowerLite X49	3600	3600	PL Pro G6170	6500	6500
PowerLite 97	2700	2700	PowerLite X51+	3800	3800	PL Pro G6270W	6500	6500
PowerLite 97H	2700	2700	PL HC 1040	3000	3000	PL Pro G6450WU	4500	4500
PowerLite 970	4000	4000	PL HC 1060	3200	3200	PL Pro G6470WU	4500	4500
PowerLite 975W	3600	3600	PL HC 1440	4400	4400	PL Pro G6550WU	5200	5200
PowerLite 98	2700	2700	PL HC 1450	4200	4200	PL Pro G6570WU	5200	5200
PowerLite 98H	3000	3000	PL HC 2000	1800	1800	PL Pro G6750WU	6000	6000
PowerLite 980W	3800	3800	PL HC 2030	2000	2000	PL Pro G6770WU	6000	6000
PowerLite 982W	4200	4200	PL HC 2040	2200	2200	PL Pro G6800	7000	7000
PowerLite 99W	3000	3000	PL HC 2045	2200	2200	PL Pro G6870	7000	7000
PowerLite 99WH	3000	3000	PL HC 2100	2500	2500	PL Pro G6900WU	6000	6000
PowerLite 990U	3800	3800	PL HC 2150	2500	2500	PL Pro G6970WU	6000	6000
PowerLite 992F	4000	4000	PL HC 3000	2300	2300	PL Pro G7000W	6500	6500
PowerLite D6150	3500	3500	PL HC 3010e	2200	2200	PL Pro G7100	6500	6500
PowerLite D6155W	3500	3500	PL HC 3020	2300	2300	PL Pro G7200W	7500	7500
PowerLite D6250	4000	4000	PL HC 3020e	2300	2300	PL Pro G7400U	5500	5500
PowerLite E20	3400	3400	PL HC 3100	2600	2600	PL Pro G7500U	6500	6500

Table 1: Continued

	White Brightness	Color Brightness		White Brightness	Color Brightness		White Brightness	Color Brightness
Epson (Continued)			VS345	3000	3000	EB-4850WU	4000	4000
PL Pro G7805	8000	8000	VS350	3300	3300	EB-4950WU	4500	4500
PL Pro G7900U	7000	7000	VS350W	3700	3700	EB-520	2700	2700
PL Pro G7905U	7000	7000	VS355	3300	3300	EB-525W	2800	2800
PL Pro L1100U	6000	6000	VS410	4000	4000	EB-530	3200	3200
PL Pro L1200U	7000	7000	EB-107	3500	3500	EB-535W	3400	3400
PL Pro L1300U	8000	8000	EB-108	3700	3700	EB-536Wi	3400	3400
PL Pro L1405U	8000	8000	EB-109W	4000	4000	EB-536WT	3400	3400
PL Pro L1500U	12000	12000	EB-1420Wi	3300	3300	EB-5510	5500	5500
PL Pro L1505U	12000	12000	EB-1430Wi	3300	3300	EB-5520W	5500	5500
PL Pro L1715S	15000	15000	EB-1440Ui	3800	3800	EB-5530U	5500	5500
PL Pro L1750U	15000	15000	EB-1450Ui	3800	3800	EB-570	2700	2700
PL Pro L1755U	15000	15000	EB-1460Ui	4400	4400	EB-575Wi	2700	2700
PL Pro L25000U	25000	25000	EB-1470Ui	4000	4000	EB-580	3200	3200
PL Pro Z8000WUNL	6000	6000	EB-1480Fi	5000	5000	EB-585W	3300	3300
PL Pro Z8050WNL	7000	7000	EB-1485Fi	5000	5000	EB-585Wi	3300	3300
PL Pro Z8150NL	8000	8000	EB-1751	2600	2600	EB-590WT	3300	3300
PL Pro Z8250NL	10000	10000	EB-1761W	2600	2600	EB-595Wi	3300	3300
PL Pro Z8255NL	10000	10000	EB-1771W	3000	3000	EB-670	3100	3100
PL Pro Z8350WNL	8500	8500	EB-1776W	3000	3000	EB-675Wi	3200	3200
PL Pro Z8450WUNL	7000	7000	EB-1780W	3000	3000	EB-680	3500	3500
PL Pro Z8455WUNL	7000	7000	EB-1781W	3200	3200	EB-680Wi	3500	3500
PL Pro Z9750UNL	7500	7500	EB-1785W	3200	3200	EB-685W	3500	3500
PL Pro Z9800WNL	8300	8300	EB-1795F	3200	3200	EB-685Wi	3500	3500
PL Pro Z9870NL	8700	8700	EB-1930	4200	4200	EB-695Wi	3500	3500
PL Pro Z9870UNL	8700	8700	EB-1935	4200	4200	EB-696Ui	3800	3800
PL Pro Z9900WNL	9200	9200	EB-1940W	4200	4200	EB-700U	4000	4000
PL Pro Z10000UNL	10000	10000	EB-1945W	4200	4200	EB-710Ui	4000	4000
PL Pro Z10005UNL	10000	10000	EB-1950	4500	4500	EB-720	3800	3800
PL Pro Z11000WNL	11000	11000	EB-1955	4500	4500	EB-725W	4000	4000
PL Pro Z11005NL	11000	11000	EB-1960	5000	5000	EB-725Wi	4000	4000
Pro L1060U	6000	6000	EB-1965	5000	5000	EB-735F	3600	3600
Pro L1060W	6000	6000	EB-1970W	5000	5000	EB-735Fi	3600	3600
Pro L1070U	7000	7000	EB-1975W	5000	5000	EB-750F	3600	3600
Pro L1070W	7000	7000	EB-1980WU	4400	4400	EB-755F	3600	3600
Pro L1075U	7000	7000	EB-1985WU	4800	4800	EB-800F	5000	5000
Pro L12000Q	12000	12000	EB-2040	4200	4200	EB-805F	5000	5000
Pro L12002Q	12000	12000	EB-2042	4400	4400	EB-935W	3700	3700
Pro L1490U	9000	9000	EB-2055	5000	5000	EB-940H	3000	3000
Pro L1495U	9000	9000	EB-2065	5500	5500	EB-945	3000	3000
Pro L20000U	15000	15000	EB-2140W	4200	4200	EB-945H	3000	3000
Pro L20002U	15000	15000	EB-2142W	4200	4200	EB-950WH	3000	3000
VS210	2600	2600	EB-2155W	5000	5000	EB-950WHV	3000	3000
VS220	2700	2700	EB-2165W	5500	5500	EB-955W	3000	3000
VS230	2800	2800	EB-2245U	4200	4200	EB-955WH	3200	3200
VS240	3000	3000	EB-2247U	4200	4200	EB-965	3500	3500
VS250	3200	3200	EB-2250U	5000	5000	EB-965H	3500	3500
VS260	3300	3300	EB-2255U	5000	5000	EB-97H	2700	2700
VS315W	2600	2600	EB-2265U	5500	5500	EB-970	4000	4000
VS320	2700	2700	EB-4550	4500	4500	EB-972	4100	4100
VS330	2700	2700	EB-4650	5200	5200	EB-98	3000	3000
VS335W	2700	2700	EB-4750W	4200	4200	EB-98H	3000	3000
VS340	2800	2800	EB-4770W	5000	5000	EB-980W	3800	3800

