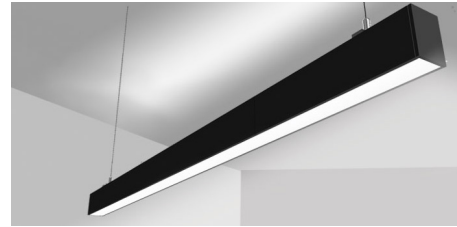
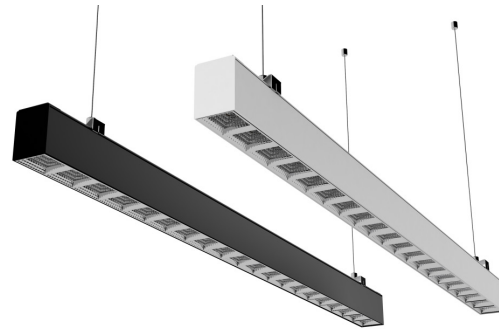




next generation led

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

Continuous Linear Pendant LED Light



Properties

- Lifespan L70 %: > 50.000 hours
- High efficiency, sleek, visual comfort, precision lighting and stylish design
- Vacuum coated reflector minimizes the glare
- Passive cooling with isolated circuit SELV Class II LED electronic control gear
- Up to 65% energy savings
- Original Samsung 2835 SMD, LM80 qualified
- Pure aluminum housing
- No UV production, environment friendly
- Warranty : 5 years

Applications

Supermarkets, Retail shops, Warehouses, Production facilities, Halls, Offices, Conference rooms, Automotive and Parking, education, Library, Bookstore,...

Samsung LED

100+ lm/W

1-10V

Low Glare

Compact

Continuous

Specifications

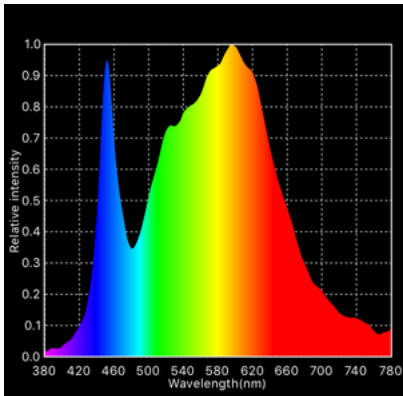
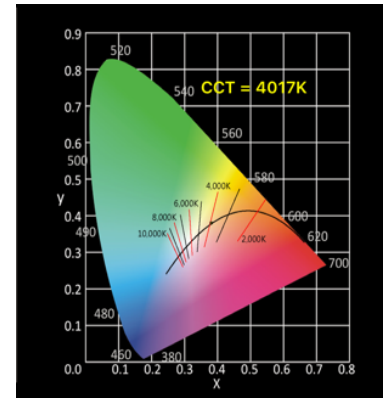
	1167mm	2330mm
Wattage - Lumen	27W 3000lm 45W 5000lm	45W 5000lm 90W 10000lm
System Efficacy	110lm/W	
LED Brand	Samsung LED	
Beam Angle	30°x70°, 85°x85°, 110°; Asymmetric (by request) 25°x90°, 55°x90°	
CRI	80, 90 by request	
SDCM	≤5 MacAdam	
CCT	3000K, 4000K, 5000K	
DIMMING	Flicker Free: DALI, 0-10V, ON/OFF	
Input Voltage	200-240V	
Power Factor	0.95	
IP	IP20	

Updated: Sep 2019



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.

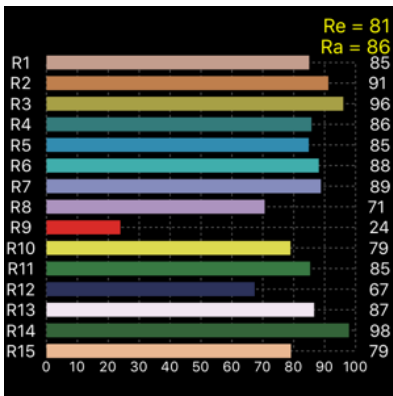
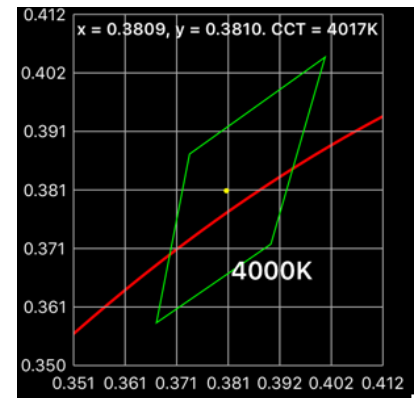


