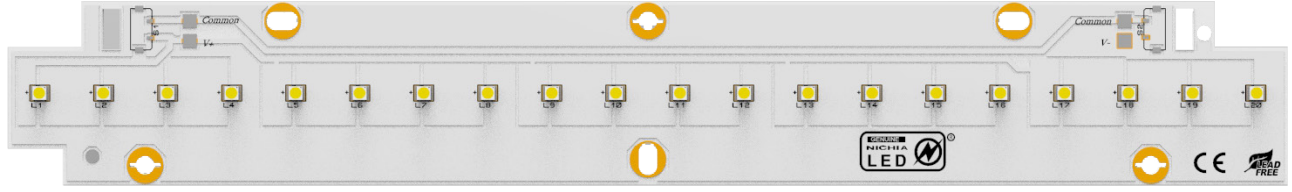


PRODUCT PHOTO



SPECIFICATIONS

- Default driving method is constant current input
- CCT Range from 2000°K up to 6500°K
- Luminous flux range from 655 lm to 1201 lm
- Efficacy of the module up to 180 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:

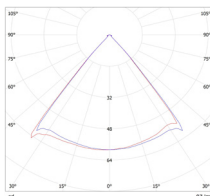
+90 444 27 33

APPLICATIONS



Office Lighting

PHOTOMETRY

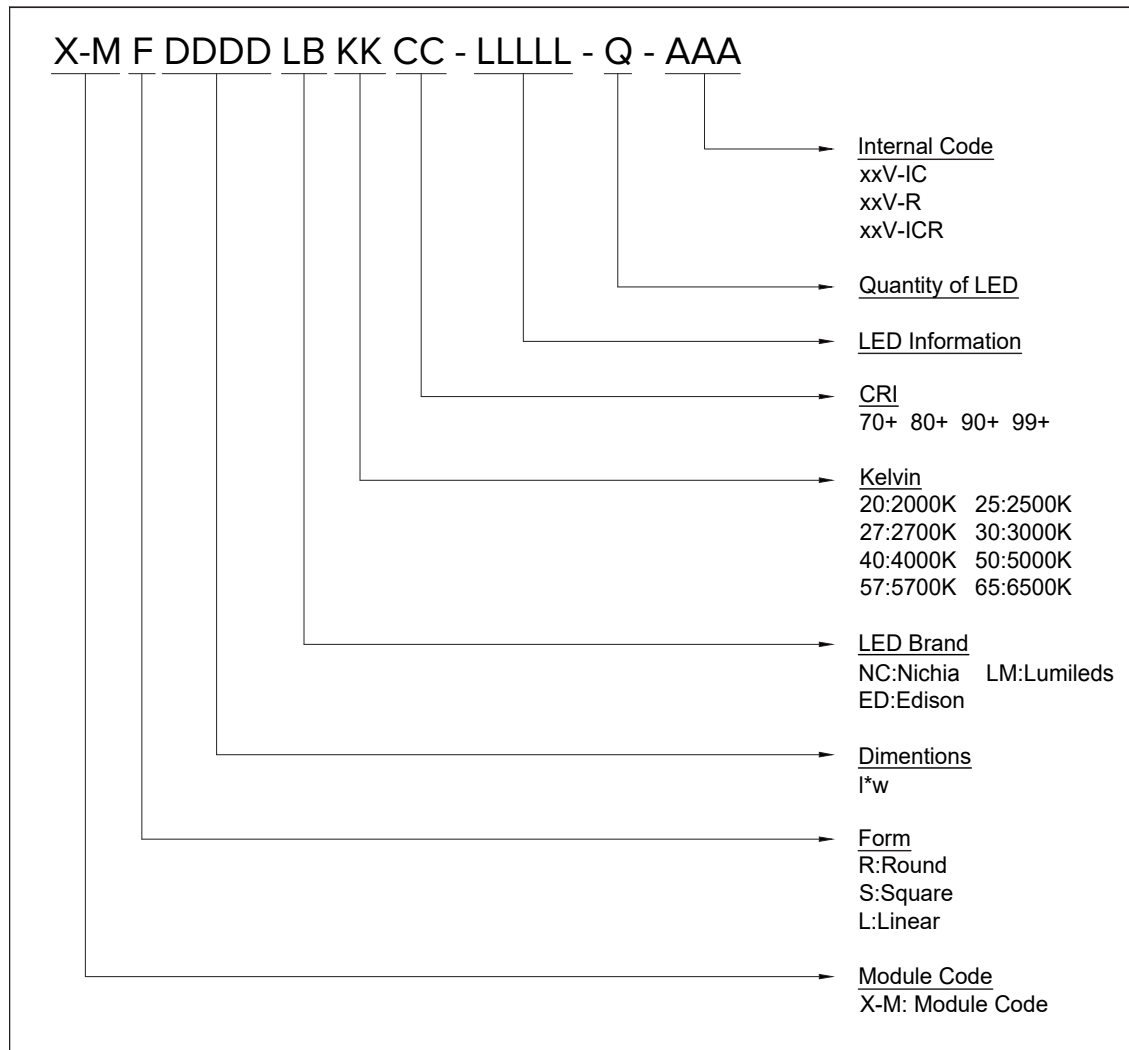


LL20NI-BDR82L06

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	12 V
Insulation test voltage	2kV
ESD classification	Class 1
Risk group (EN 62471:2008)	2
Type of protection	IP00