Table 1: Continued

	White Brightness	Color Brightness		White Brightness	Color Brightness		White Brightness	Color Brightness
Epson (Continued)			EB-L1300U	8000	8000	EB-PU2216B	16000	16000
EB-982W	4200	4200	EB-L1405U	8000	8000	EB-PU2220B	20000	20000
EB-99WH	3000	3000	EB-L1490U	9000	9000	EB-S03	2700	2700
EB-990U	3800	3800	EB-L1495U	9000	9000	EB-S04	3000	3000
EB-992F	4000	4000	EB-L1500U	12000	12000	EB-S05	3200	3200
EB-D6150	3500	3500	EB-L15000U	12000	12000	EB-S17	2700	2700
EB-D6155W	3500	3500	EB-L1505U	12000	12000	EB-S18	2900	2900
EB-D6250	4000	4000	EB-L1510S	12000	12000	EB-S27	2700	2700
EB-E01	3300	3300	EB-L1515S	12000	12000	EB-S29	3000	3000
EB-E10	3600	3600	EB-L1710S	15000	15000	EB-S31	3200	3200
EB-E20	3400	3400	EB-L1715S	15000	15000	EB-S39	3300	3300
EB-FH06	3500	3500	EB-L1750U	15000	15000	EB-S41	3300	3300
EB-FH52	4000	4000	EB-L1755U	15000	15000	EB-U04	3000	3000
EB-G6050W	5500	5500	EB-L200F	4500	4500	EB-U05	3400	3400
EB-G6070W	5500	5500	EB-L200SW	3800	3800	EB-U32	3200	3200
EB-G6150	6500	6500	EB-L200SX	3600	3600	EB-U42	3600	3600
EB-G6170	6500	6500	EB-L200W	4200	4200	EB-U50	3700	3700
EB-G6250W	6500	6500	EB-L200X	4200	4200	EB-W01	3000	3000
EB-G6270W	6500	6500	EB-L250F	4500	4500	EB-W03	2700	2700
EB-G6350	7000	7000	EB-L255F	4500	4500	EB-W04	3000	3000
EB-G6370	7000	7000	EB-L20000U	15000	15000	EB-W05	3300	3300
EB-G6450WU	4500	4500	EB-L25000U	25000	25000	EB-W06	3700	3700
EB-G6470WU	4500	4500	EB-L30000U	30000	30000	EB-W8D	2500	2500
EB-G6550WU	5200	5200	EB-L30002U	30000	30000	EB-W16	3000	3000
EB-G6570WU	5200	5200	EB-L400U	4500	4500	EB-W16SK	6000	6000
EB-G6650WU	6000	6000	EB-L500W	5000	5000	EB-W22	3000	3000
EB-G6750WU	6000	6000	EB-L510U	5000	5000	EB-W28	3000	3000
EB-G6770WU	6000	6000	EB-L520U	5200	5200	EB-W29	3000	3000
EB-G6800	7000	7000	EB-L520W	5200	5200	EB-W31	3200	3200
EB-G6870	7000	7000	EB-L530U	5200	5200	EB-W32	3200	3200
EB-G6900WU	6000	6000	EB-L550U	5200	5200	EB-W39	3500	3500
EB-G6970WU	6000	6000	EB-L610	6000	6000	EB-W42	3600	3600
EB-G7000W	6500	6500	EB-L610U	6000	6000	EB-W420	3000	3000
EB-G7100	6500	6500	EB-L610W	6000	6000	EB-W49	3800	3800
EB-G7200W	7500	7500	EB-L615U	6000	6000	EB-W50	3800	3800
EB-G7400U	5500	5500	EB-L630SU	6000	6000	EB-W52	4000	4000
EB-G7500U	6500	6500	EB-L630U	6200	6200	EB-W70	2000	2000
EB-G7800	8000	8000	EB-L635SU	6000	6000	EB-W75	2000	2000
EB-G7805	8000	8000	EB-L730U	7000	7000	EB-X03	2700	2700
EB-G7900	7000	7000	EB-L735U	7000	7000	EB-X04	2800	2800
EB-G7900U	7000	7000	EB-L770U	7000	7000	EB-X05	3300	3300
EB-G7905U	7000	7000	EB-L775U	7000	7000	EB-X06	3600	3600
EB-L1050U	5500	5500	EB-PU1006W	6000	6000	EB-X18	3000	3000
EB-L1060U	6000	6000	EB-PU1007B	7000	7000	EB-X20	2700	2700
EB-L1060W	6000	6000	EB-PU1007W	7000	7000	EB-X24	3200	3200
EB-L1065U	6000	6000	EB-PU1008B	8500	8500	EB-X25	3500	3500
EB-L1070U	7000	7000	EB-PU1008W	8500	8500	EB-X27	2700	2700
EB-L1070W	7000	7000	EB-PU2010B	10000	10000	EB-X29	3000	3000
EB-L1075U	7000	7000	EB-PU2010W	10000	10000	EB-X30	3500	3500
EB-L1100U	6000	6000	EB-PU2113W	13000	13000	EB-X31	3200	3200
EB-L1105U	6000	6000	EB-PU2116W	16000	16000	EB-X39	3500	3500
EB-L12000Q	12000	12000	EB-PU2120W	20000	20000	EB-X36	3600	3600
EB-L1200U	7000	7000	EB-PU2213B	13000	13000	EB-X41	3600	3600

