



next generation led

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## STREET SETA

### Properties

- Lifespan L70 %: > 50.000 hours
- Energy savings up to 65%
- Unrivalled efficacy : 130 Lm per watt
- Wireless / photo sensor
- Type II-S light distribution
- Excellent vertical convection cooling
- Build-in 20Kva surge protector
- Silver reflection
- Easy to install junction box
- Cast aluminum body and tempered glass (4.0T)
- No UV radiation, high light uniformity and no glare
- Horizontal Tenon Mount (60.5 mm)
- BUG Rating (B3-U2-G3)
- Warranty : 5 years

### Application

Industry complex, business park, local way, alley way...



IP 66

Driver

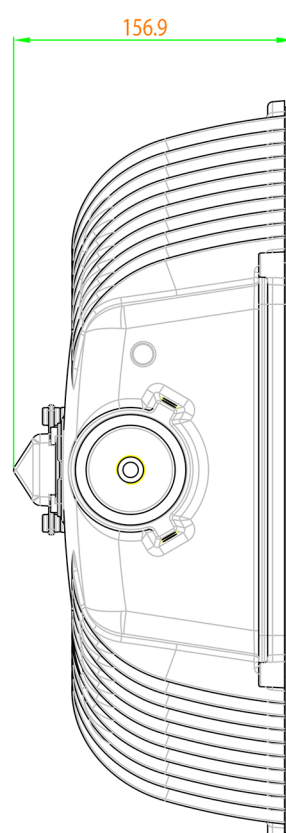
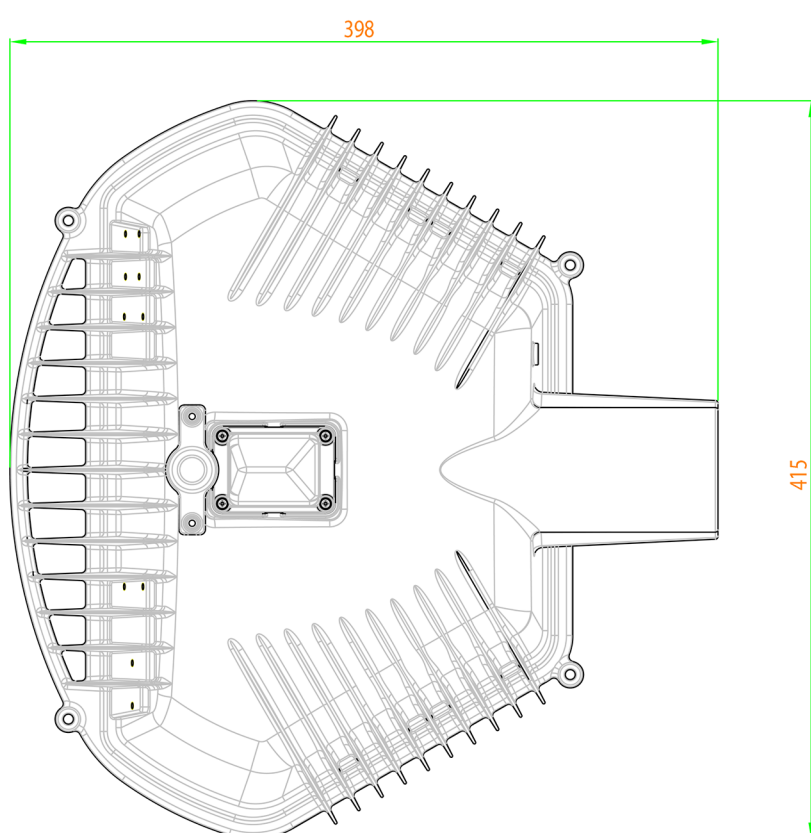
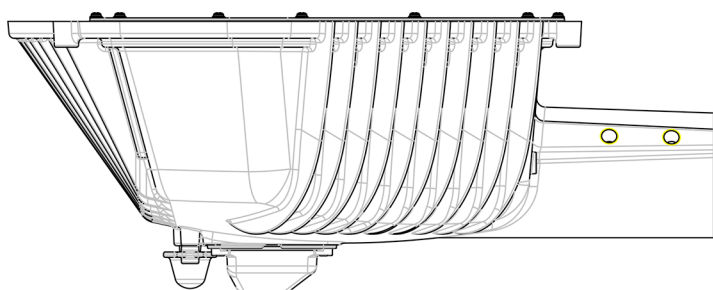
### Specifications

