



next generation led

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ECO TRACK LIGHT



Properties

- Lifespan L70 %: > 50.000 hours
- External driver
- 3 wire adapter
- 355° swivel rotation and 90° tilt
- Energy savings up to 80%
- Flicker free to reduce the eyestrain
- Environment friendly : no mercury or toxic gasses
- Immediate start regardless of temperature or humidity
- Equal lightdistribution and high uniformity
- Warranty: 5 years

355° swivel
90° tilt

5 y.
warranty

CRI Ra >90

60 Lm/W

Specifications

ECO TRACK LIGHT	15 W	30 W
Power	15W	30 W
Luminous intensity	900 Lm	1800 Lm
Beam Angle	15° - 24°	
Input voltage	100 ~ 240 V AC	
Color temperature	3000 K - 4000 K - 5700 K	
Color rendering index	CRI Ra >90	
Size	dia 95 mm - L 140 mm	
Finish	Black - White - Silver	

Application

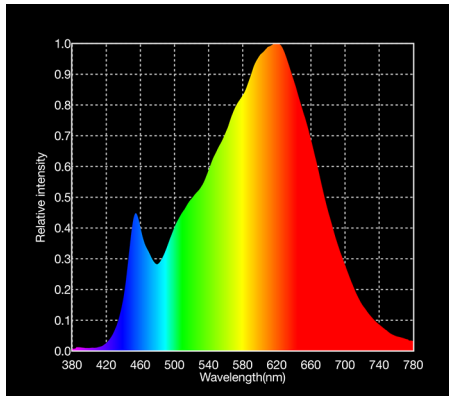
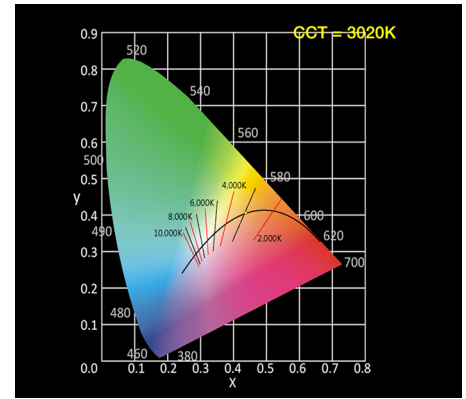
Shops, displays, showroom, exposition hall, ...

Updated: December 2015



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.

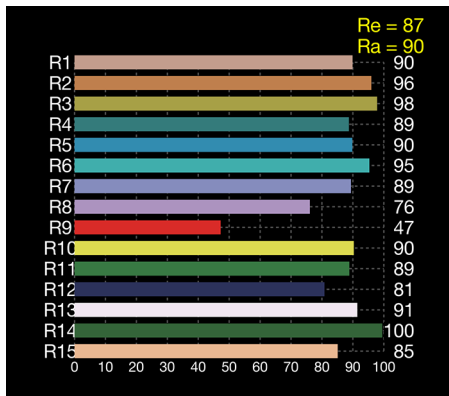
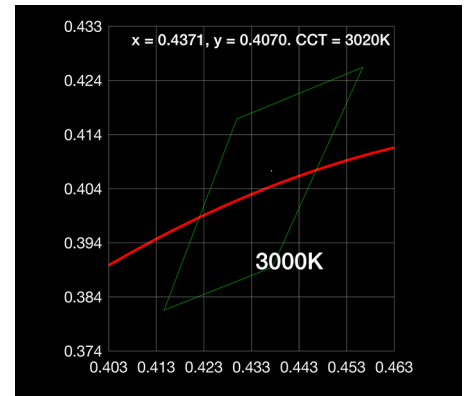


SPECTRUM

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

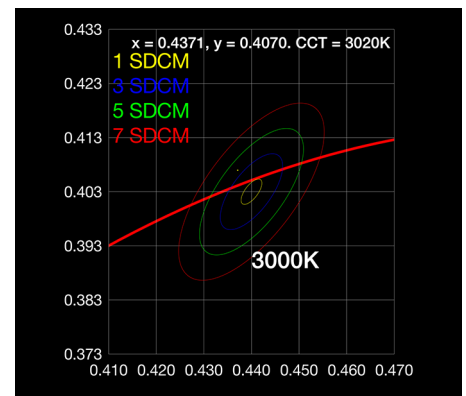
Re = average of R1 to R15

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	ΔU_V
1x	$\pm 30K$	± 0.0007
2x	$\pm 60K$	± 0.0010
4x	$\pm 100K$	± 0.0020
7-8x	$\pm 175K$	± 0.0060



ECO TRACK

REFERENCE	WATT	LUMEN	COLOR	BEAM	FINISH
156-0001	15 W	1300 Lm	3000 K	15°	Black
156-0002	15 W	1300 Lm	4000 K	15°	Black
156-0003	15 W	1300 Lm	5700 K	15°	Black
156-0004	15 W	1300 Lm	3000 K	15°	White
156-0005	15 W	1300 Lm	4000 K	15°	White
156-0006	15 W	1300 Lm	5700 K	15°	White
156-0007	15 W	1300 Lm	3000 K	15°	Silver
156-0008	15 W	1300 Lm	4000 K	15°	Silver
156-0009	15 W	1300 Lm	5700 K	15°	Silver
156-0010	15 W	1300 Lm	3000 K	24°	Black
156-0011	15 W	1300 Lm	4000 K	24°	Black
156-0012	15 W	1300 Lm	5700 K	24°	Black
156-0013	15 W	1300 Lm	3000 K	24°	White
156-0014	15 W	1300 Lm	4000 K	24°	White
156-0015	15 W	1300 Lm	5700 K	24°	White
156-0016	15 W	1300 Lm	3000 K	24°	Silver
156-0017	15 W	1300 Lm	4000 K	24°	Silver
156-0018	15 W	1300 Lm	5700 K	24°	Silver
156-0025	30 W	1800 Lm	3000 K	15°	Black
156-0026	30 W	1800 Lm	4000 K	15°	Black
156-0027	30 W	1800 Lm	5700 K	15°	Black
156-0028	30 W	1800 Lm	3000 K	15°	White
156-0029	30 W	1800 Lm	4000 K	15°	White
156-0030	30 W	1800 Lm	5700 K	15°	White
156-0031	30 W	1800 Lm	3000 K	15°	Silver
156-0032	30 W	1800 Lm	4000 K	15°	Silver
156-0033	30 W	1800 Lm	5700 K	15°	Silver
156-0034	30 W	1800 Lm	3000 K	24°	Black
156-0035	30 W	1800 Lm	4000 K	24°	Black
156-0036	30 W	1800 Lm	5700 K	24°	Black
156-0037	30 W	1800 Lm	3000 K	24°	White
156-0038	30 W	1800 Lm	4000 K	24°	White
156-0039	30 W	1800 Lm	5700 K	24°	White
156-0040	30 W	1800 Lm	3000 K	24°	Silver
156-0041	30 W	1800 Lm	4000 K	24°	Silver
156-0042	30 W	1800 Lm	5700 K	24°	Silver

