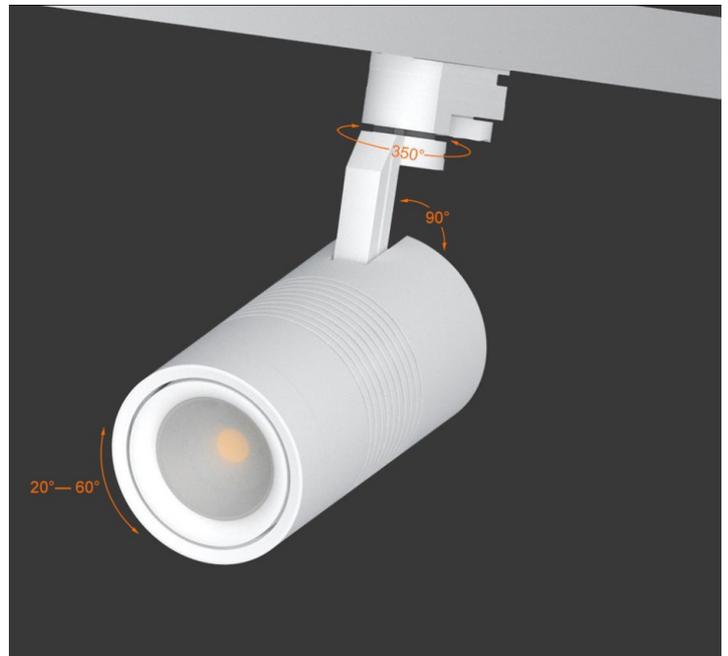




next generation led

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www.nextgenerationled.be
Tel + 32 53 71 09 42

ZOOM TRACK LIGHT



Properties

- Lifespan L70 %: > 50.000 hours
- 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
- Internal driver
- Black or white housing
- Certification: CE/ROHS/TUV/SAA
- Warranty: 5 years

350° swivel 90° tilt	20°~60° beam angle	CRI Ra >92	90 Lm/W	IP20
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Specifications

ZOOM TRACK LIGHT	
Power	35W
Luminous intensity	3100lm
Beam Angle	20° ~ 60°
Input voltage	100 ~ 240 V AC
Color temperature	2700 K - 3000 K - 4000 K
Color rendering index	CRI Ra >92

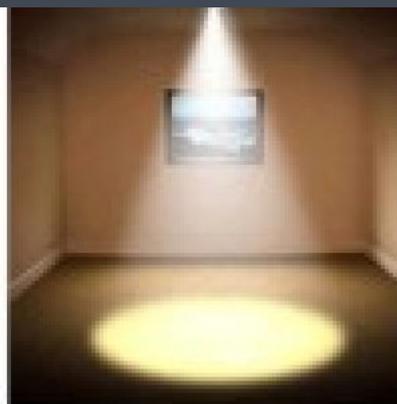
Application

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

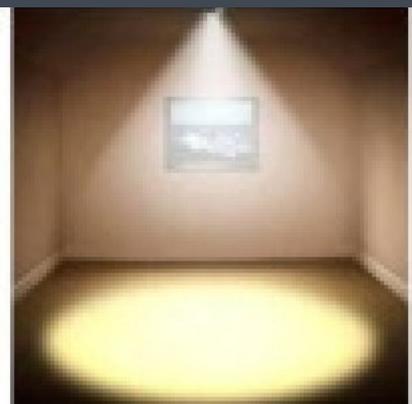
Updated: August 2019



20° simulation lighting



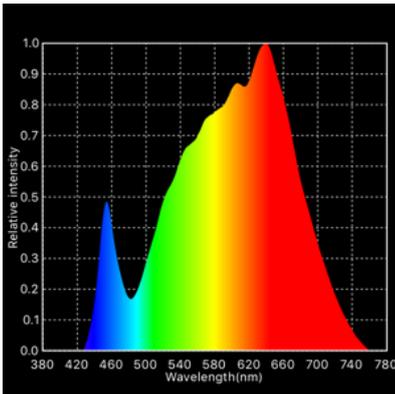
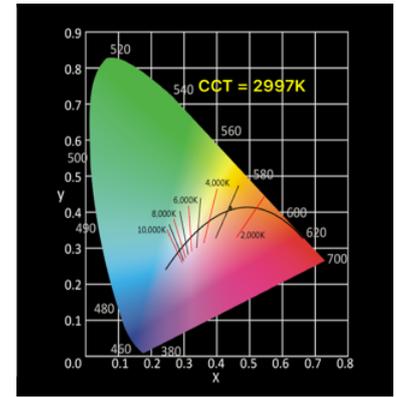
40° simulation lighting



60° simulation lighting

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.

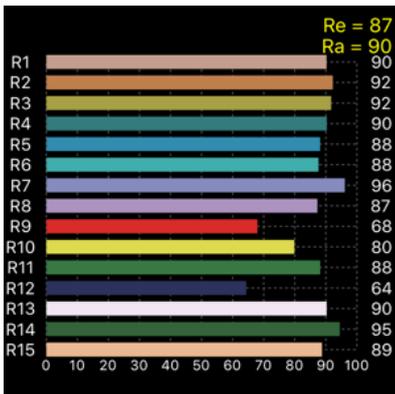
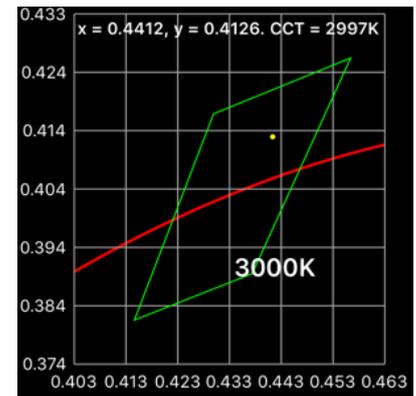


SPECTRUM

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

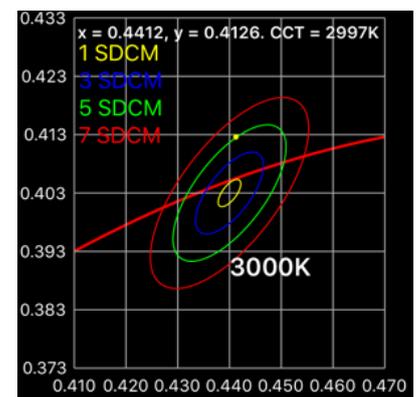
Re = average of R1 to R15

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	±30K	±0.0007
2x	±60K	±0.0010
4x	±100K	±0.0020
7-8x	±175K	±0.0060



ZOOM TRACK

REFERENCE	WATT	LUMEN	COLOR	BEAM	FINISH
156-0255	35 W	3100 Lm	2700 K	20°~60°	Black/white
156-0229	35 W	3100 Lm	3000 K	20°~60°	Black/white
156-0256	35 W	3100 Lm	4000 K	20°~60°	Black/white