SPECTRUM

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

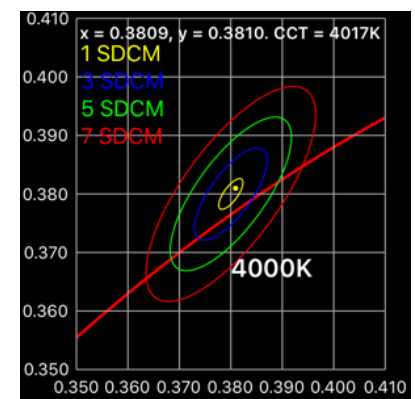
Re = average of R1 to R15

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

SDCM

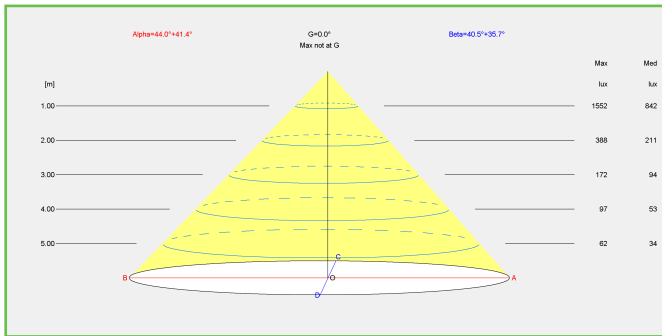
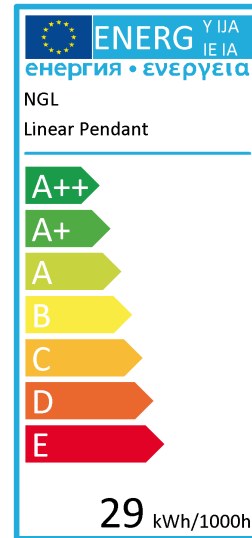
SDCM is an acronym which stands for Standard Deviation Colour Matching. SDCM has the same meaning as a "MacAdam ellipse". A 1-step MacAdam ellipse defines a zone in the CIE 1931 2 deg (xy) colour space within which the human eye cannot discern colour difference. Most LEDs are binned at the 4-7 step level,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



ENERGY LABEL

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.

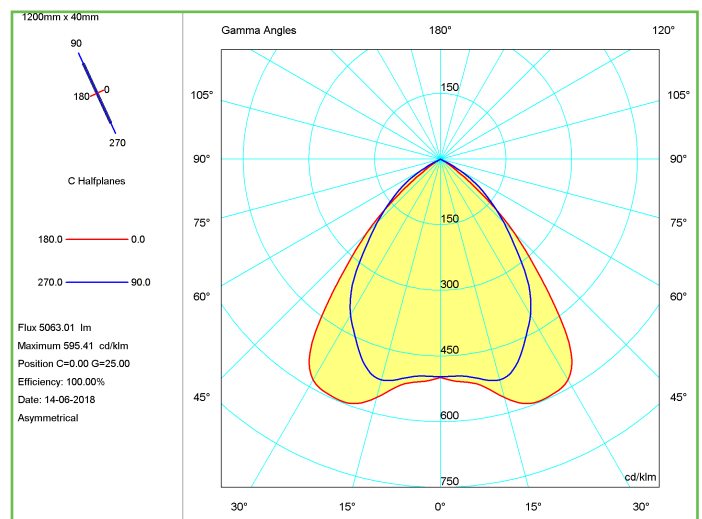


BEAM

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.

