TD Lighting Solutions

X-ML121000LM40802835RA-2K1-56-24V-IR

Linear Series

www.**tlsteknoloji**.com

PRODUCT PHOTO

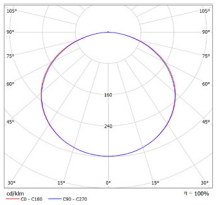
SPECIFICATIONS

- Default driving method is constant current input
- CCT Range from 2000K up to 6500K
- This module is standard and can be connected as 7 Series 8 Parallel.
- Luminous flux range from 385 lm to 3724 lm
- Efficacy of the module up to 202 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:
+90 444 27 33

APPLICATIONS

PHOTOMETRY



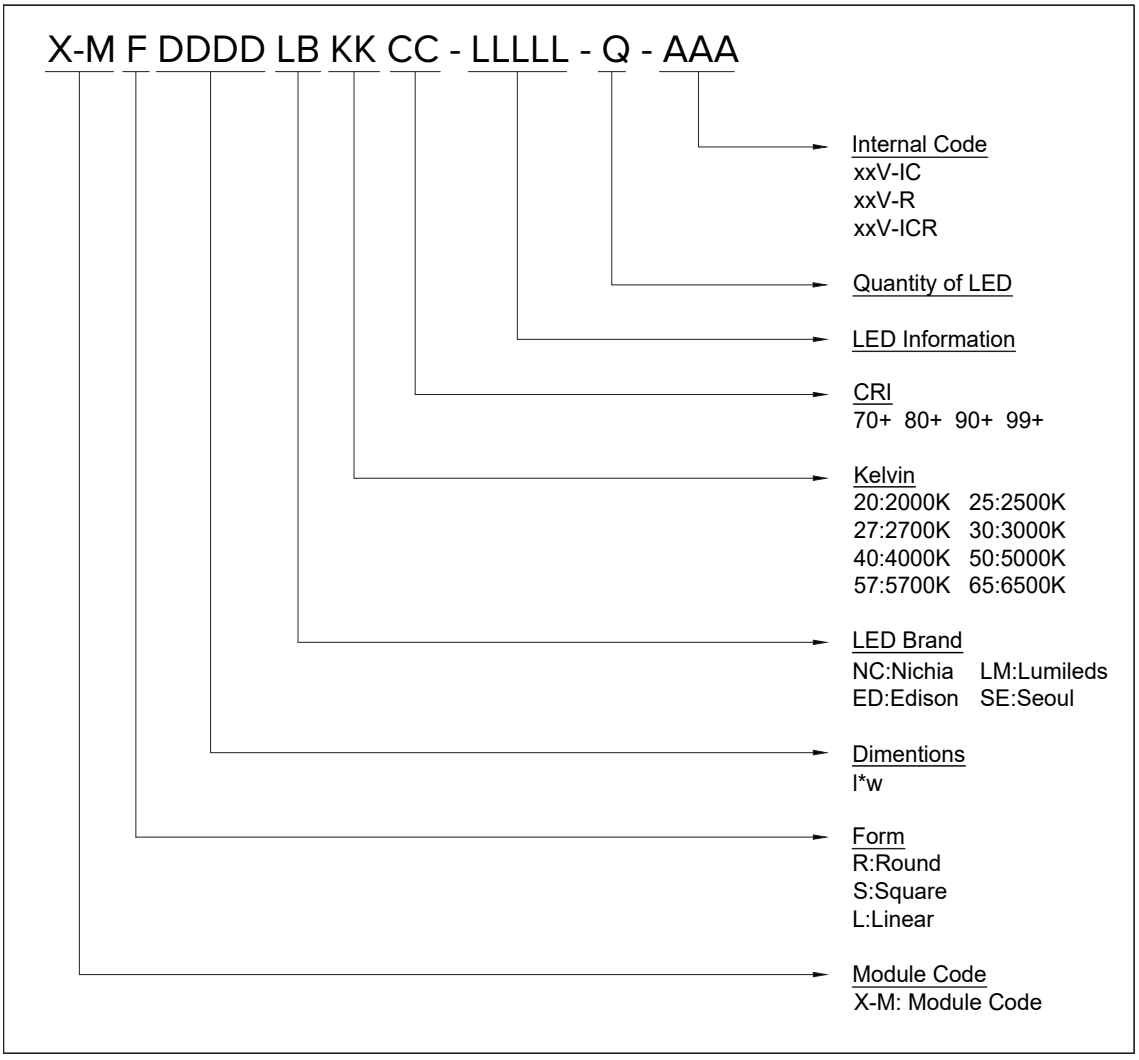
W/O LENS

Akçaburgaz Mahallesi 3080. Sokak No:5 Esenyurt / İstanbul | www. tlsteknoloji.com | TEL: +90 444 27 33