STREET META	ST060	ST080	ST100
Power	60 W	80 W	100 W
Lumineux flux	7500 Lm	10000 Lm	12500 Lm
Power factor (Pf)	>=0.9 at Max. Load		
LED type	Samsung		
Input voltage	AC100-240 V / AC 100~277 V / 50/60 Hz		
Color rendering index	Ra >80		
Color temperature	3000 K - 4000 K - 5000 K - 5700 K		
Temperature in use	- 30°C ~ 60°C		
Light distribution	Type II-S		
Control system	Wireless / photo sensor		
Dimensions	415/398/157 mm		
Weight	4.5 kg		

Updated: August 2017

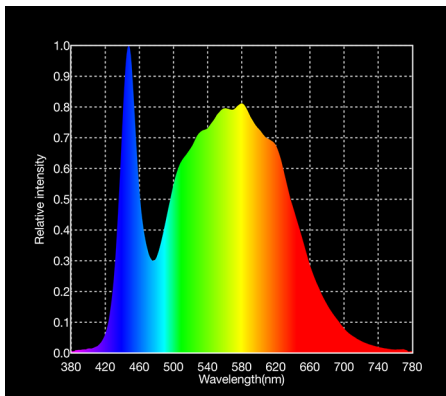
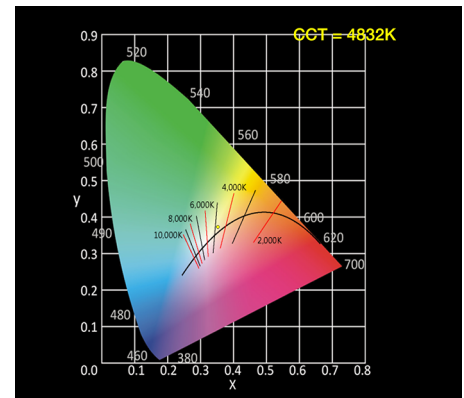


## Specifications



## 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.

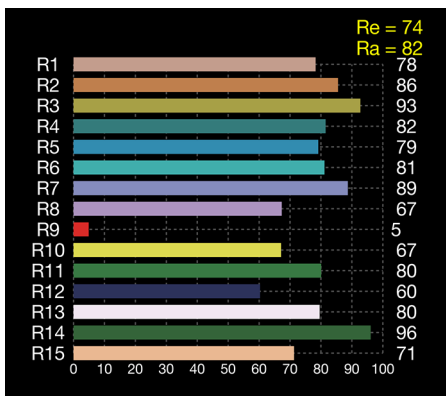
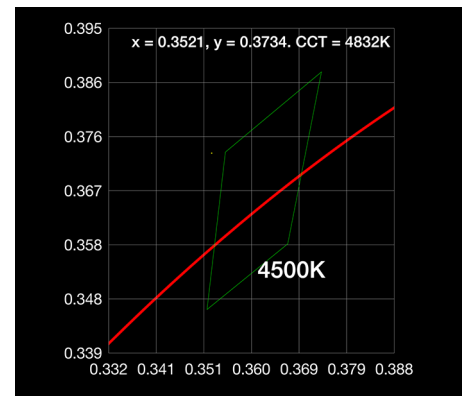