Table 1: Continued

	White Brightness	Color Brightness		White Brightness	Color Brightness		White Brightness	Color Brightness
Epson (Continued)			EH-TW8200W	2400	2400	VPL-EW276	3700	3700
EB-X49	3600	3600	EH-TW8300	2500	2500	VPL-EX225	2700	2700
EB-X50	3600	3600	EH-TW8300W	2500	2500	VPL-EX246	3200	3200
EB-X51	3800	3800	EH-TW8400	2600	2600	VPL-EX276	3700	3700
EB-Z9750WU	7500	7500	EH-TW8400W	2600	2600	VPL-FH30	4300	4300
EB-Z9800W	8300	8300	EH-TW9200	2400	2400	VPL-FH31B	4300	4300
EB-Z9870U	8700	8700	EH-TW9200W	2400	2400	VPL-FH31W	4300	4300
EB-Z9875U	8700	8700	EH-TW9300	2500	2500	VPL-FH36B	5200	5200
EB-Z9900W	9200	9200	EH-TW9300W	2500	2500	VPL-FH36W	5200	5200
EB-Z10000U	10000	10000	EH-TW9400	2600	2600	VPL-FH500L	7000	7000
EB-Z10005U	10000	10000	Hitachi			VPL-FX30	4200	4200
EB-Z11000	11000	11000	CP-A222WN	2200	2200	VPL-FX35	5000	5000
EB-Z11000W	11000	11000	CP-A352WN	3500	3500	VPL-FX37	6000	6000
EB-Z11005	11000	11000	CP-AW2519N	2500	2500	VPL-FX500L	7000	7000
EH-LS100	4000	4000	CP-AW2519NM	2500	2500			
EH-LS10000	1500	1500	CP-AW252WN	2500	2500			
EH-LS10500	1500	1500	CP-AW312WN	3000	3000			
EH-LS11000W	2500	2500	CP-D31N	3000	3000			
EH-LS12000B	2700	2700	CP-D32WN	3200	3200			
EH-LS300B	3600	3600	CP-EW300	3000	3000			
EH-LS300W	3600	3600	CP-SX8350	5000	5000			
EH-LS500W/B	4000	4000	CP-WU8440	4200	4200			
EH-TW490	3000	3000	CP-WU8450	5000	5000			
EH-TW5100	1800	1800	CP-WU8460	6000	6000			
EH-TW5200	2000	2000	CP-WUX8441	5000	5000			
EH-TW5210	2200	2200	CP-WUX8460	6000	6000			
EH-TW530	3000	3000	CP-WX2515WN	2700	2700			
EH-TW5300	2200	2200	CP-WX3015WN	3000	3000			
EH-TW5350	2200	2200	CP-WX3030WN	3000	3000			
EH-TW5400	2500	2500	CP-WX4022WN	4000	4000			
EH-TW5600	2500	2500	CP-WX8240	4000	4000			
EH-TW5650	2500	2500	CP-WX8240A	4000	4000			
EH-TW570	3000	3000	CP-WX8255A	5500	5500			
EH-TW5700	2700	2700	CP-X2521WN	2700	2700			
EH-TW5750	2500	2500	CP-X2530WN	2700	2700			
EH-TW5820	2700	2700	CP-X3021WN	3200	3200			
EH-TW6100	2300	2300	CP-X3030WN	3200	3200			
EH-TW630	3300	3300	CP-X4015WN	4000	4000			
EH-TW6300	2600	2600	CP-X4022WN	4000	4000			
EH-TW640	3300	3300	CP-X5022WN	5000	5000			
EH-TW650	3200	3200	CP-X8150	5000	5000			
EH-TW6600	2500	2500	CP-X8160	6000	6000			
EH-TW6600W	2500	2500	CP-X8170	7000	7000			
EH-TW6700	3000	3000	Sony			VPL-CW275	5100	5100
EH-TW6700W	3000	3000	VPL-CX275	5200	5200	VPL-DW120	2600	2600
EH-TW6800	2800	2800	VPL-DW126	2600	2600	VPL-DX120	2600	2600
EH-TW7000	3000	3000	VPL-DX140	3200	3200	VPL-DX146	3200	3200
EH-TW7100	3000	3000	VPL-EW225	2600	2600	VPL-EW246	3100	3100
EH-TW7200	2000	2000						
EH-TW7300	2300	2300						
EH-TW7400	2400	2400						
EH-TW750	3400	3400						
EH-TW8200	2400	2400						

