

PRODUCT PHOTO



SPECIFICATIONS

- Default driving method is constant current input
- CCT Range from 2000°K up to 6500°K
- Luminous flux range from 1693 lm to 3994 lm
- Efficacy of the module up to 140 lm/W
- CRI 80 is standart, CRI 70 and CRI 90 are available
- Outstanding system color tolerance MacAdam 3 over the full operating area
- Simple installation (e.g. screw)
- Long life-time > 60,000 hours
- 5 years guarantee at specified conditions



For your orders please call us:

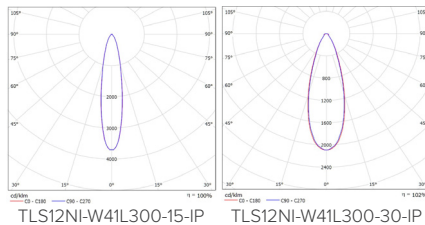
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APPLICATIONS



High Bay Lighting Flood Lighting

PHOTOMETRY



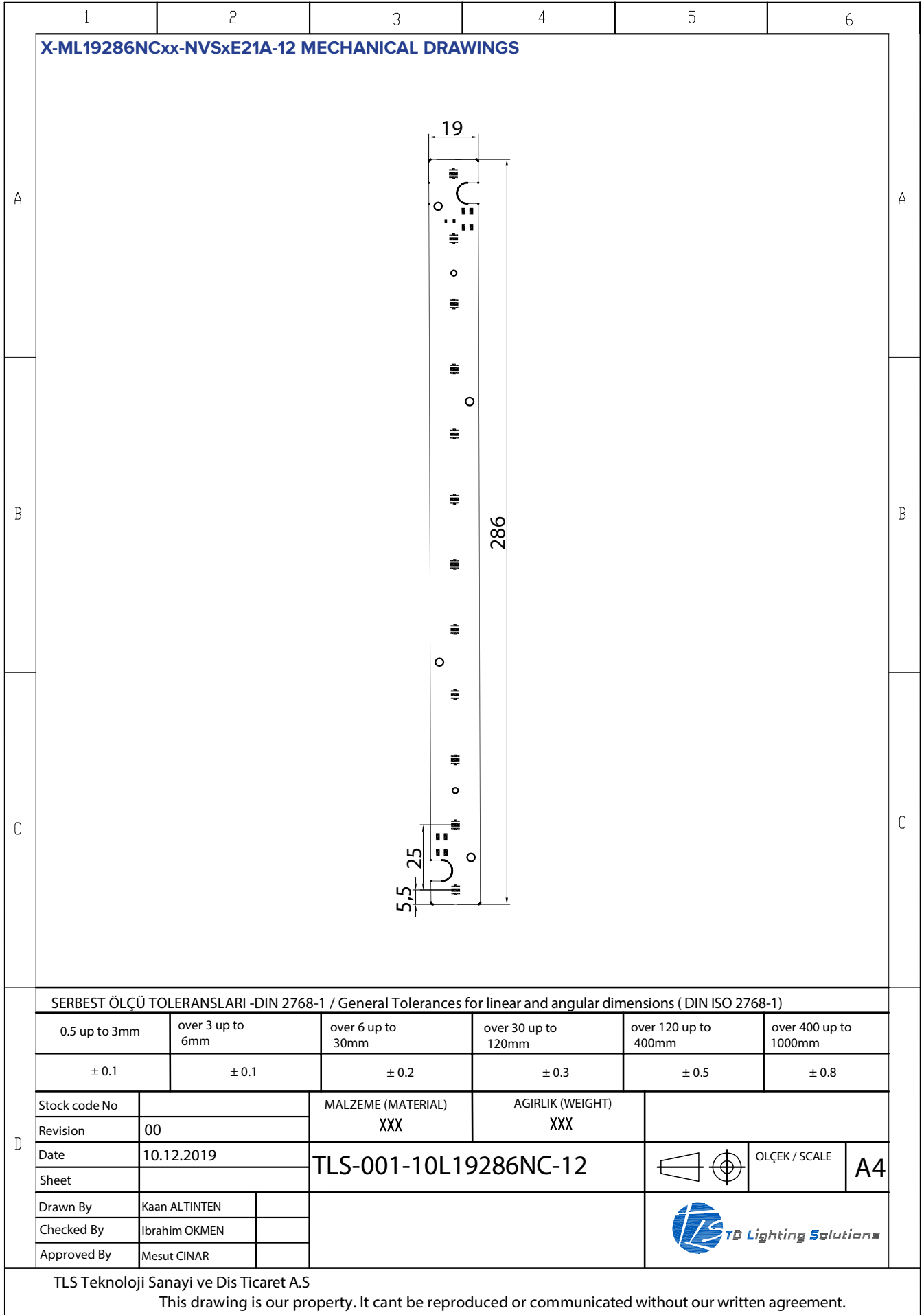
DRIVING CURRENT VS LUMEN OUTPUT SPECIFICATION

Common Characteristic [@Tj : 85°C] ;			
Module Code	X-ML19286NCxx-NVSxE21A-12		
PCB Material	ALU	Electrical Connection	
Operating Temperature (°C)	-40 ~ +85	Parallel	1
Storage Temperature (°C)	-40 ~ +55	Series	12
Thermal Conductivity (W/m-K)	1>	LED Quantity	12
LED	NVSLE21A_R8000		
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	33,00	34,56	35,64
Module Operating Current (mA)	350	700	1050
