next generation led

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Machine lamp

Properties

- Lifespan L70 %: > 50.000 hr
- Immediate start regardless of temperature or humidity
- No mercury, lead or toxic gases
- No UV or IR radiation
- Premium machine lighting tool for professional, home or hobby use - great reading or visual aid
- A teenager can focus on objects as close as 8cm but by age 50 that distance can increase to 45cm - VERY frustrating when it limits your work or hobby. This premium-grade lamp is a simple and effective solution for seeing anything better and brighter
- High quality driver to ensure flicker free lighting
- Conveniently placed power switch on lamp head
- LED Type: COB
- Warranty: 3 year

IP 65

Quality driver

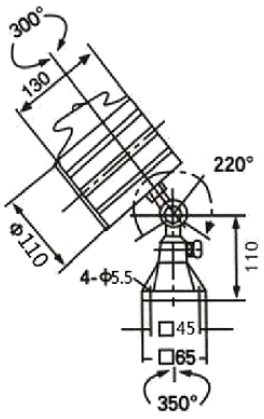
Specifications

LED Machine lamp	10W		
Input voltage	AC-DC24V or AC100-240V		
Color rendering index	RA > 80		
Luminous intensity	1000lm		
Color temperature	3000K - 4000K - 5000K		
Storage temperature	- 30°C ~ 50°C		
Power factor	≥ 0.95		
Beam Angle	100°		
Arm dimension	0cm + 0cm	22cm + 28cm	40cm+40cm
Weight	1kg	1.8kg	2kg

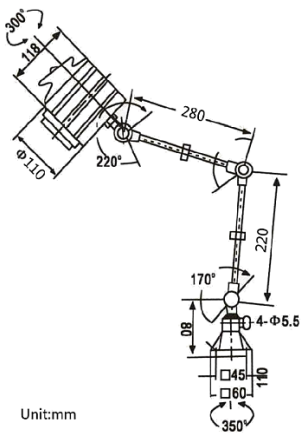
Application

All workplaces where precision work is done.

Updated: July 2017



Unit:mm



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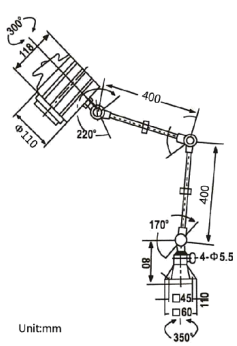

Unit:mm

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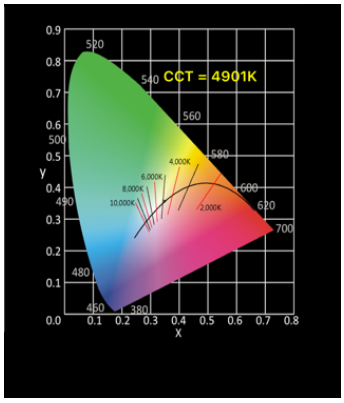
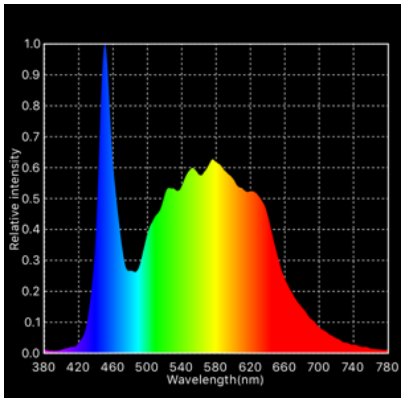
CIE 1931



The CIE color space, developed in 1931, is still used to define colors, and as a reference for other color spaces. The figure is a two-dimensional display of colors of the same intensity (brightness), which is based on observations of color measurements by people.