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 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			HT1085ST	2200	1390	MU686	3500	650
MP225A	32	30	HT2050	2200	1450	MU706	4000	720
AAXA			HT2050A	2200	1450	MW516	2800	670
M6	1200	610	HT2150ST	2200	1280	MW519	2800	700
MP-300-03	550	150	HT2550	2200	1200	MW523	3000	430
P2 Jr.	55	30	HT3050	2000	1130	MW526	3200	620
P3	50	20	HT3550	2000	1000	MW526A	3300	660
P300	300	140	HT3560	2000	1560	MW526AE	3300	700
P4-X	95	40	HT4050	2000	1230	MW529E	3300	720
P450	450	190	HT5550	1800	975	MW535A	3600	650
Acer			HT8050	2200	1500	MW560	4000	800
C120	100	90	Joybee GP2	200	30	MW571	3200	670
H5360	2500	600	LH770	5000	1800	MW571H	3300	580
H5370BD	2500	570	LU950	5000	1600	MW571	3200	670
H5380BD	3000	660	LU951ST	5000	1500	MW612	4000	740
H6500	2100	720	LU9715	8000	2900	MW621ST	3000	530
H6502BD	3400	650	LW61ST	2000	550	MW632ST	3200	600
H6510BD	3000	580	LW720	4000	1400	MW665	3200	650
H6810	3500	720	LX770	5000	2000	MW705	4000	840
H7850	3000	870	MH530	3200	670	MW707	3500	700
K132	500	130	MH530FHD	3300	600	MW721	3500	810
P1173	3000	590	MH535FHD	3600	500	MW727	4200	830
P1185	3200	750	MH535A	3600	650	MW732	4000	850
P1273	3000	710	MH630	3000	770	MW769	4200	950
P1283	3000	650	MH680	3000	700	MW814ST	2500	770
P1383W	3100	660	MH733	4000	730	MW824ST	3200	590
P1387W	4500	850	MH740	4000	730	MW826ST	3400	500
P1500	3000	530	MH741	4000	810	MW843UST	3000	560
P5271	3100	700	MH750	4500	820	MW851UST	2500	460
P5515	4000	720	MH760	5000	1050	MW853UST	3200	860
P7505	5000	980	MH856UST	3500	1200	MW855UST	3500	1050
S1386WHN	3600	750	MP512	2200	610	MW860USTi	3000	480
X110P	2700	700	MP515	2500	750	MW870UST	3000	530
X113PH	3000	710	MP522	2000	540	MW883UST	3300	700
X1161P	2700	720	MP522ST	2000	590	MX503	2700	830
X1163	3000	720	MP525P	2500	840	MX505	3000	640
X117H	3600	750	MP622	2700	1090	MX511	2700	700
X118H	3600	500	MP622C	2200	1010	MX518	2800	720
X1211K	2500	670	MP780ST	2500	600	MX520	3000	610
X123PH	3000	670	MS502	2700	760	MX522	3000	430
X1240	2700	650	MS504	3000	700	MX525	3200	430
X1261P	2700	640	MS510	2700	730	MX525A	3300	560
X1373WH	3000	560	MS513	2700	700	MX570	3200	380
Acto			MS514H	3200	740	MX613ST	2500	660
DX221ST	3200	470	MS517	2800	700	MX620ST	3000	630
ASUS			MS521	3000	460	MX632ST	3200	490
S1	200	120	MS524	3200	670	MX660P	3000	790
BenQ			MS524A	3300	720	MX661	3000	680
CH100	1000	800	MS524AE	3300	600	MX707	3500	750
HC1200	2800	1740	MS535A	3600	550	MX711	3200	770
HT1070	2000	1200	MS536	4000	1100	MX723	3700	660
HT1070A	2200	900	MS560	4000	950	MX726	4000	870
HT1075	2200	1390	MS612ST	2500	710	MX731	4000	600
			MS614	2700	710	MX763	3700	830