TECHNICAL DATA

Beam Angle	120°	
Ambient temperature range	-25° ~ +55°C	
Tc max	85°C	
	2835RA-2K1	**Seoul IAH0**
Max. DC forward current	900mA	900mA
Typical voltage of LED Module at max current	22,4V	22,4V
Insulation test voltage	2kV	2kV
ESD classification	Class 1	Class 1
Risk group (EN 62471:2008)	2	2
Type of protection	IP00	IP00

ORDERING INFORMATIONS



DRIVING CURRENT VS LUMEN OUTPUT SPECIFICATION

Common Characteristic [@Tj : 85°C] ;				
Module Code	X-ML121000LM40802835RA-2K1-56-24V-IR			
PCB Material	FR4		**Electrical Connection**	
Operating Temperature (°C)	-40 ~ +100		Parallel	8
Storage Temperature (°C)	-40 ~ +55		Series	7
Thermal Conductivity (W/m-K)	1>		LED Quantity	56
LED		**2835RA-2K1**		
Correlated Color Temperature (CCT)		**4000K**		
Color Rendering Index (CRI)		80+		
Module Operating Voltage (V)	21	21	21	
Module Operating Current (mA)	500	700	900	
Branch Operating Current (mA)	63	88	113	
Module Power (W)	10,43	14,85	19,22	
Module Light Output (lm)	1.763	2.361	2.805	
Module Efficiency (lm/W)	169	159	146	
LED		**Seoul IAH0**		
Correlated Color Temperature (CCT)		**4000K**		
Color Rendering Index (CRI)		80+		
Module Operating Voltage (V)	20	21	21	
Module Operating Current (mA)	500	700	900	
Branch Operating Current (mA)	63	88	113	
Module Power (W)	10,08	14,50	18,90	
Module Light Output (lm)	1.552	2.147	2.457	
Module Efficiency (lm/W)	154	148	130	

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)
2835RA-2K1	0,96	0,98	1	1	1
Seoul IAH0	0,92	0,93	1	1	1

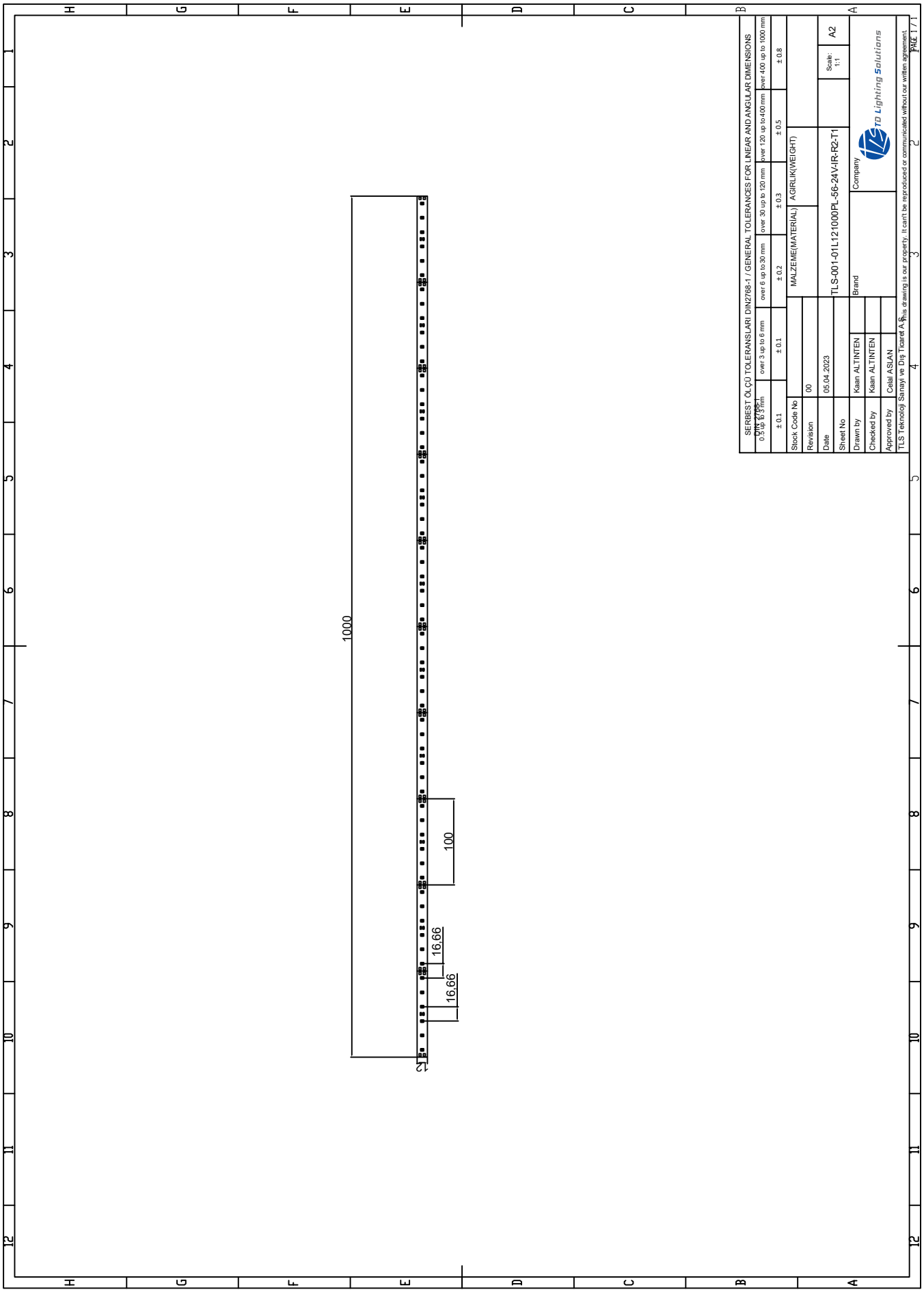
Relative luminous intensity versus CCT (K)

