

PRODUCT PHOTO



SPECIFICATIONS

- Default driving method is constant current input
- CCT Range from 2000°K up to 6500°K
- This module is optional and can be connected as 8 Series 6Parallel.
- Luminous flux range from 1371 lm to 2723 lm
- Efficacy of the module up to 190 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



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APPLICATIONS

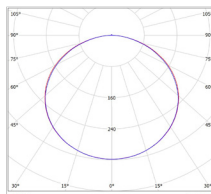


Tube Light

Cove Light

Panel Light

PHOTOMETRY

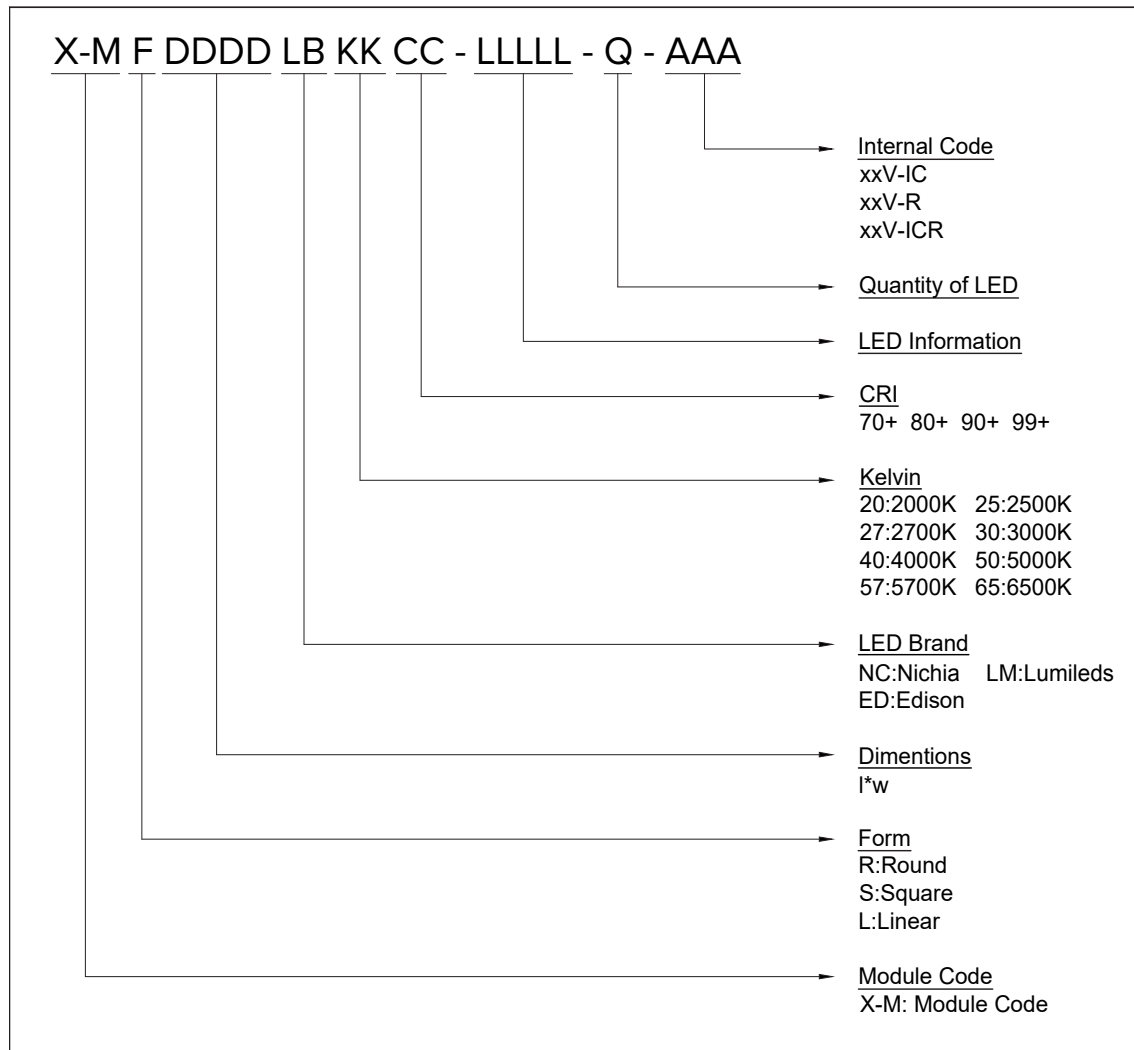


W/O LENS

TECHNICAL DATA

Beam Angle	120°
Ambient temperature range	-25° ~ +55°C
Tc max	85°C
Max. DC forward current	700mA
Typical voltage of LED Module at max current	24V
Insulation test voltage	2kV
ESD classification	Class 1
Risk group (EN 62471:2008)	2
Type of protection	IP00