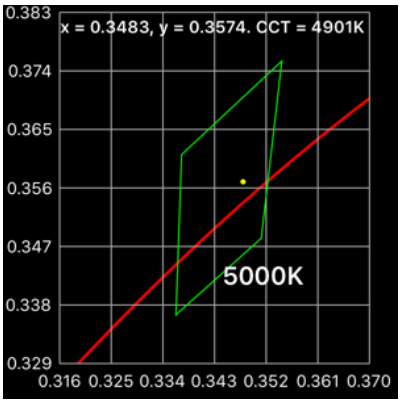


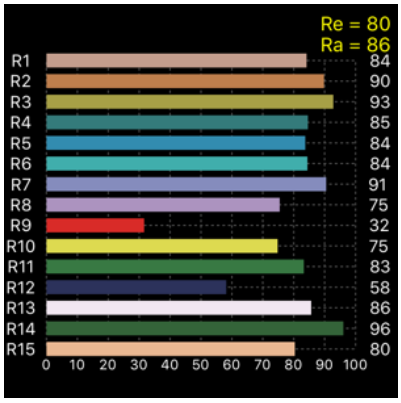
SPECTRUM

Isaac Newton used the Latin word spectrum to define the color series which arose when he dropped a bundle of sunlight through a glass prism. The color spectrum consists of the colors of the rainbow with the color sequence red-orange-yellow-green-blue-indigo-violet, which corresponds to bearish wave length (increasing frequency) of the light waves.

C78 377

ANSI C 78.377 is now the standard for color quality, as determined by the American National Standards Institute. ANSI recommends lamp manufacturers to stay within a 4-step ellipse. This means that manufacturers with a particular focus on the CIE diagram have a broad range of observable differences.

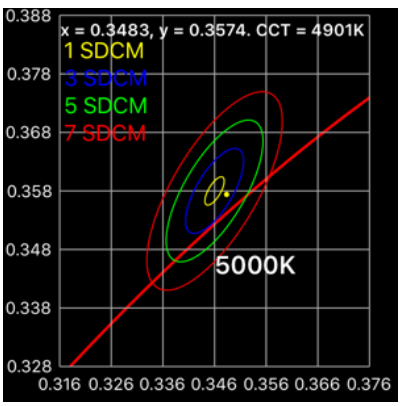




CRI HISTOGRAM

The color reproduction of a light source indicates whether the color of an object can be displayed true to nature. The graph shows whether we can accurately determine color, depending on the color rendering properties of the light source.
Ra = average of R1 to R8
Re = average of R1 to R15
R9 = saturated red. Should be as high as possible.

SDCM



SDCM is an acronym which stands for Standard Deviation Colour Matching. SDCM has the same meaning as a "MacAdam ellipse". A 1-step MacAdam ellipse defines a zone in the CIE 1931 2 deg (xy) colour space within which the human eye cannot discern colour difference. Most LEDs are binned at the 4-7 step level, in other words you certainly can see colour differences in LEDs that are ostensibly the same colour.

SDCM	CCT @ 3000K	ΔUV
1x	±30K	±0.0007
2x	±60K	±0.0010
4x	±100K	±0.0020
7-8x	±175K	±0.0060

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Machine Lamp

REFERENCE	WATT	LUMEN	COLOR	ARM LENGTH	VOLTAGE
895-0003	10W	1000lm	3000K	0cm + 0cm	DC24V
895-0004	10W	1000lm	4000K	0cm + 0cm	DC24V
895-0005	10W	1000lm	5000K	0cm + 0cm	DC24V
895-0006	10W	1000lm	3000K	22cm + 28cm	DC24V
895-0007	10W	1000lm	4000K	22cm + 28cm	DC24V
895-0008	10W	1000lm	5000K	22cm + 28cm	DC24V
895-0009	10W	1000lm	3000K	40cm + 40cm	DC24V
895-0010	10W	1000lm	4000K	40cm + 40cm	DC24V
895-0011	10W	1000lm	5000K	40cm + 40cm	DC24V
895-0012	10W	1000lm	3000K	0cm + 0cm	AC230V
895-0013	10W	1000lm	4000K	0cm + 0cm	AC230V
895-0014	10W	1000lm	5000K	0cm + 0cm	AC230V
895-0015	10W	1000lm	3000K	22cm + 28cm	AC230V
895-0016	10W	1000lm	4000K	22cm + 28cm	AC230V
895-0017	10W	1000lm	5000K	22cm + 28cm	AC230V
895-0018	10W	1000lm	3000K	40cm + 40cm	AC230V
895-0019	10W	1000lm	4000K	40cm + 40cm	AC230V
895-0020	10W	1000lm	5000K	40cm + 40cm	AC230V