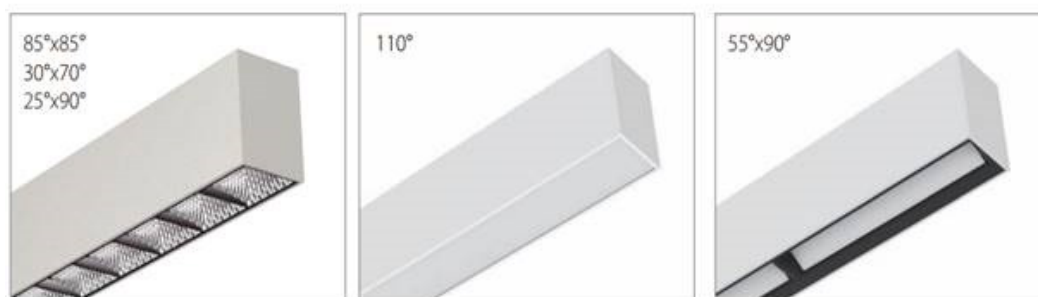


Linear pendant light

REFERENCE	SIZE	WATT	COLOR	BEAM	DIMM
156-0500	117cmx4,6cmx6,1cm	27W	3000K	85°X85°	ON/OFF
156-0502	117cmx4,6cmx6,1cm	27W	3000K	85°X85°	1-10V
156-0506	117cmx4,6cmx6,1cm	45W	3000K	85°X85°	ON/OFF
156-0508	117cmx4,6cmx6,1cm	45W	3000K	85°X85°	1-10V
156-0512	233cmx4,6cmx6,1cm	45W	3000K	85°X85°	ON/OFF
156-0514	233cmx4,6cmx6,1cm	45W	3000K	85°X85°	1-10V
156-0518	233cmx4,6cmx6,1cm	90W	3000K	85°X85°	ON/OFF
156-0520	233cmx4,6cmx6,1cm	90W	3000K	85°X85°	1-10V
156-0521	117cmx4,6cmx6,1cm	27W	4000K	85°X85°	ON/OFF
156-0523	117cmx4,6cmx6,1cm	27W	4000K	85°X85°	1-10V
156-0527	117cmx4,6cmx6,1cm	45W	4000K	85°X85°	ON/OFF
156-0529	117cmx4,6cmx6,1cm	45W	4000K	85°X85°	1-10V
156-0533	233cmx4,6cmx6,1cm	45W	4000K	85°X85°	ON/OFF
156-0535	233cmx4,6cmx6,1cm	45W	4000K	85°X85°	1-10V
156-0539	233cmx4,6cmx6,1cm	90W	4000K	85°X85°	ON/OFF
156-0541	233cmx4,6cmx6,1cm	90W	4000K	85°X85°	1-10V

*30°X70°, 55°x90°, 110° and other beam angles available on request

OPTICS DESIGN



DISTRIBUTIONS & INDIRECT LIGHT

Aisle Lighting: 30°x70°

General Lighting: 85°x85°, 110°

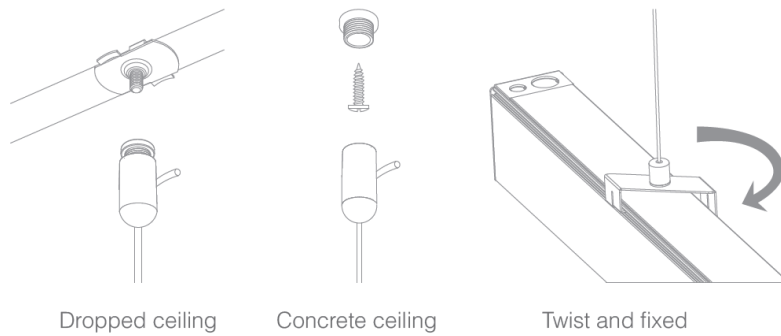
Asymmetric Vertical Lighting(by request): 25°x90°, 55°x90°



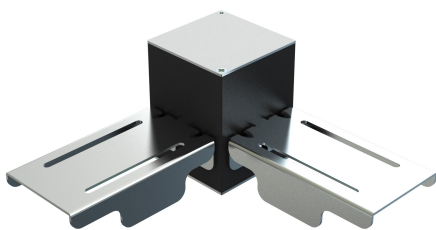
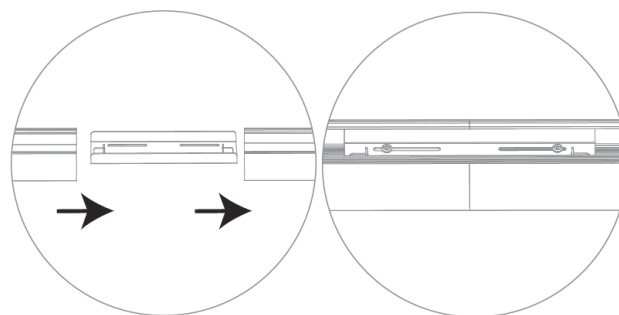
Linear pendant light

REFERENCE	
156-0542	T-CONNECTOR (1PCS) FOR LINEAR LIGHT
156-0543	L-CONNECTOR (1PCS) FOR LINEAR LIGHT
156-0544	X-CONNECTOR (1PCS) FOR LINEAR LIGHT
156-0545	Pendant Kit: 200cm with clip(1pair) FOR LINEAR LIGHT
156-0546	END CAPS (2PCS) FOR LINEAR LIGHT
156-0547	SURFACE MOUNTED KIT (2PCS) FOR LINEAR LIGHT
156-0548	Canopy surface mounted kits --2m 3pin wire(3x1.5mm ²) FOR LINEAR LIGHT
156-0549	Canopy surface mounted kits --2m 3pin wire(3x0.75mm ²) FOR LINEAR LIGHT
156-0550	Canopy surface mounted kits --2m 5pin wire(3x1.5mm ²) FOR LINEAR LIGHT
156-0551	Canopy surface mounted kits --2m 5pin wire(3x0.75mm ²) FOR LINEAR LIGHT
156-0552	TRACK MOUNTED KIT(2PCS) FOR LINEAR LIGHT
156-0553	STRAIGHT CONNECTOR FOR LINEAR LIGHT