## SPECTRUM

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

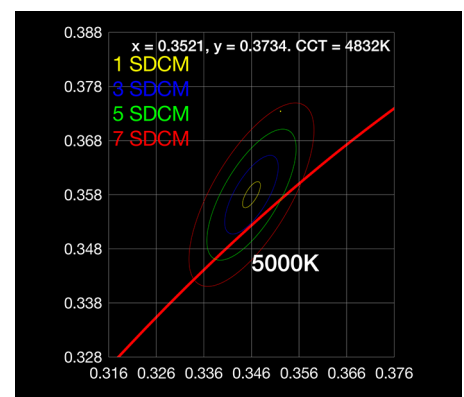
Re = average of R1 to R15

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

## SDCM

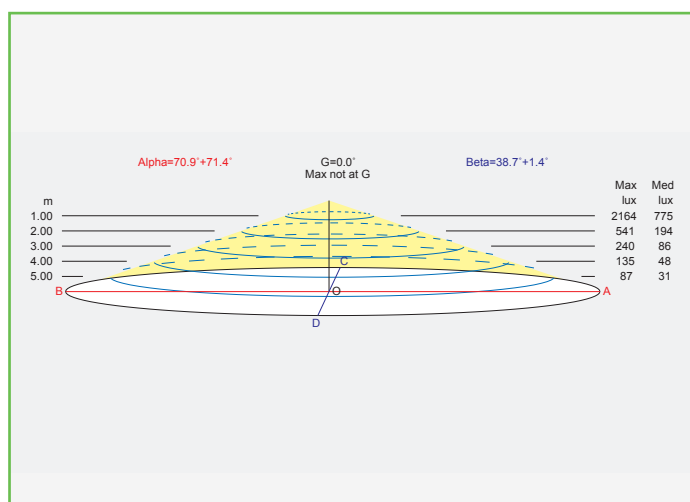
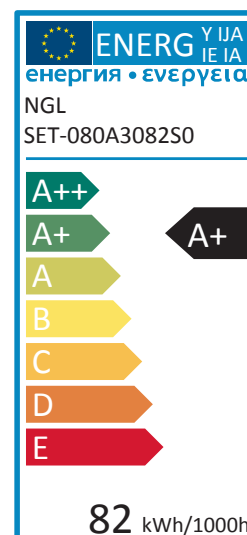
SDCM is an acronym which stands for Standard Deviation Colour Matching. SDCM has the same meaning as a "MacAdam ellipse". A 1-step MacAdam ellipse defines a zone in the CIE 1931 2 deg (xy) colour space within which the human eye cannot discern colour difference. Most LEDs are binned at the 4-7 step level,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

