







## DRIVING CURRENT VS LUMEN OUTPUT SPECIFICATION

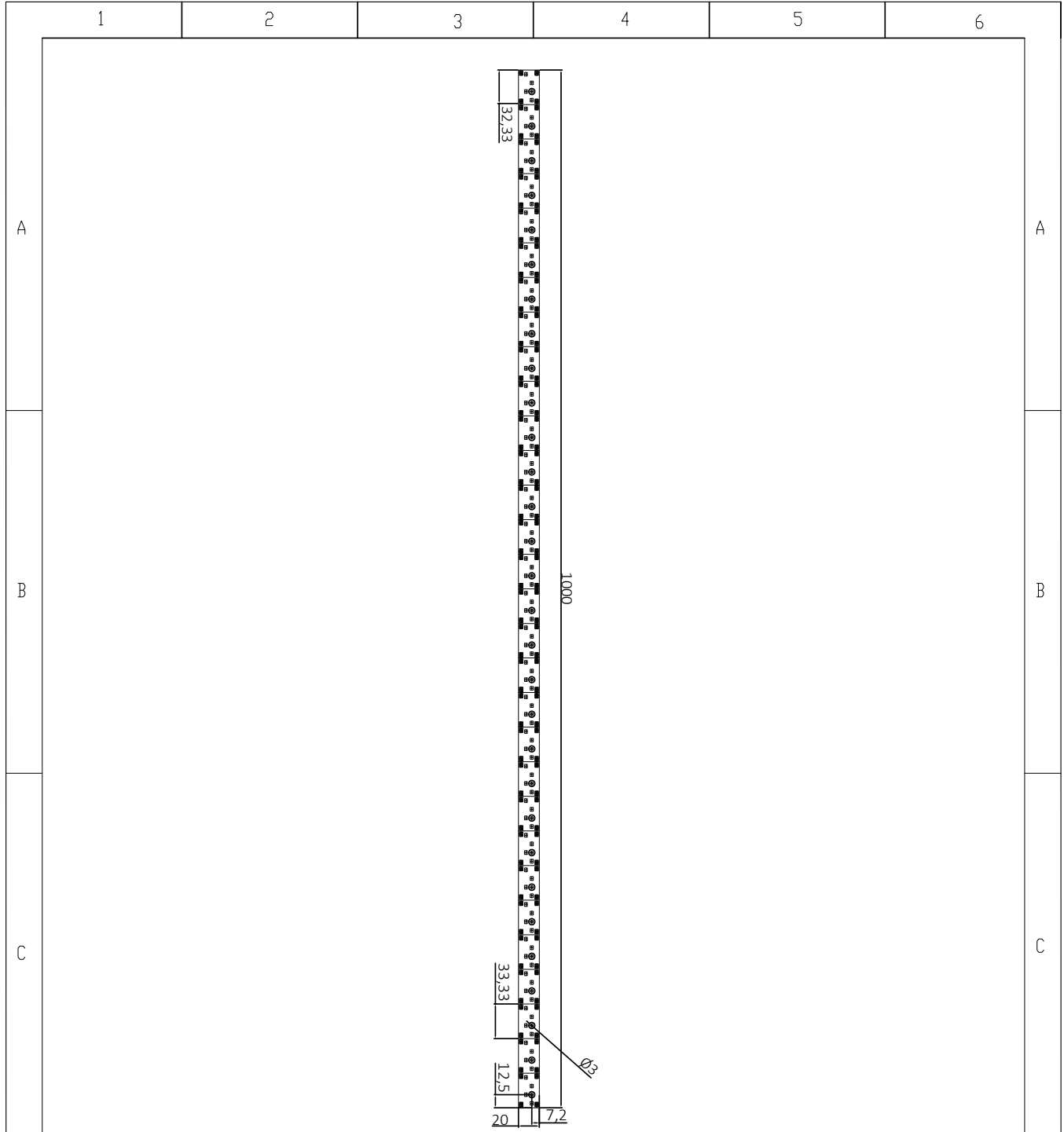
Common Characteristic [ @Tj : 85°C ] ;			
Module Code	X-ML201000SE4080-IAHO-120		
PCB Material	FR4	Electrical Connection	
Operating Temperature (°C)	-40 ~ +100	Parallel	4
Storage Temperature (°C)	-40 ~ +40	Series	30
Thermal Conductivity (W/m-K)	1>	LED Quantity	120
<b>LED Seoul IAHO</b>			
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	86	89	88
Module Operating Current (mA)	240	350	400
Branch Operating Current (mA)	60	88	100
Module Power (W)	20,66	31,19	35,16
Module Light Output (lm)	3.120	4.397	4.606
Module Efficiency (lm/W)	151	141	131
<b>LED Lumileds 2835 2K1</b>			
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	89	91	93
Module Operating Current (mA)	240	350	400
Branch Operating Current (mA)	60	88	100
Module Power (W)	21,46	31,71	37,20
Module Light Output (lm)	3.819	5.581	6.473
Module Efficiency (lm/W)	178	176	174
<b>LED Lumileds 2835 HE</b>			
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	80	81	82
Module Operating Current (mA)	240	350	400
Branch Operating Current (mA)	60	88	100
Module Power (W)	19,22	28,46	32,76
Module Light Output (lm)	3.979	5.719	6.486
Module Efficiency (lm/W)	207	201	198

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


LED	Lumen Output Multiplier				
	2700K (CRI 80)	3000K (CRI 80)	4000K (CRI 80)	5000K (CRI 80)	6500K (CRI 80)
Seoul IAHO	0,93	0,93	1	1	1
Lumileds 2835 2K1	0,9696	0,985	1	1	1
Lumileds 2835 HE	0,97	0,961	1	1	1

Relative luminous intensity versus CCT (K)

## X-ML201000SE4080-IAHO-120 MECHANICAL DRAWINGS



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	--	--		
Date	18.05.2023	TLS-001-01L201000LML28-120-T1		OLÇEK / SCALE	A4
Sheet				1 / 1	
Drawn By	Esra GENÇ				
Checked By	Ibrahim OKMEN				
Approved By	--				

TLS Teknoloji Sanayi ve Dis Ticaret A.S

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