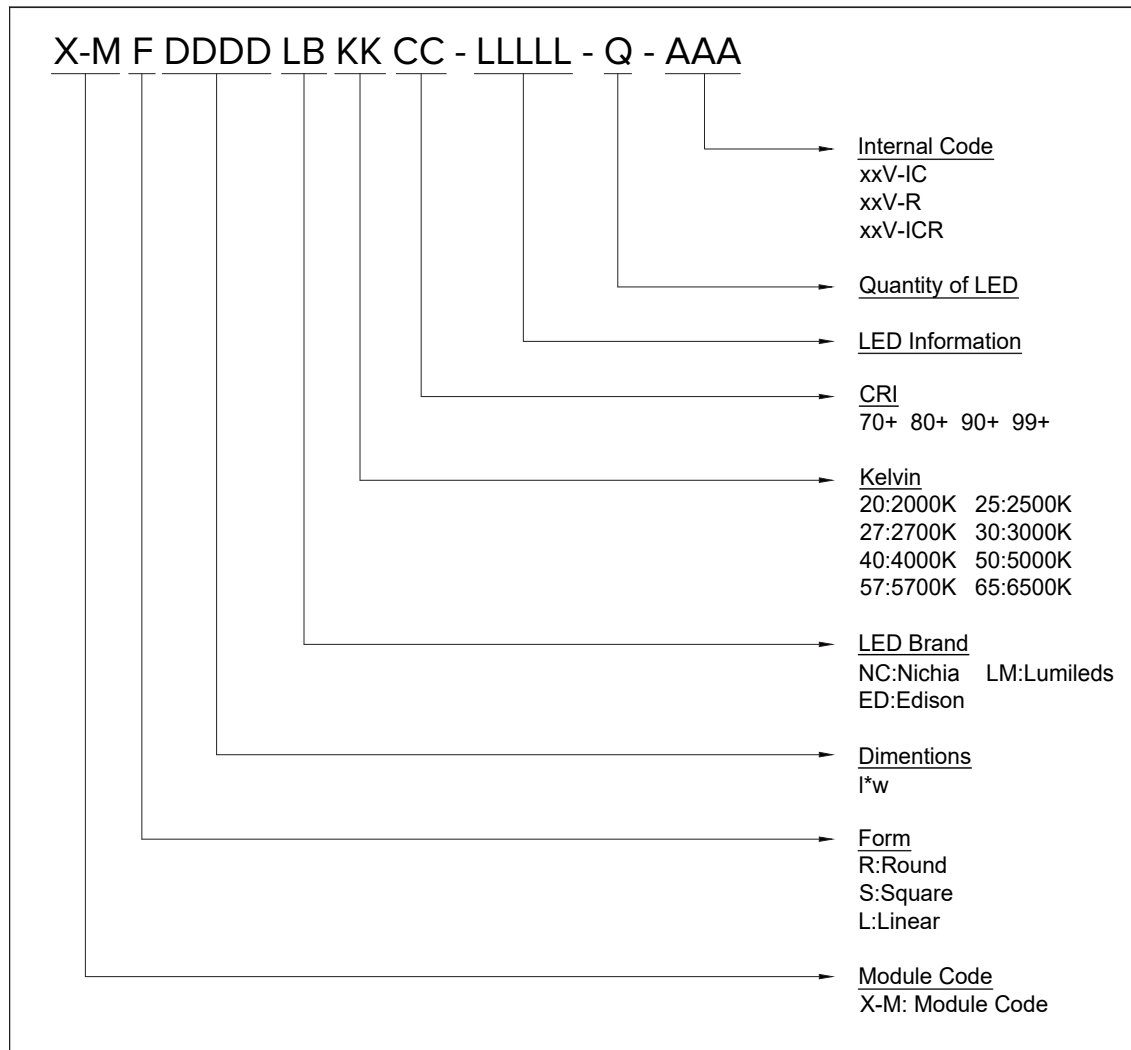


TECHNICAL DATA

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	35V
Insulation test voltage	2kV
ESD classification	Class 1
Risk group (EN 62471:2008)	2
Type of protection	IP00