Table 2: Continued

	White Brightness	Tested Color Brightness		White Brightness	Tested Color Brightness		White Brightness	Tested Color Brightness
BenQ (Continued)			XJ-F100W	3500	1230	IN1110a	2100	550
MX764	4200	980	XJ-F101W	3500	1400	IN1112	2200	590
MX806PST	3000	560	XJ-F11X	3300	1200	IN1112a	2200	530
MX810ST	2500	490	XJ-F20XN	3300	1580	IN1116	2400	550
MX815ST	2700	720	XJ-F21XN	3300	1100	IN1116LC	2400	460
MX816ST	3000	640	XJ-F210WN	3500	1420	IN1118HD	2400	470
MX819ST	3000	520	XJ-F211WN	3500	1400	IN112	2700	640
MX825ST	3300	500	XJ-H1700	4000	770	IN112a	3000	700
MX825STH	3500	700	XJ-M140	2500	1440	IN112x	3200	670
MX850UST	2500	400	XJ-M151	3000	1640	IN112xa	3500	600
PU9530	6000	2000	XJ-M240	2500	1280	IN112xv	3400	680
SH915	4000	780	XJ-M245	2500	1160	IN114	2700	660
SH940	4000	1160	XJ-M251	3000	1650	IN114a	3000	670
SP840	4000	480	XJ-S400U	4000	1700	IN114ST	2700	560
SU917	5000	900	XJ-S400W	4000	1500	IN114x	3200	640
SU922	5000	1280	XJ-ST145	2500	510	IN114xa	3500	500
SX920	5000	1150	XJ-UT310WN	3100	1890	IN114xv	3400	500
TH530	3200	680	XJ-UT351W	3500	2180	IN1146	1000	250
TH585	3500	700	XJ-V1	2700	1360	IN116	2700	630
TH670	3000	610	XJ-V10X	3300	1790	IN116a	3000	660
TH681ST	3000	700	XJ-V100W	3000	1580	IN116x	3200	630
TH681	3000	840	XJ-V110W	3500	1990	IN116xa	3500	600
TH683	3200	620	XJ-V2	3000	1670	IN116xv	3400	700
TH685	3500	600	Christie			IN118HDa	3000	400
TH685i	3500	700	D13WU-HS	13500	6000	IN119HDx	3200	590
TK700	3200	600	DHD400S	3500	940	IN122	3200	760
TK700STi	3000	850	DHD800	8000	2000	IN122a	3500	800
TK800	3000	550	Dell			IN124	3200	840
TK850	3000	500	1220	2700	550	IN124a	3500	710
TK860i	3300	600	1409X	2500	820	IN124ST	3000	690
V7050i	2500	1700	1450	3000	640	IN124x	4000	830
W1070	2000	1570	1510X	3500	770	IN126	3200	810
W1080ST	2000	1470	1610HD	3500	910	IN126ST	3000	630
W1090	2000	1500	2400MP	3000	710	IN126STa	3300	700
W1500	2200	1440	4320	4300	1080	IN128HDx	4000	670
W7000	2000	1500	M110	300	80	IN1338HD	4000	690
W770ST	2500	680	M115HD	450	120	IN134	4000	760
X1300i	3000	1500	M900HD	900	180	IN136	4000	760
X3000i	3000	1950	S300wi	2200	480	IN138HD	4000	760
Canon			S500wi	3200	880	IN2102	2500	760
LV-S300	3000	620	S560	3400	800	IN2104	2500	650
LV-WX300	3000	700	Hisense			IN2112	3000	750
LV-X300	3000	630	L5F	3000	1300	IN2114	3000	760
LX-MU500Z	5000	1750	L9G	3400	1600	IN2116	3000	730
LX-MH502Z	5000	1800	PX1	2000	900	IN2124	3200	800
LX-MU800Z	8000	2900	PX1-Pro	2200	900	IN2124a	3500	820
Casio			Hitachi			IN2124x	4200	760
XJ-A130	2000	540	CP-DX250	2500	480	IN2126	3200	840
XJ-A141	2500	1200	CP-DX300	3000	650	IN2128HDa	3500	740
XJ-A142	2500	1000	LP-WU3500	3500	1200	IN2134	4500	790
XJ-A246	2500	1340	LP-WU6500	5000	1800	IN2136	4500	750
XJ-A252	3000	1170	LP-WU9750B	8000	2300	IN2138HD	4500	1000
XJ-A256	3000	1370	InFocus			IN3102	3000	840
XJ-A257	3000	1400	IN102	2500	740	IN3104	3500	1010
XJ-F10X	3300	1740	IN1110	2100	530	IN3114	3500	910
						IN3116	3500	930