ORDERING INFORMATION



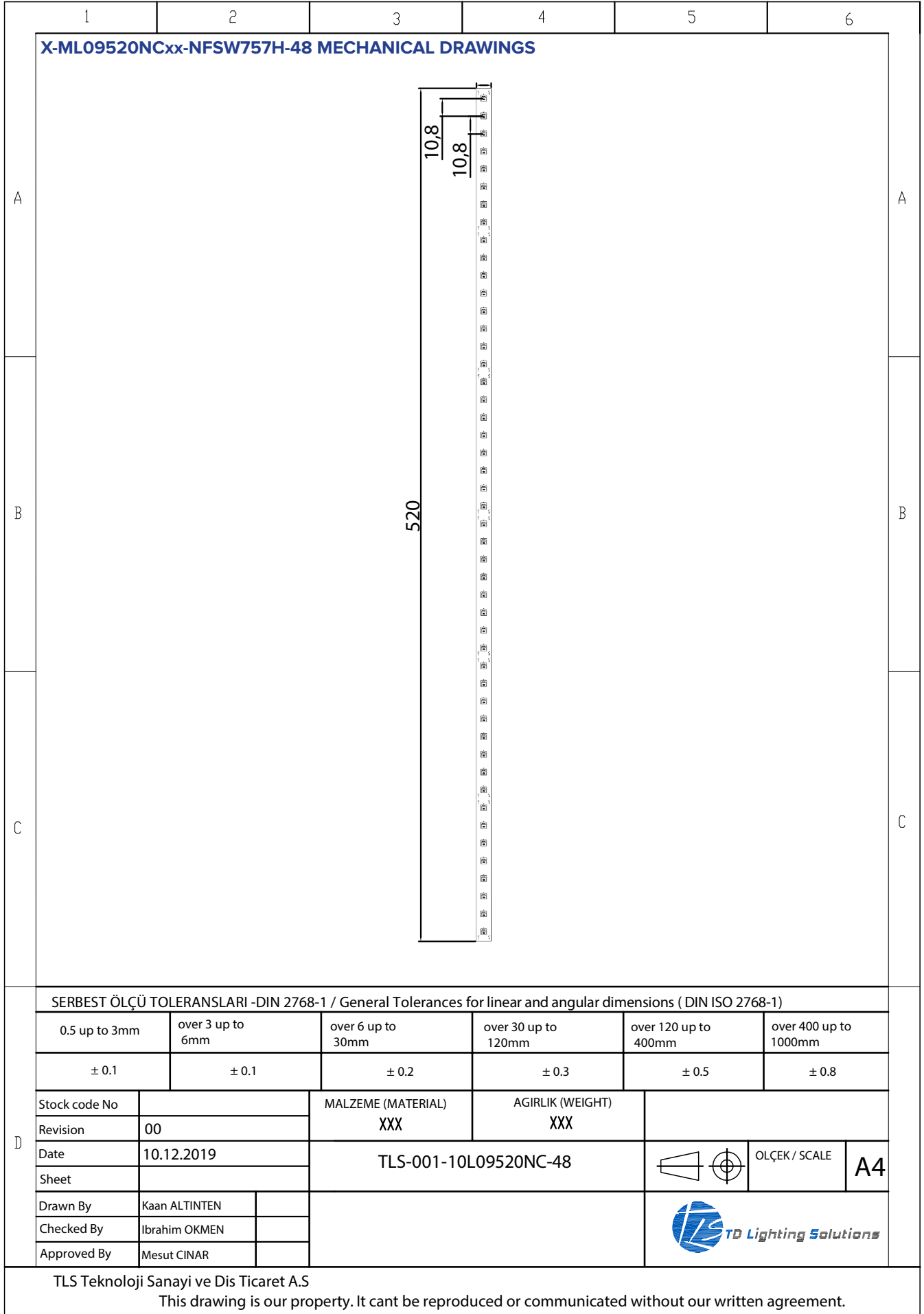
DRIVING CURRENT VS LUMEN OUTPUT SPECIFICATION

Common Characteristic [Tj : 85°C] ;			
Module Code	X-ML09520NCxx-NFSW757H-48		
PCB Material	ALU	Electrical Connection	
Operating Temperature (°C)	-40 ~ +85	Parallel	6
Storage Temperature (°C)	-40 ~ +55	Series	8
Thermal Conductivity (W/m-K)	1>	LED Quantity	48
LED NFSW757H_R8000			
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	21,76	22,40	23,20
Module Operating Current (mA)	350	500	700
Branch Operating Current (mA)	58	83	117
Module Power (W)	7,62	11,20	16,24
Module Light Output (lm)	1.371	1.926	2.566
Module Efficiency (lm/W)	180	172	158
LED NF2W757H-F1_R8000			
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	21,44	22,32	22,88
Module Operating Current (mA)	350	500	700
Branch Operating Current (mA)	58	83	117
Module Power (W)	7,50	11,16	16,02
Module Light Output (lm)	1.426	2.009	2.723
Module Efficiency (lm/W)	190	180	170

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)
NFSW757H_R8000	0,875	0,916	1	1	1
NF2W757H-F1_R8000	0,67	0,75	0,82	0,82	0,82

Relative luminous intensity versus CCT (°K)



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