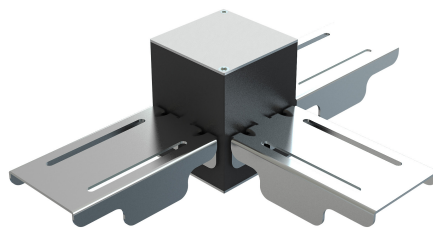
Different ceiling installation



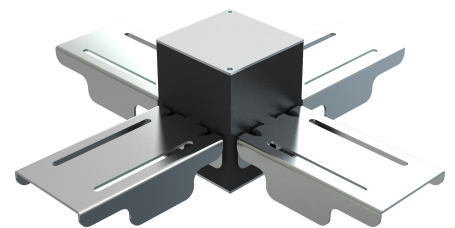
Continuous connection



L-CONNECTOR



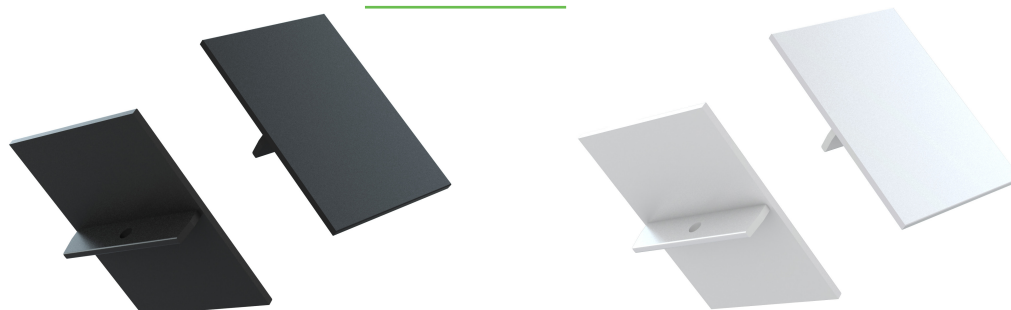
T-CONNECTOR



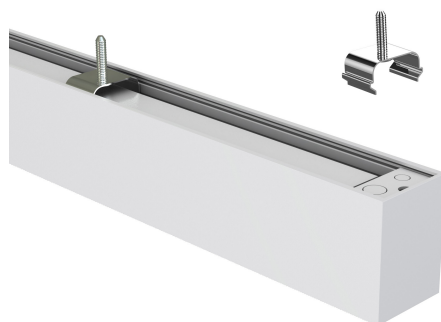
X-CONNECTOR

Linear pendant light

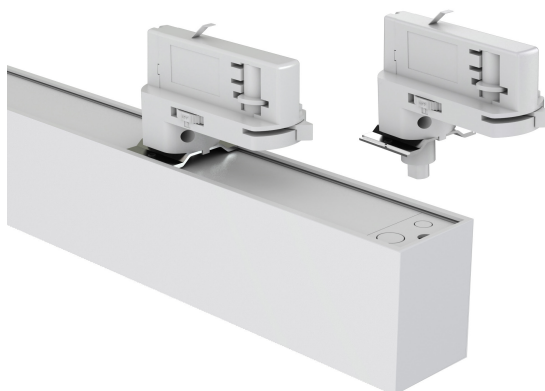
END CAPS



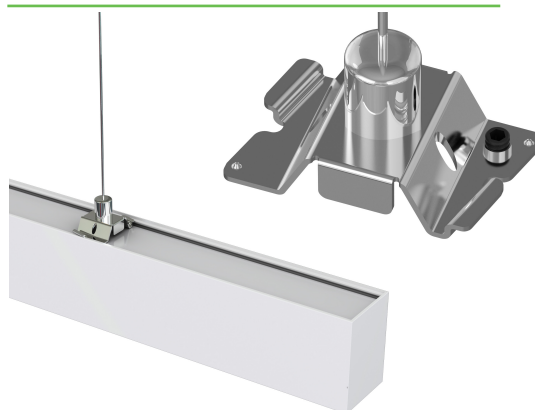
SURFACE MOUNTED KIT



TRACK MOUNTED KIT



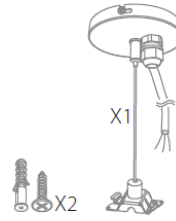
PENDANT MOUNTED KIT



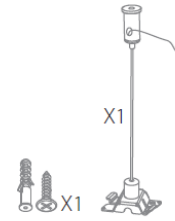
Linear pendant light



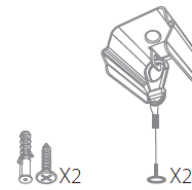
200cm length aircraft cable suspension has continuous adjustment in vertical and horizontal direction



Pendant mounted kit 1



Pendant mounted kit 2



Surface mounted Kit



Track mounted kit with cable



Track mounted kit without cable

SEAMLESS CONTINUOUS DESIGN

Various connectors are perfectly fitted together which allows for a free assembly into light-line systems of different lengths, and different patterns seamless.

