



next generation led

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

H-SERIE SMD Floodlight

Properties

- Lifespan L70 %: 50.000 hours
- Instant switch-on and flickerfree
- No UV radiation and low glare
- Surge protection for modesl ≥ 60W
- Warranty: 5 years



IP 65

80% Energy Savings

Quality Driver

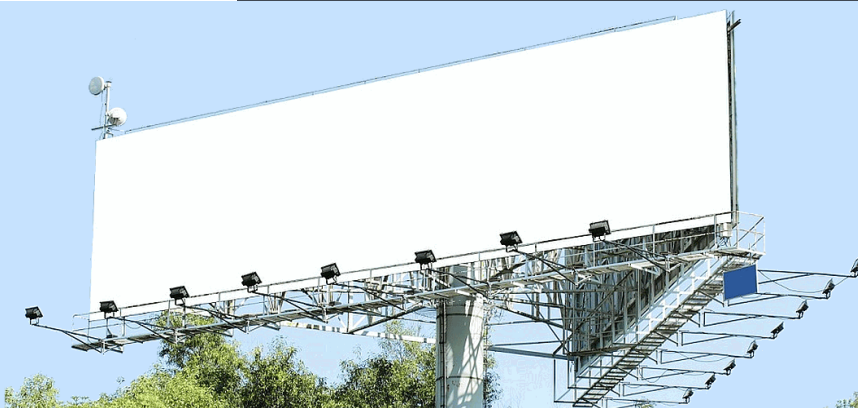
Specifications

H-SERIE	SMD H10	SMD H20	SMD H30	SMD H60
Input voltage	AC100 - 240V / 50/60Hz			
Power	10 W	20 W	30 W	60 W
Power factor (Pf)	>=0.93	>=0.93	>=0.93	>=0.93
Number of LED SMD5630	24	48	72	144
Lumen	1500 lm	3000 lm	4500 lm	9000 lm
Color rendering index	Ra > 70			
Color temperature	3000 K - 4000 K- 5000 K			
Temperature in use	- 20°C ~ 50°C			
Dimensions	166/107/32	216/152/40	226/167/40	265/220/50
Weight	550g	1000g	1100g	2500g

Application

Shop, showroom, galery, billboards, exhibition booth, ...

Updated: Sept. 2017

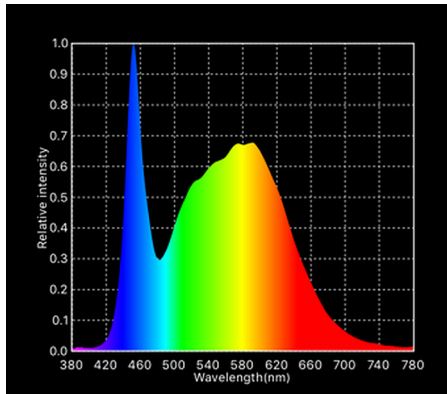
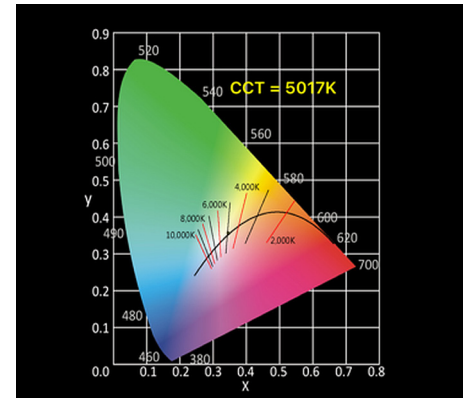