ORDERING INFORMATION



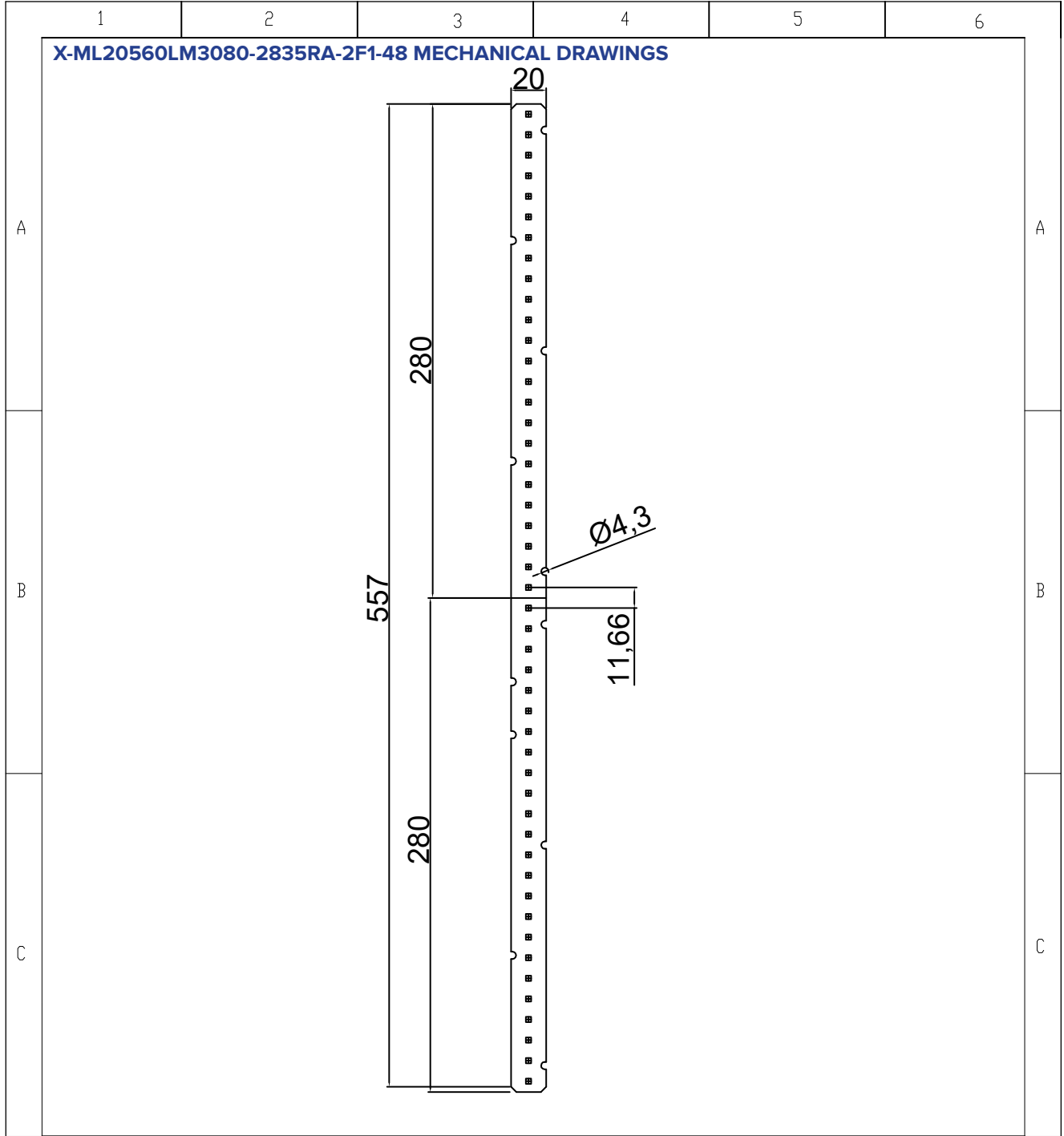
DRIVING CURRENT VS LUMEN OUTPUT SPECIFICATION

Common Characteristic [@Tj : 85°C] ;			
Module Code	X-ML20560LM3080-2835RA-2F1-48		
PCB Material	ALU	Electrical Connection	
Operating Temperature (°C)	-40 ~ +85	Parallel	4
Storage Temperature (°C)	-40 ~ +55	Series	12
Thermal Conductivity (W/m-K)	1>	LED Quantity	48
LED			
2835RA-2F1			
Correlated Color Temperature (CCT)	3000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	32,64	33,60	34,80
Module Operating Current (mA)	350	500	700
Branch Operating Current (mA)	88	125	175
Module Power (W)	11,42	16,80	24,36
Module Light Output (lm)	1.908	2.453	3.167
Module Efficiency (lm/W)	167	146	130
LED			
2835RA-2M1			
Correlated Color Temperature (CCT)	3000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	32,40	33,72	34,92
Module Operating Current (mA)	350	500	700
Branch Operating Current (mA)	88	125	175
Module Power (W)	11,34	16,86	24,44
Module Light Output (lm)	2,064	2,900	3,667
Module Efficiency (lm/W)	182	172	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)
L128-xx80RA35002F1	0,92	1	1,08	1,08	1,08
L128-xx80RA35002M1	0,92	1	1,08	1,08	1,08

Relative luminous intensity versus CCT (°K)



SERBEST ÖLÇÜ TOLERANSLARI -DIN 2768-1 / General Tolerances for linear and angular dimensions (DIN ISO 2768-1)

0.5 up to 3mm	over 3 up to 6mm	over 6 up to 30mm	over 30 up to 120mm	over 120 up to 400mm	over 400 up to 1000mm
± 0.1	± 0.1	± 0.2	± 0.3	± 0.5	± 0.8

Stock code No		MALZEME (MATERIAL)	AGIRLIK (WEIGHT)		
Revision	00	XXX	XXX		
Date	21.06.2021	TLS-001-01L20560NC30-15-T1.6		OLÇEK / SCALE	A4
Sheet					
Drawn By	Kaan ALTINTEN				
Checked By	Kaan ALTINTEN				
Approved By	Utku OZTURK				

TLS Teknoloji Sanayi ve Dis Ticaret A.S

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