



next generation led

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FLOOD BIFA

Properties

- Lifespan L70 %: > 50.000 hours
- Energy savings up to 80%
- Efficient beam control
- Optimized light distribution without light trespass
- Horizontal wide beam (= shorter arm)
- Environment friendly : no mercury or toxic gasses
- Immediate start regardless of temperature or humidity
- Cast aluminum - powder coated
- Polycarbonate 3 T (clear) cover
- Mounting by swivel bracket
- Warranty: 5 years

Application

Billboards, wall packs,...



IP 66

5 y.
warranty

Beam
Control

Elegant

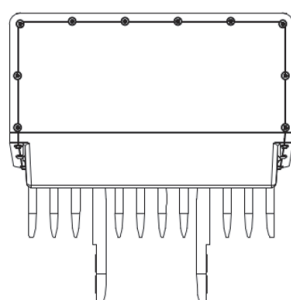
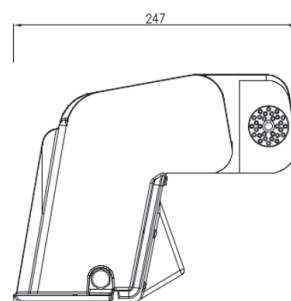
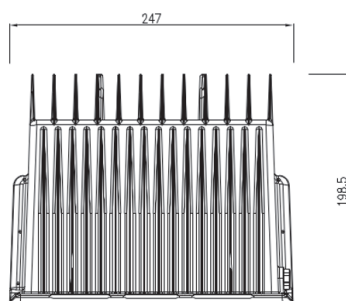
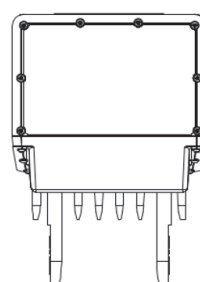
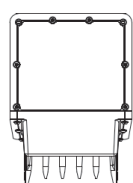
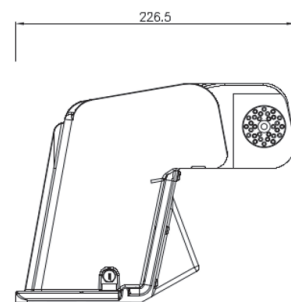
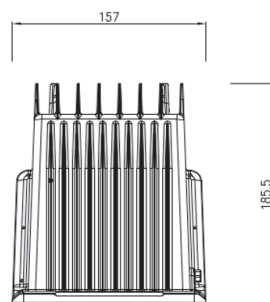
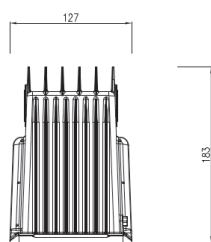
Specifications

FLOOD BIFA	BIF0030	BIF050	BIF100
Power	30W	50W	100W
Luminous intensity	2850Lm	4750 Lm	9500 Lm
Efficacy	95 Lm/w		
Beam Angle	Asymmetric		
Color temperature	3000 K - 4000 K - 5000 K		
Input voltage	AC 100 - 277 V / 50/60Hz		
Temperature in use	- 30°C ~ 50°C		
Powerfactor	> 0.90 Pf		
Color rendering index	CRI>70		
Dimmable	No		
IP class	IP66		
Size	27x183x181.5mm	157x185.5x226.5 mm	247x198.5x247 mm
Weight	1.5 kg	2.2 kg	3.5 kg

Updated: August 2017

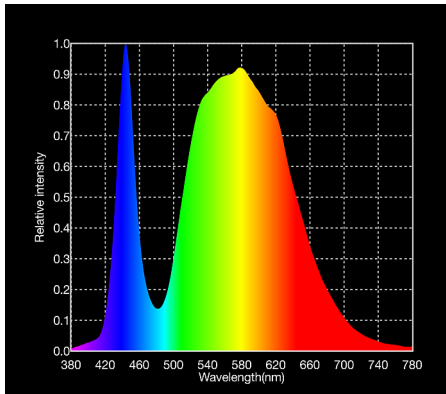
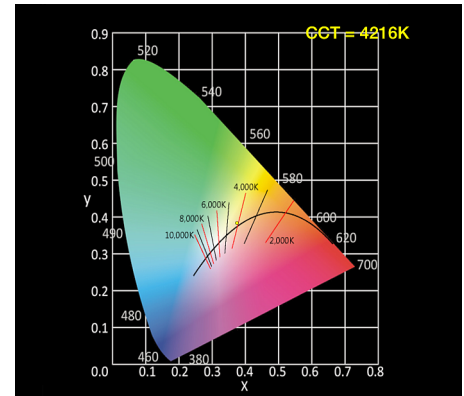


Specifications



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.

