

PRODUCT PHOTO



SPECIFICATIONS

- Default driving method is constant current input
- CCT Range from 1800K up to 6500K
- This module is standard and can be connected as 7 Series 10 Parallel.
- Luminous flux range from 400 lm to 3900 lm
- Efficacy of the module up to 170 lm/W
- CRI 80 is standard, 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:

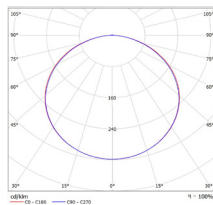
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APPLICATIONS



Architectural
Lighting

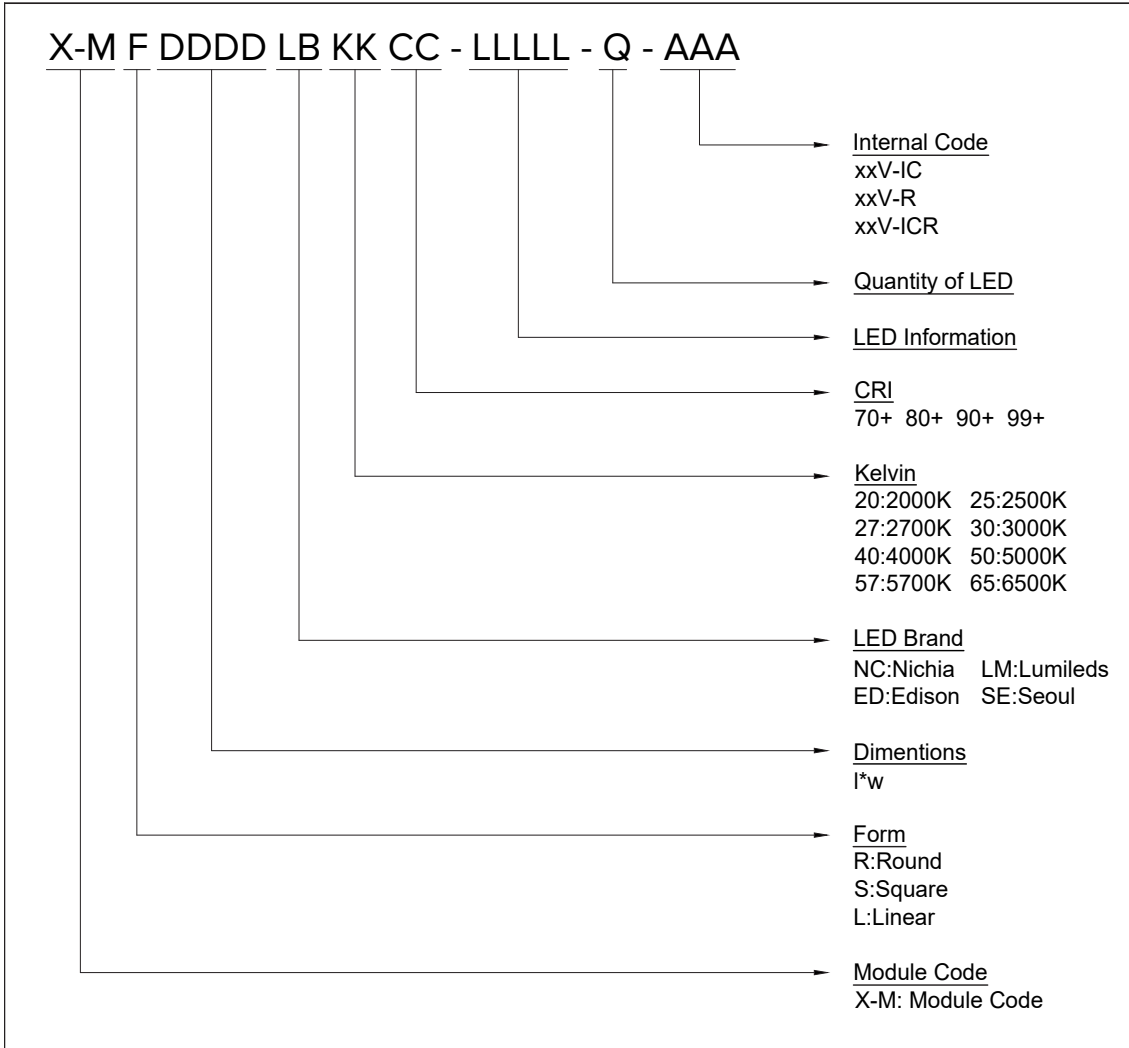
PHOTOMETRY



TECHNICAL DATA

Beam Angle	120°
Ambient temperature range	-25° ~ +55°C
Tc max	85°C
Lumileds 2835RA-3S1	
Max. DC forward current	1050
Typical voltage of LED Module at max current	21,7V
Insulation test voltage	2kV
ESD classification	Class 1
Risk group (EN 62471:2008)	2
Type of protection	IP00