Table 2: Continued

	White Brightness	Tested Color Brightness		White Brightness	Tested Color Brightness		White Brightness	Tested Color Brightness
InFocus (Continued)								
IN3124	4800	1050	XD221U-ST	2000	650	P502HL	5000	2000
IN3126	4000	760	XD250U	2700	1050	P502HL-2	5000	1250
IN3128HD	4000	590	XD3500U	5000	940	PX-602UL	6000	2200
IN3138HD	4000	720	XD360U-EST	2500	350	PX-750U2	7500	2200
IN3138HDa	4000	600	XD460U	2600	850	PX-803UL	8000	2900
IN3144	5000	850	XD490U	3000	780	V311W	3100	690
IN3148HD	5000	1100	XD500U	2200	640	V311X	3100	720
IN35	2500	840	XD700U	5000	850	Optoma		
IN37	3000	970	NEC			4K400STx	4000	1100
IN3914	2700	730	M380HL	3800	1000	4K550ST	4500	1200
IN5312	4500	1190	M430WL	4300	700	CinemaX P1	3000	1300
Work Big IN24+	2400	720	NP110	2200	640	CinemaX P2	3000	1500
Work Big IN26+	2400	640	NP200	2100	480	CinemaX Pro	3500	800
Work Big IN32	2000	940	NP40	2200	830	DH351	3600	650
Work Big IN34	2500	670	NP4001	4500	1640	DH1009	3200	590
Work Big IN36	3000	870	NP4100	6200	1950	DH1011	3000	640
JVC			NP50	2600	740	DH1012	3200	780
LX-UH1B	2000	750	NP60	3000	790	DS331	3200	500
LG			NP61	3000	700	DS339	2600	760
BS-275	2700	700	NP-M282X	2800	810	DS550	2600	650
BU50NST	5000	2950	NP-M283X	2800	780	DU380	3800	630
BU60PST	6000	3200	NP-M322W	3200	810	DW326e	3000	710
GRU510N	5000	2870	NP-M322X	3200	870	DX326	2800	710
HF80JA	2000	530	NP-M323W	3200	950	DX346	3000	690
HF85JA	1500	400	NP-M323X	3200	910	DX550	2600	640
HU70LA	1500	800	NP-M333XS	3300	920	EH200ST	3000	500
HU715Q	2500	1100	NP-M352WS	3500	1020	EH320USTi	4000	660
HU80KA	2500	650	NP-M353WS	3500	900	EH330UST	3600	950
HU810PW	2700	1800	NP-M363W	3600	950	EH331	3300	640
HU85LA	2700	1800	NP-M363X	3600	890	EH335	3600	500
HU915QB	3000	2500	NP-M402H	4000	1060	EH336	3400	600
HU915QE	3700	2500	NP-M402X	4000	1030	EH341	3500	680
PA75U	700	230	NP-M403H	4000	770	EH345	3200	670
PA77U	700	300	NP-M403X	4000	1000	EH400+	4000	900
PB63U	500	220	NP-P502H	5000	1300	EH412	4500	950
PF1000U	1000	250	NP-P502WL	5000	1200	EH412ST	4000	870
PF1500	1400	400	NP-PE401H	4000	1020	EH415	4200	800
PF50KA	600	200	NP-PX750U	7500	1250	EH415ST	3500	800
PH300W	300	200	NP-PX750U+	7500	660	EH416	4200	620
PH550	550	300	NP-PX800X	8000	1890	EH460ST	4200	810
PW800	800	340	NP-U260W	2600	540	EH465	4800	850
Mimio			NP-U300X	3000	770	EH500	4700	1000
mimioProjector	2800	550	NP-U310W	3100	690	EH501	5000	430
Miroir			NP-U321H	3200	650	EH503	5000	1190
M300A	400	200	NP-V260	2600	620	EH504	5000	1050
Mitsubishi			NP-V260W	2600	620	EH512	5000	1500
EX240U	2500	510	NP-V260X	2600	640	EH515	5500	830
HC1500	1600	720	NP-V300W	3000	740	EH615T	6200	750
HC4000	1300	400	NP-V300X	3000	740	EH7700	7000	1900
HC7800D	1500	1090	NP-V302H	3000	530	EP1691	2500	820
HD4000U	2000	690	NP-V332W	3300	620	EP716	1800	510
WD380U-EST	2800	660	NP-V332X	3300	580	EP719	2000	600
XD211U	2200	660	NP-VE281	2800	590	EP721	2200	550
XD221U	2300	810	NP-VE281X	2800	700	EP727	2200	590
			NP-VE303	3000	700	EP728	2700	810
			NP-VE303X	3000	630	EP771	3000	930