ORDERING INFORMATION



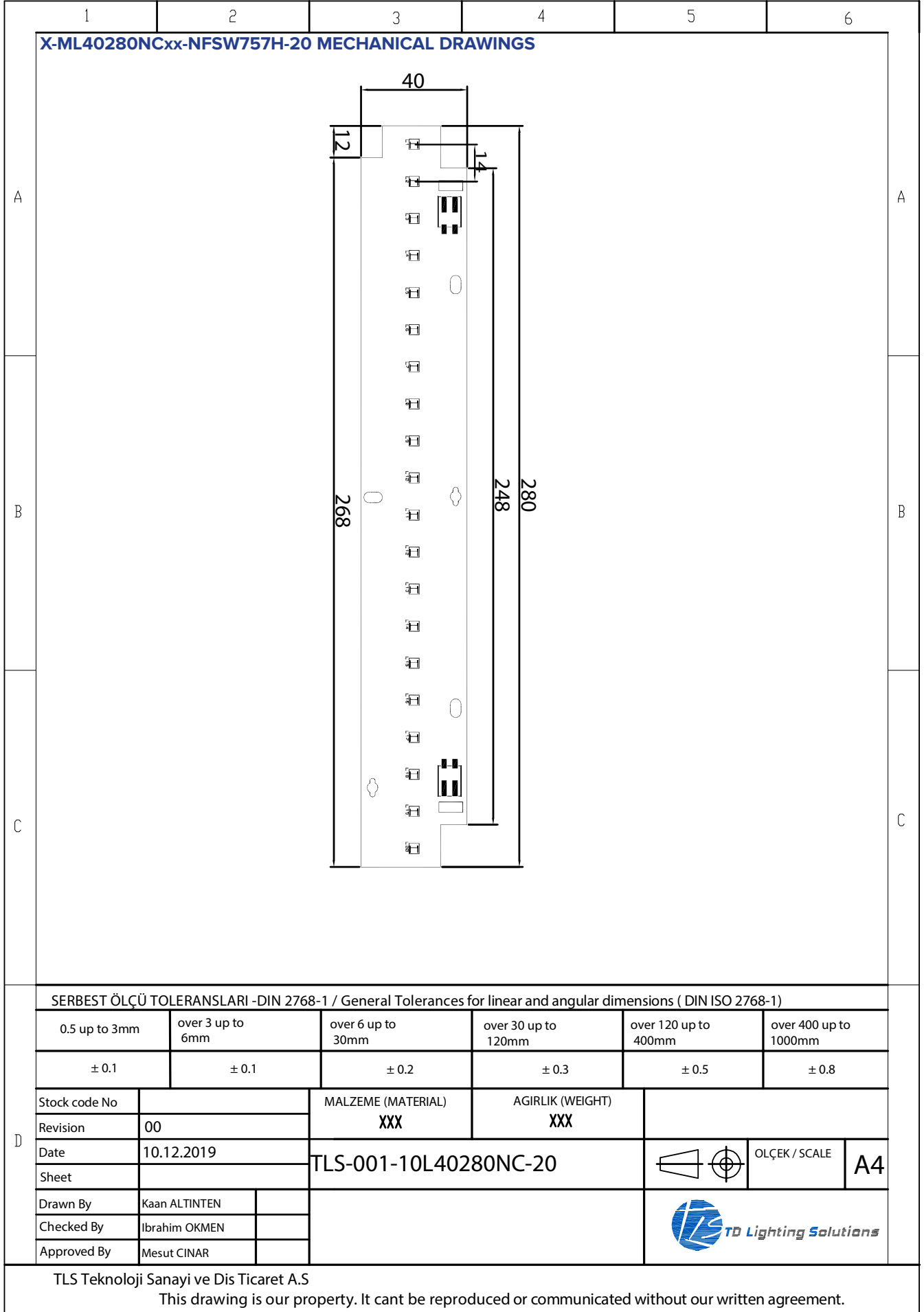
DRIVING CURRENT VS LUMEN OUTPUT SPECIFICATION

Common Characteristic [@Tj : 85°C] ;			
Module Code	X-ML40280NCxx-NFSW757H-20		
PCB Material	ALU	Electrical Connection	
Operating Temperature (°C)	-40 ~ +85	Parallel	5
Storage Temperature (°C)	-40 ~ +55	Series	4
Thermal Conductivity (W/m-K)	1>	LED Quantity	20
LED NFSW757H_R8000			
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	10,88	11,20	11,60
Module Operating Current (mA)	350	500	700
Branch Operating Current (mA)	70	100	140
Module Power (W)	3,81	5,60	8,12
Module Light Output (lm)	655	784	1.056