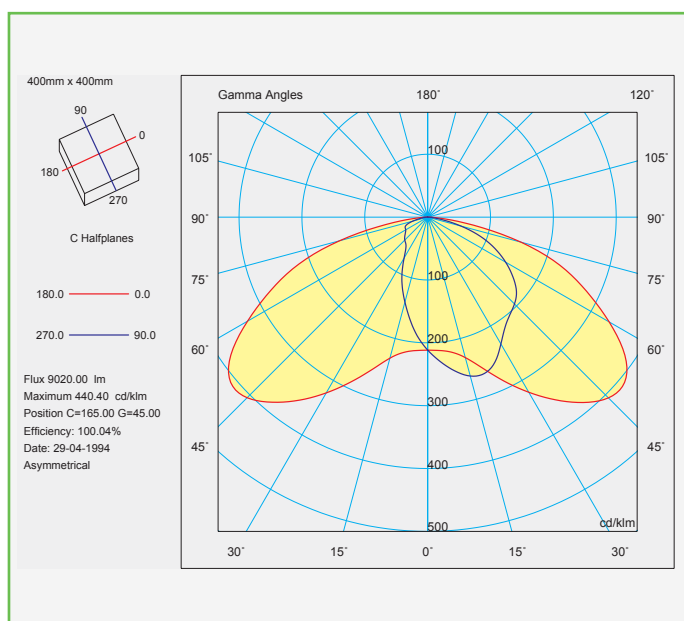


## BEAM

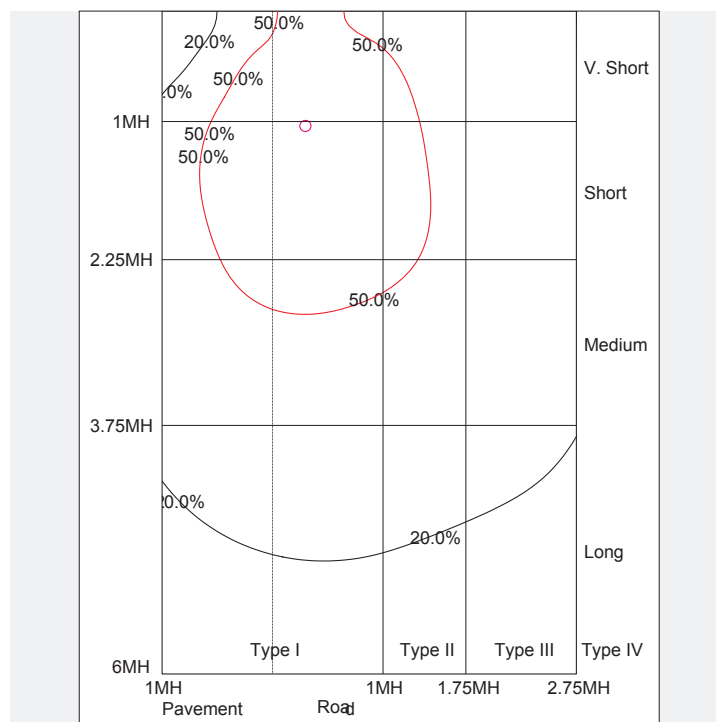
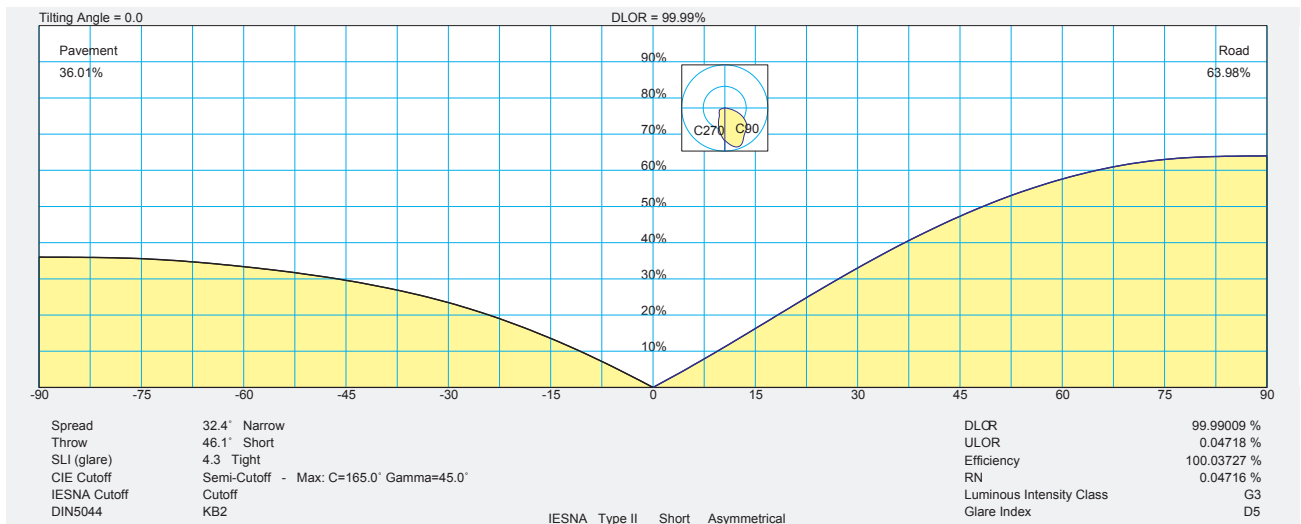
The Illuminance Cone Diagram indicates the maximum illuminance at different distances from the fixture.

## 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.



## ROAD DIAGRAMS



## STREET SETA

REFERENCE	WATT	LUMEN	COLOR	OPTICS	WIRELESS
190-0050	60 W	7500 Lm	5000 K	Type II-S	Zigbee
190-0051	80 W	10000 Lm	5000 K	Type II-S	Zigbee
190-0052	100 W	12500 Lm	5000 K	Type II-S	Zigbee