Table 2: Continued

	White Brightness	Tested Color Brightness		White Brightness	Tested Color Brightness		White Brightness	Tested Color Brightness
Optoma (Continued)			PRO150S	2800	810	W412	4400	1050
ES522	2800	660	PRO160S	3000	810	W415	4500	800
EW1691e	3000	770	PRO250X	2800	740	W416	4500	650
EW536	2800	700	PRO260X	3000	770	W512	5500	1400
EW695UT	3500	780	PRO360W	3000	820	WU334	3600	700
EX525ST	2500	570	PT100	50	10	WU336	3400	550
EX530	2600	650	PT110	100	20	WU416	4200	630
EX532	2800	650	S303	3000	670	WU465	4800	960
EX685UT	3000	620	S310e	3200	730	WU515	6000	1300
EX765	4000	810	S316	3200	710	X303	3000	410
EX784	5000	1060	S321	3200	570	X304M	3000	620
EX785	5000	1300	S336	4000	650	X305ST	3000	540
GT1080	2800	500	S334e	3800	960	X306ST	3200	680
GT1080HDR	3800	910	S341	3500	620	X309ST	3700	500
GT1080HDRx	3800	1270	S343	3600	750	X312	3200	610
GT1090HDR	4200	1500	S365	3600	700	X313	3000	710
GT5500	3500	690	SH360	3600	600	X316	3200	590
GT5600	3600	730	TS526	2800	700	X318ST	3300	600
GT750e	3000	950	TS551	2800	640	X341	3300	560
GT760	3400	600	TW766W	4000	800	X343	3600	650
GT780	3800	720	TX536	2800	670	X345	3200	670
H180X	3000	660	TX542	2800	680	X351	3600	700
H181X	3200	580	TX631-3D	3500	850	X355	3500	680
H182X	3200	760	UHD30	3400	890	X365	3600	470
H190X	3900	750	UHD35	3600	900	X400+	4000	780
HD131Xe	2500	480	UHD35STx	3600	1185	X400Lve	4000	500
HD131Xw	2500	650	UHD38	4000	800	X412	4200	850
HD141X	3000	700	UHD50	2400	1000	X416	4300	800
HD142X	3000	700	UHD50x	3400	790	X600	6000	1070
HD143X	3000	560	UHD51A	2400	1000	X605	6000	1500
HD146X	3600	700	UHD55	3600	850	ZH403	4000	1100
HD20	1700	1020	UHD60	3000	1000	ZH406	4500	1100
HD23	2500	680	UHD65	2200	1200	ZH406ST	4200	1300
HD243X	3300	600	UHL55	1500	1100	ZH500T	5000	940
HD25E	2800	420	UHZ45	3800	1400	ZH506	5000	1200
HD25-LV	3500	670	UHZ50	3000	1775	ZH507	5500	1500
HD26	3200	670	W303	3200	500	ZH510T	5000	1200
HD27	3200	600	W304M	3100	780	ZU500TST	5000	1700
HD27e	3400	560	W305ST	3200	490	ZU510T	5300	1100
HD27HDR	3400	760	W306ST	3500	730	ZU510T-W	5500	1700
HD28DSE	3000	630	W309ST	3800	600	ZU610T-W	6000	1900
HD28HDR	3600	650	W307UST	3500	660	ZW210ST	2000	410
HD29Darbee	3200	630	W311	3200	490	ZW212ST	2500	390
HD33	1800	940	W312	3200	710	ZW350	3500	1260
HD37	2600	1980	W316	3400	660	ZW400	4000	1500
HD39Darbee	3500	1100	W316ST	3400	640	ZW403	4500	1560
HD39HDR	4000	1100	W318ST	3500	840	ZX210ST	2000	360
HD65	1600	650	W319ST	4000	780	ZX212ST	2500	280
HD66	2500	710	W331	3200	620	ZX300	3500	870
HZ39HDR	4000	960	W335	3800	650	Panasonic		
ML300	300	130	W341	3600	780	PT-CW230EA	2500	550
ML500	500	140	W345	3300	710	PT-D5700U	6000	3050
ML550	500	150	W351	3800	810	PT-DW830UW	8500	3400
ML750	700	110	W355	3600	720	PT-DZ570U	4000	2240
ML1000P	1000	170	W400	4000	900	PT-DZ6710	6000	2990
PK320	100	60	W400Lve	4000	850	PT-DZ770UK	7000	2340