ORDERING INFORMATIONS



DRIVING CURRENT VS LUMEN OUTPUT SPECIFICATION

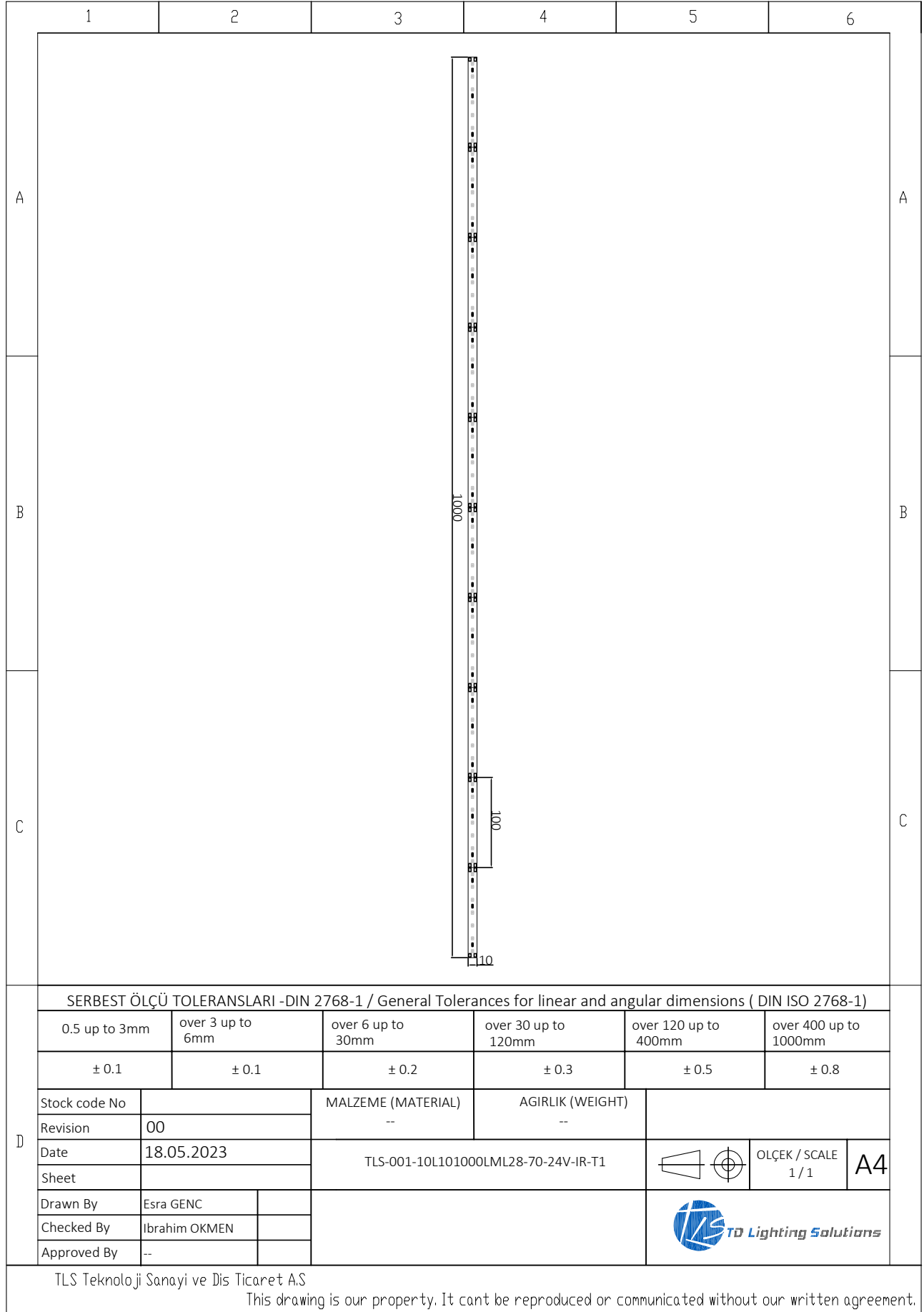
Common Characteristic [@Tj : 85°C] ;			
Module Code	X-ML101000LM4080-2835RA-70-24V-IR		
PCB Material	FR4	Electrical Connection	
Operating Temperature (°C)	-40 ~ +100	Parallel	10
Storage Temperature (°C)	-40 ~ +40	Series	7
Thermal Conductivity (W/m-K)	1>	LED Quantity	70
LED	Lumileds 2835RA-3S1		
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	24V	24V	24V
Module Operating Current (mA)	500	650	800
Branch Operating Current (mA)	50	65	80
Module Power (W)	12,00	15,60	19,20
Module Light Output (lm)	1.764	2.059	2.477
Module Efficiency (lm/W)	147	132	129

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

Lumen Output Multiplier					
LED	2700K (CRI 80)	3000K (CRI 80)	4000K (CRI 80)	5000K (CRI 80)	6500K (CRI 80)
Lumileds 2835RA-3S1	0,89	0,93	1	1	0,98

Relative luminous intensity versus CCT (K)

X-ML56276LM4080-5050HE-33 MECHANICAL DRAWINGS



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