next generation led

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LED CHIPBOARD FIXTURE

CE | LSOH | IP65 / IP66 | 02 | BIM DWG(3D)

Properties

- Lifespan L70 %: > 50.000 hours
- Stainless steel suspension bracket
- Standard with frosted polycarbonate diffuser. Clear diffuser optional
- White metal gear tray reflector
- Stainless steel closing clips
- Environment friendly : no mercury or toxic gasses
- Sensor available for 13.4cm wide 1.2 and 1.5m fixtures
- Philips inside: Fortimo LED line and Xitanium driver
- Immediate start regardless of temperature or humidity
- Equal light distribution and high uniformity
- Optional 1-10V and DALI. Emergency kit available for double 120cm and 150cm fixture (3H and self test)
- Warranty: 5 years

IP 65 | IK 08 | 130 lm/W | Stainless steel clips

Specifications

CHIPBOARD	60 CM		
Power	16 W	17 W	23W
Input voltage	AC 220 ~240 V		
Color temperature	4000 K (3000 K, 5000K available)		
Cover	Standard frosted - clear available		
Color rendering index	CRI >80		
Luminous intensity	2130Lm	2210Lm	3100Lm
Size (L x W x H)[mm]	665 x 84 x 98.5	665 x 134 x 98.5	
Weight	1.5kg	2.2kg	
Clips	6		

Application

Office, hospital, hotel, supermarket, library, parking, corridors ...

Updated: August 2018

Specifications

CHIPBOARD	**120 CM**				**150 CM**				
Power	19 W	32 W	30 W	45 W	23 W	41 W	37 W	56 W	66 W
Input voltage	AC 220 ~240 V								
Color temperature	4000 K (3000 K, 5000K available)								
Cover	Standard frosted - clear available								
Color rendering index	CRI >80								
Luminous intensity	2490Lm	4490Lm	4420Lm	6210Lm	3120Lm	5610Lm	5530Lm	7760Lm	9030Lm
Clips	8				10				
Size (L x W x H)[mm]	1275 x 84 x 98.5		1275 x 134 x 98.5		1575 x 84 x 98.5		1575 x 134 x 98.5		
Weight	1.8 kg		2.9kg		2.2kg		3.8kg		

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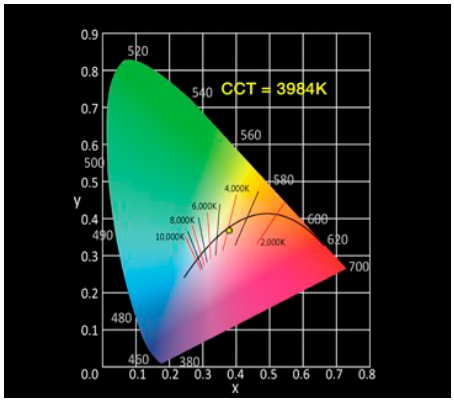
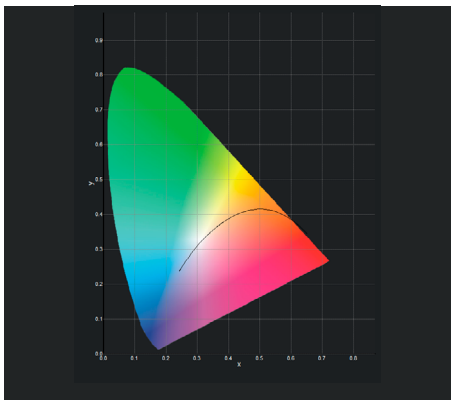
CIE 1931



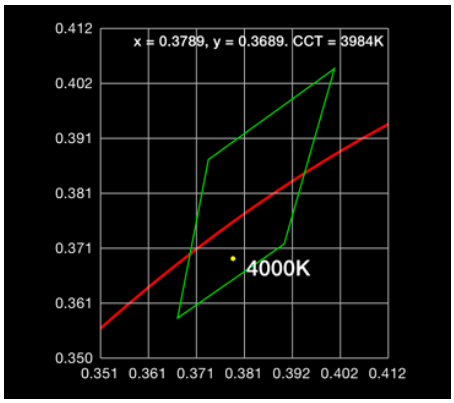
The CIE color space, developed in 1931, is still used to define colors, and as a reference for other color spaces. The figure is a two-dimensional display of colors of the same intensity (brightness), which is based on observations of color measurements by people.



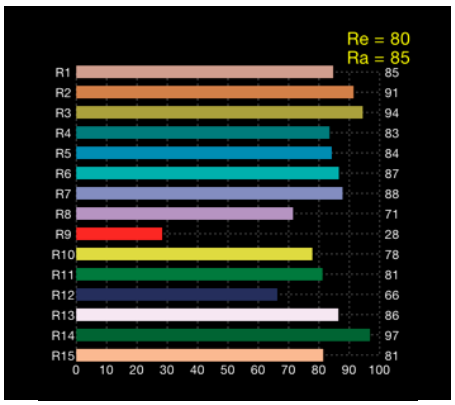
SPECTRUM

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



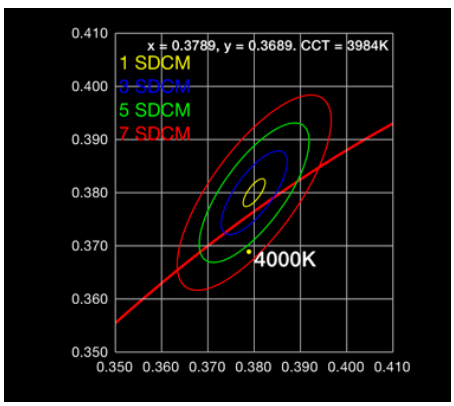
ANSI C 78.377 is now the standard for color quality, as determined by the American National Standards Institute. ANSI recommends lamp manufacturers to stay within a 4-step ellipse. This means that manufacturers with a particular focus on the CIE diagram have a broad range of observable differences.