DATASHEET

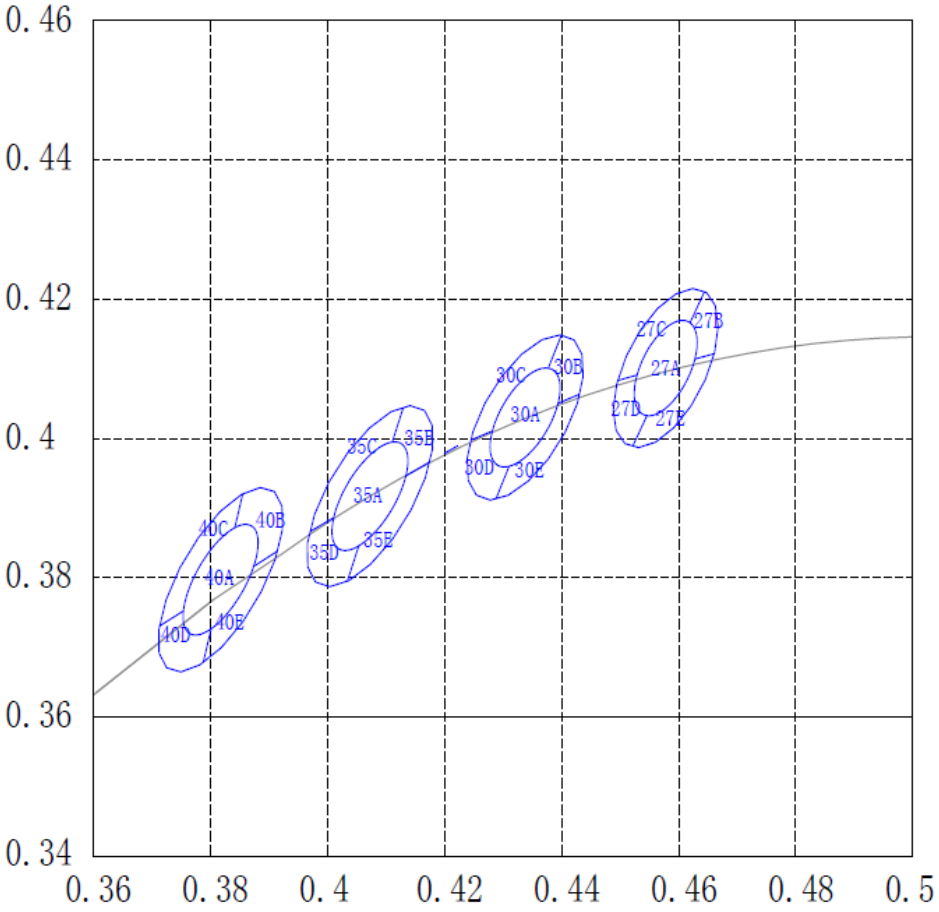
X-ML121000LM40802835RA-2K1-56-24V-IR

TD Lighting Solutions

X-ML121000LM40802835RA-2K1-56-24V-IR MECHANICAL DRAWINGS



CCT AND BINNING INFORMATION



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