Specifications

H-SERIE	SMD H80	SMD H100	SMD H150	SMD H180
Input voltage	AC100 - 240V / 50/60Hz	AC90 - 305V / 50/60Hz	AC90 - 305V / 50/60Hz	AC90 - 305V / 50/60Hz
Power	80 W	100 W	150 W	180 W
Powerfactor (Pf)	≥ 0.93	≥ 0.95	≥ 0.95	≥ 0.95
Number of LED SMD5630	196	240	336	384
Lumen	12000 lm	15000 lm	22500 lm	27000 lm
Color rendering index	>70	>70	>70	>70
Color temperature	3000 K - 4000 K - 5000 K			
Temperature in use	- 20°C ~ 50°C	- 40°C ~ 50°C	- 40°C ~ 50°C	- 40°C ~ 50°C
Dimensions	300/245/55	345/295/60	365/330/60	400/360/60
Gewicht	4500g	6000g	7500g	8500g

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.

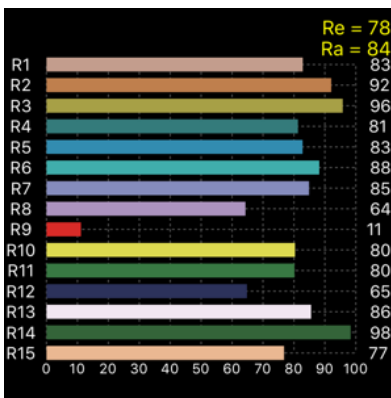
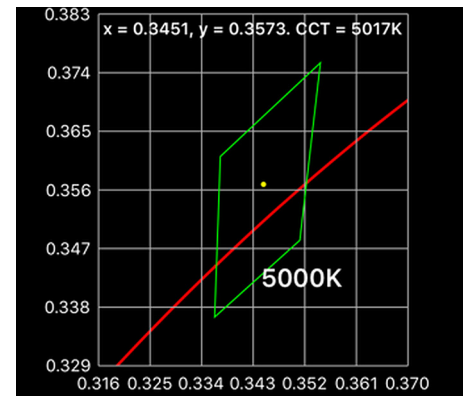


SPECTRUM

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

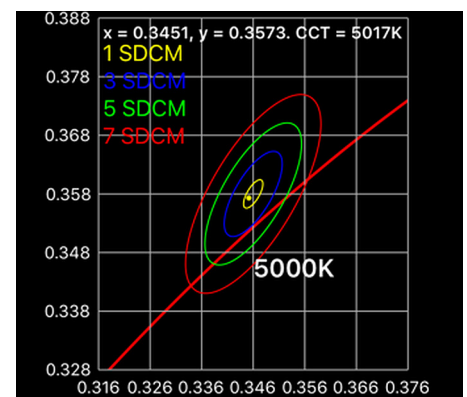
Re = average of R1 to R15

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

SDCM

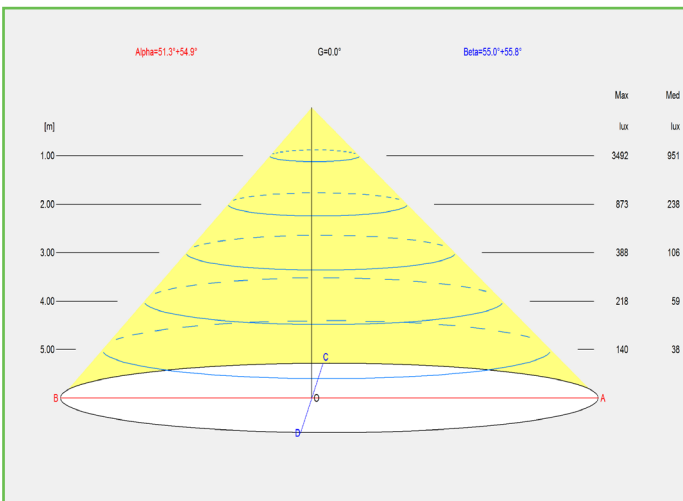
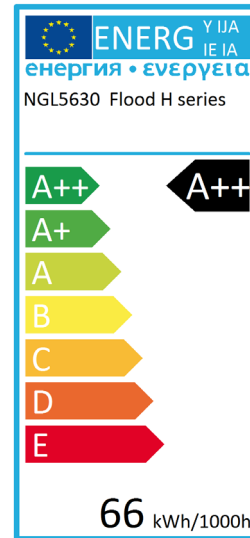
SDCM is an acronym which stands for Standard Deviation Colour Matching. SDCM has the same meaning as a "MacAdam ellipse". A 1-step MacAdam ellipse defines a zone in the CIE 1931 2 deg (xy) colour space within which the human eye cannot discern colour difference. Most LEDs are binned at the 4-7 step level,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