Table 2: Continued

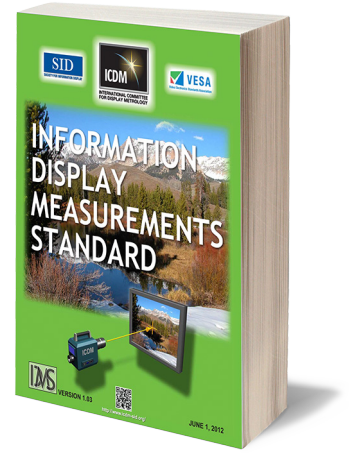
	White Brightness	Tested Color Brightness		White Brightness	Tested Color Brightness		White Brightness	Tested Color Brightness
Panasonic (Continued)			PG603W	3600	490	Pro8520HD	5000	780
PT-DZ780B	7000	3200	PG603X	3600	500	Pro9510L	6200	870
PT-DZ870UK	8500	3700	PG701WU	3500	700	PS501W	3500	600
PT-JW130H	1000	600	PG703W	4000	910	PS501X	3500	550
PT-JX200HWU	2000	1200	PG703X	4000	850	PS600W	3500	600
PT-LS26U	2600	670	PG705HD	4000	710	PS700W	3300	800
PT-RW330U	3500	750	PG706HD	4000	700	PS600X	3500	540
PT-RW430UK	3500	800	PG707X	4000	650	PS750HD	3000	600
PT-RZ120	12000	7200	PG707W	4000	600	PX700HD	3500	520
PT-RZ370U	3500	840	PG800HD	5000	1100	PX701HD	3500	650
PT-RZ470UW	3500	830	PJ506D	2000	630	PX701HDH	3500	650
PT-RZ570	5200	2700	PJD5123	2700	730	PX703HD	3500	600
PT-RZ570BU	5400	2050	PJD5132	2800	730	PX703HDH	3500	550
PT-RZ670U	6500	3700	PJD5133	2700	700	PX706HD	3000	670
PT-RZ970	9400	5200	PJD5134	3000	670	PX727-4K	2200	1300
PT-SD2600C	2600	670	PJD5153	3200	770	PX747-4K	3500	730
Philips			PJD5155	3300	900	PX748-4K	4000	670
PicoPix PPX2340	40	30	PJD5223	2700	680	Vava		
Promethean			PJD5232	2800	580	VA-LT002	2500	1800
PRM-35	2500	600	PJD5233	2700	640	Vivitek		
Ricoh			PJD5234	2800	640	D512-3D	2600	560
PJ HD5450	3500	730	PJD5234L	3000	690	D5280	4500	900
PJ S2240	3000	710	PJD5255	3300	940	D530	3200	790
PJ WX2240	3100	700	PJD5255L	3300	850	D535	3200	620
PJ WX4240N	3000	540	PJD5353LS	3200	830	D536-3D	3200	610
PJ X2240	3000	690	PJD5523W	2700	620	D537W	3200	720
Samsung			PJD5533W	2800	740	D538W-3D	3200	680
LSP7T	2200	880	PJD5553LWS	3200	840	D554	3000	650
LSP9T	2800	1700	PJD5555W	3300	860	D555	3000	670
Sharp			PJD6220	2300	640	D557WH	3000	640
PG-F212X	2300	860	PJD6252L	3300	650	D791ST	3000	340
PG-LW2000	2800	770	PJD6350	3300	730	D795WT	3000	320
PG-LW3000	3000	870	PJD6352LS	3200	850	D803W-3D	3600	680
PG-LX2000	2800	790	PJD6383S	3000	720	D832MX	3200	780
XR-30X	2300	740	PJD6531W	3000	940	D865W	4000	670
XR-32X	2500	750	PJD6544W	3500	750	D910HD	3000	710
XR-41X	2600	660	PJD6552LWS	3200	890	D940VX	4300	930
Smart			PJD6553W	3500	870	D966HD	4500	910
LightRaise 40Wi	2500	750	PJD6683WS	3000	830	DH758USTiR	3500	700
LightRaise 60Wi	2500	620	PJD7525W	4000	1020	DH765Z-UST	4000	950
SLR60Wi2	3000	670	PJD7533W	4000	710	DW771USTi	3500	650
UX60	2000	730	PJD7583W	3000	730	DW868	4500	760
Toshiba			PJD7720HD	3200	730	H1180HD	2000	880
TDP-T45U	2500	670	PJD7820HD	3000	830	H1186	2000	1490
ViewSonic			PJD7822HDL	3200	750	HK2288	2000	930
LS600W	3000	2000	PJD7828HDL	3200	770	Qumi Q2	300	50
LS700-4K	3500	960	PLED-W500	500	120	Qumi Q3 Plus	500	200
LS810	5200	1600	PLED-W600	600	250	Qumi Q5	500	80
LS820	3500	1460	PLED-W800	800	250	Qumi Q6	800	130
LS830	4500	1100	Pro7827HD	2200	1310	Qumi Q7	800	130
PA502S	3500	750	Pro8200	2000	780	XGIMI		
PA502X	3500	780	Pro8300	3000	720	H2	1350	800
PA503S	3600	790	Pro8400	4000	1030	Z6	500	400
PA503W	3600	760	Pro8450W	4500	980	ZTE		
PA503X	3600	770	Pro8500	5000	1300	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?

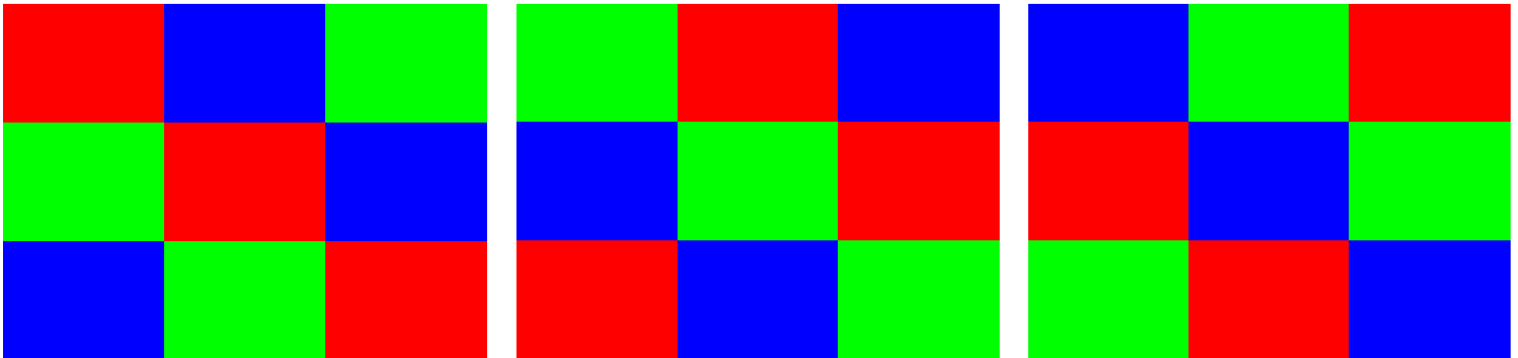
Brightness, or technically Light Output, is only a measurement of white light. To measure brightness, projector makers will take nine brightness readings across the entire image. The average of the nine measurements is multiplied by the screen area in square meters to determine the projector's lumen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