Module Efficiency (lm/W)	172	140	130
LED NF2W757H-F1_R8000			
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	10,72	11,16	11,44
Module Operating Current (mA)	350	500	700
Branch Operating Current (mA)	70	100	140
Module Power (W)	3,75	5,58	8,01
Module Light Output (lm)	675	937	1.201
Module Efficiency (lm/W)	180	168	150

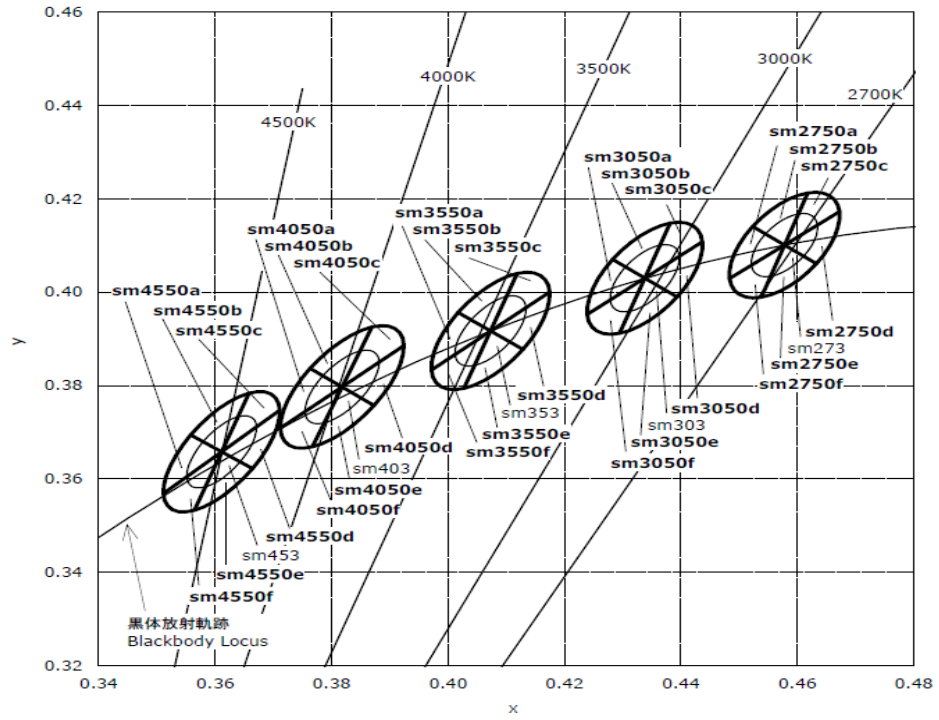
The table below shows how to Module Light Output changes depending on CCT (°K)

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)



CCT AND BINNING INFORMATION



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