ENERGIELABEL

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.

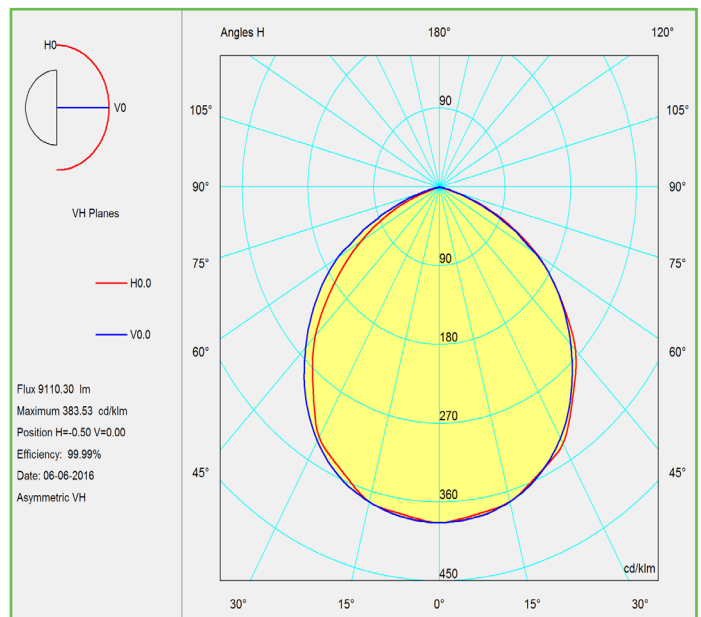


BUNDELHOEK

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.



H-SERIE SMD FLOODLIGHT

REFERENCE	WATT	LUMEN	COLOR	BEAM	DIMMABLE
162-0001	10W	1400 Lm	3000 K	120°	No
162-0002	10W	1450 Lm	4000 K	120°	No
162-0003	10W	1500 Lm	5000 K	120°	No
162-0004	20W	2900 Lm	3000 K	120°	No
162-0005	20W	3000 Lm	4000 K	120°	No
162-0006	20W	3100 Lm	5000 K	120°	No
162-0007	30W	4200 Lm	3000 K	120°	No
162-0008	30W	4350 Lm	4000 K	120°	No
162-0009	30W	4500 Lm	5000 K	120°	No
162-0010	60W	8500 Lm	3000 K	120°	Yes
162-0011	60W	8750 Lm	4000 K	120°	Yes
162-0012	60W	9000 Lm	5000 K	120°	Yes
162-0013	80W	11000 Lm	3000 K	120°	Yes
162-0014	80W	11500 Lm	4000 K	120°	Yes
162-0015	80W	12000 Lm	5000 K	120°	Yes
162-0016	100W	14000 Lm	3000 K	120°	Yes
162-0017	100W	14500 Lm	4000 K	120°	Yes
162-0018	100W	15000 Lm	5000 K	120°	Yes
162-0022	150W	21000 Lm	3000 K	120°	Yes
162-0023	150W	22000 Lm	4000 K	120°	Yes
162-0024	150W	23000 Lm	5000 K	120°	Yes
162-0025	180W	25600 Lm	3000 K	120°	Yes
162-0026	180W	26300 Lm	4000 K	120°	Yes
162-0027	180W	27000 Lm	5000 K	120°	Yes