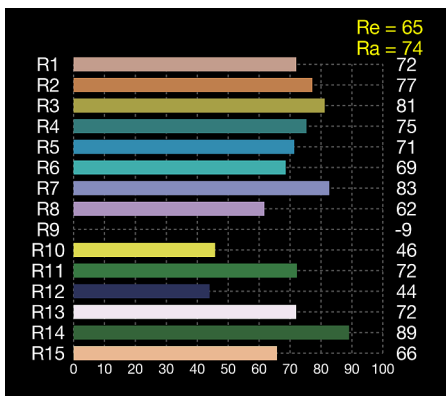
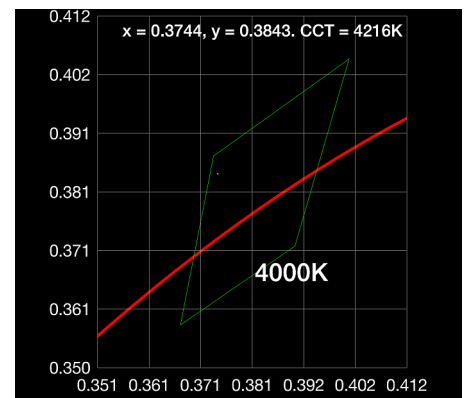


SPECTRUM

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

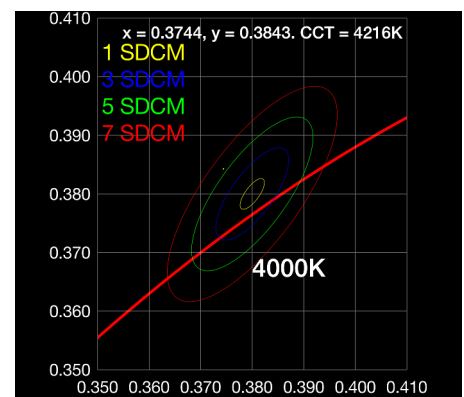
Re = average of R1 to R15

R9 = saturated red. Should be as high as possible.

SDCM

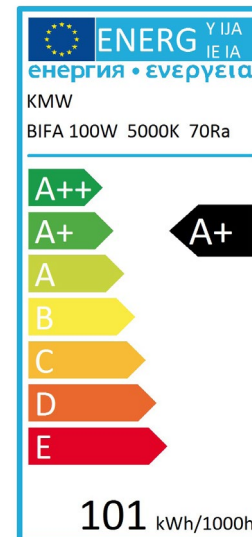
SDCM is an acronym which stands for Standard Deviation Colour Matching. SDCM has the same meaning as a "MacAdam ellipse". A 1-step MacAdam ellipse defines a zone in the CIE 1931 2 deg (xy) colour space within which the human eye cannot discern colour difference. Most LEDs are binned at the 4-7 step level,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

SDCM	CCT @ 3000K	$\Delta U V$
1x	±30K	±0.0007
2x	±60K	±0.0010
4x	±100K	±0.0020
7-8x	±175K	±0.0060



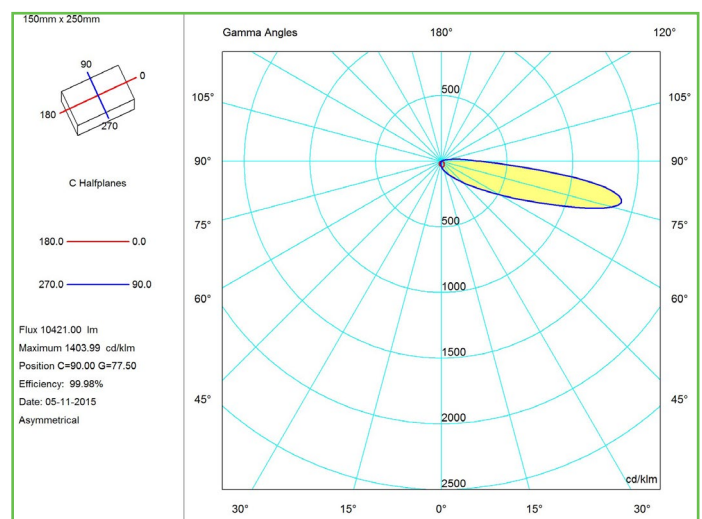
ENERGYLABEL

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.



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.



FLOOD BIFA

REFERENCE	WATT	LUMEN	COLOR	BEAM ANGLE	DIMMABLE
165-0100	30 W	2850 Lm	4000 K	ASYMM.	No
165-0101	30 W	2850 Lm	5000 K	ASYMM.	No
165-0102	50 W	4750 Lm	4000 K	ASYMM.	No
165-0103	50 W	4750 Lm	5000 K	ASYMM.	No
165-0104	100 W	9500 Lm	4000 K	ASYMM.	No
165-0105	100 W	9500 Lm	5000 K	ASYMM.	No