Branch Operating Current (mA)	350	700	1050
Module Power (W)	11,55	24,19	37,42
Module Light Output (lm)	1.813	3.387	4.753
Module Efficiency (lm/W)	157	140	127

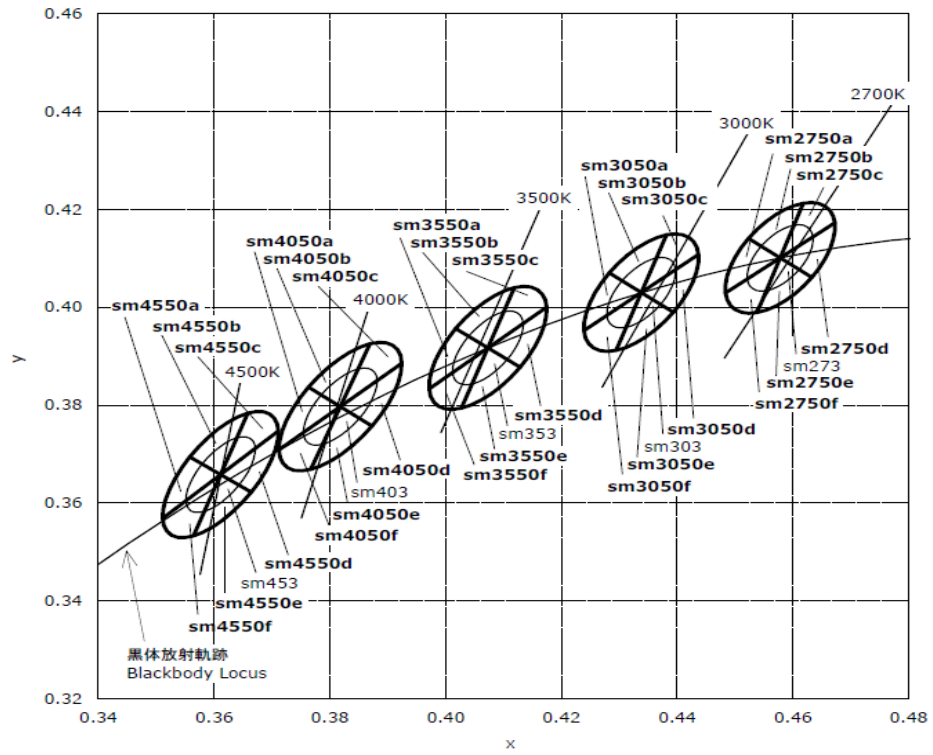
The table below shows how to Module Light Output changes depending on CCT (°K)

LED	Lumen Output Multiplier				
	2700°K (CRI 80)	3000°K (CRI 80)	4000°K (CRI 80)	5000°K (CRI 80)	6500°K (CRI 80)
NVSLE21A_R8000	0,91	0,93	1	1	1

Relative luminous intensity versus CCT (°K)



CCT AND BINNING INFORMATION



LIFE TIME

MODEL NUMBER: NVSxE21A

Test Summary:

Data Set	Case Temperature [T _s]	Ambient Temperature [T _A]	Drive Current [I _F]	Lumen Maintenance at 10,000 hours	Chromaticity Shift (Δu'v')	TM-21 Projection L ₇₀ (10K)	TM-21 Projection L ₈₀ (10K)	TM-21 Projection L ₉₀ (10K)
1	85 °C	> 80 °C	1050 mA	95.9 %	0.0016	> 60000 hours	> 60000 hours	41500 hours
2	105 °C	> 100 °C	700 mA	94.7 %	0.0016	> 60000 hours	56900 hours	24400 hours
3	105 °C	> 100 °C	1050 mA	93.6 %	0.0020	> 60000 hours	45200 hours	18800 hours
4	120 °C	> 115 °C	700 mA	94.6 %	0.0016	> 60000 hours	> 60000 hours	26800 hours

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