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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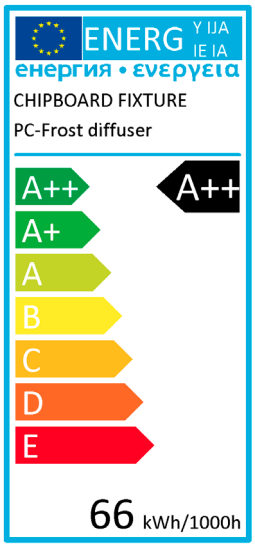
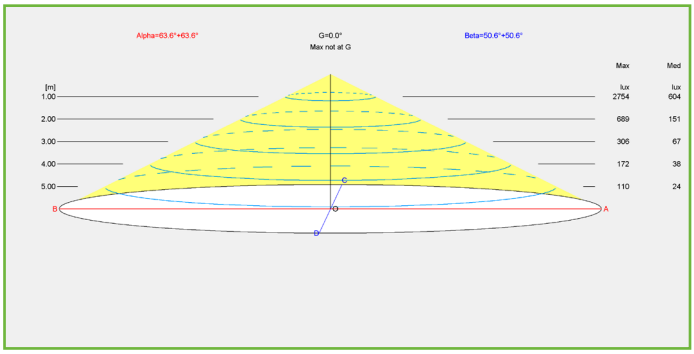
ENERGYLABEL

Electrical appliances carry an energy label. This label prints the so-called energy efficiency score in classes. These classes range from 'very energy efficient' (A++) to 'very waste of energy' (E).
A more expensive new device may eventually turn out to be cheaper if the energy score is good. IPEA is the new system for luminaire energy efficiency assessment.



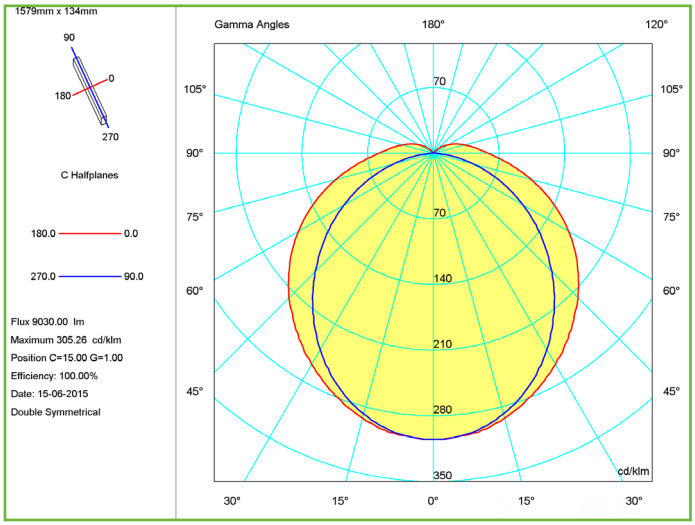
BEAM



The Illuminance Cone Diagram indicates the maximum illuminance at different distances from the fixture.

POLAR DIAGRAM

The polar luminous intensity graph illustrates the distribution of luminous intensity, in candelas, for the transverse (solid line) and axial (dashed line) planes of the luminaire. The shown curve provides a visual guide to the type of distribution expected from the luminaire e.g. wide, narrow, direct, indirect... in addition to intensity.



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LED CHIPBOARD LUMINAIRE

REFERENCE	WATT	LUMEN	COLOR	OPTION	COVER
800-0120 (66.5x8.4)	16 W	2130 Lm	4000 K		Frosted
800-0121 (66.5x13.4)	17 W	2210 Lm	4000 K		Frosted
800-0122 (66.5x13.4)	23 W	3100 Lm	4000 K		Frosted
800-0123 (127.5x8.4)	19 W	2490 Lm	4000 K		Frosted
800-0124 (127.5x8.4)	32 W	4490 Lm	4000 K		Frosted
800-0125 (127.5x13.4)	30 W	4420 Lm	4000 K		Frosted
800-0126 (127.5x13.4)	45 W	6210 Lm	4000 K		Frosted
800-0127 (157.5x8.4)	23 W	3120 Lm	4000 K		Frosted
800-0128 (157.5x8.4)	41 W	5610 Lm	4000 K		Frosted
800-0129 (157.5x13.4)	37 W	5530 Lm	4000 K		Frosted
800-0130 (157.5x13.4)	56 W	7760 Lm	4000 K		Frosted
800-0131 (157.5x13.4)	66 W	9030 Lm	4000 K		Frosted
800-0132 (66.5x13.4)	17 W	2210 Lm	4000 K	DALI	Frosted
800-0133 (66.5x13.4)	23 W	3100 Lm	4000 K	DALI	Frosted
800-0134 (127.5x8.4)	19 W	2490 Lm	4000 K	DALI	Frosted
800-0135 (127.5x8.4)	32 W	4490 Lm	4000 K	DALI	Frosted
800-0136 (127.5x13.4)	30 W	4420 Lm	4000 K	DALI	Frosted
800-0137 (127.5x13.4)	45 W	6210 Lm	4000 K	DALI	Frosted
800-0138 (157.5x8.4)	23 W	3120 Lm	4000 K	DALI	Frosted
800-0139 (157.5x8.4)	41 W	5610 Lm	4000 K	DALI	Frosted
800-0140 (157.5x13.4)	37 W	5530 Lm	4000 K	DALI	Frosted
800-0141 (157.5x13.4)	56 W	7760 Lm	4000 K	DALI	Frosted
800-0142 (157.5x13.4)	66 W	9030 Lm	4000 K	DALI	Frosted