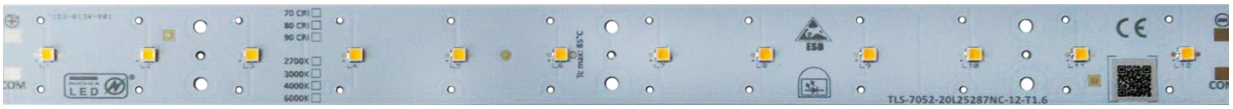
TD Lighting Solutions

X-ML25287NC40-NF2L757GR-12

Linear Series

www.**tlsteknoloji**.com

PRODUCT PHOTO



SPECIFICATIONS

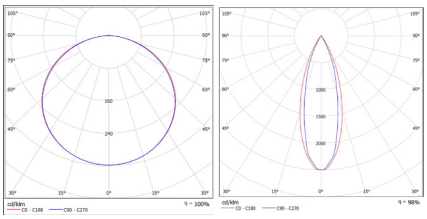
- Default driving method is constant current input
- This module can be broken 6 parts equally.
- CCT Range from 2000°K up to 6500°K
- Luminous flux range from 1840 lm to 3645 lm
- Efficacy of the module up to 164 lm/W
- CRI 80 is standart, CRI 70 and CRI 90 are available
- Outstanding system color tolerance MacAdam 3 over the full operating area
- Simple installation
- Long life-time > 60,000 hours
- 5 years guarantee at specified conditions

For your orders please call us:
+90 444 27 33

APPLICATIONS

Interior Architecrual Lighting

PHOTOMETRY

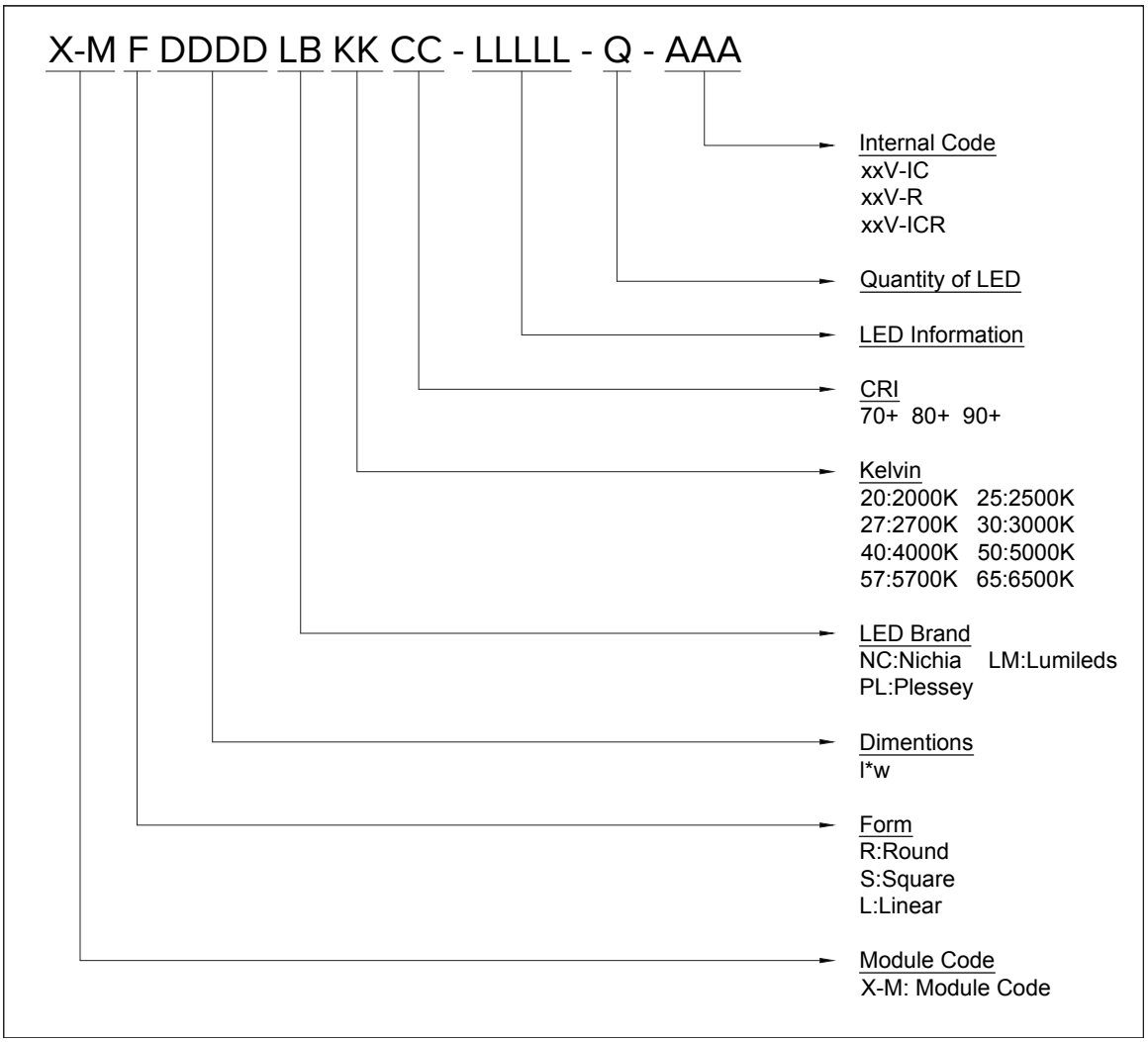


W/O LENS LEDIL Florentına-M

TECHNICAL DATA

Beam Angle	120°
Ambient temperature range	-25° ~ +85°C
Tc max	85°C
Max. DC forward current	700 mA
Typical voltage of LED Module at max current	19V
Insulation test voltage	2kV
ESD classification	Class 1C
Risk group (EN 62471:2008)	RG1 : ILED < 100mA, RG2: ILED > 100mA
Type of protection	IP00

ORDERING INFORMATIONS



DRIVING CURRENT VS LUMEN OUTPUT SPECIFICATION

Common Characteristic [@Tj : 85°C]					
LED Brand & Type	X-ML25287NC40-NF2L757GR-12			Electrical Connection	
PCB Material	Aluminium				
Operating Temperature (°C)	-25°C ~ 85°C			Parallel	4
Storage Temperature (°C)	-25°C ~ 85°C			Series	3
Thermal Conductivity (W/m-K)	1,5			Total LED Quantity	12
LED	**NF2L757GR-V1_R8000**				
Correlated Color Temperature (CCT)	**4000K**				
Color Rendering Index (CRI)	80+				
Module Operating Current (mA)	**350**	**500**	**700**		
Branch Operating Current (mA)	88	125	175		
Module Operating Voltage (V)	17,8	18	18,6		
Module Power (W)	6,23	9,00	13,02		
Module Light Output (lm)	1015	1359	1784		
Module Efficiency (lm/W)	**163**	**151**	**137**		

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

	Lumen Output Multiplier													
LED	2000°K (CRI 80)	2500°K (CRI 80)	2700°K (CRI 80)	3000°K (CRI 80)	4000°K (CRI 80)	5000°K (CRI 70)	5000°K (CRI 80)	5000°K (CRI 90)	5700°K (CRI 70)	5700°K (CRI 80)	5700°K (CRI 90)	6500°K (CRI 70)	6500°K (CRI 80)	6500°K (CRI 90)
NF2x757GR-V1	0,635	0,759	0,949	0,985	1,000	1,052	1,029	0,841	1,052	1,001	0,834	1,045	1,001	0,834

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DATASHEET

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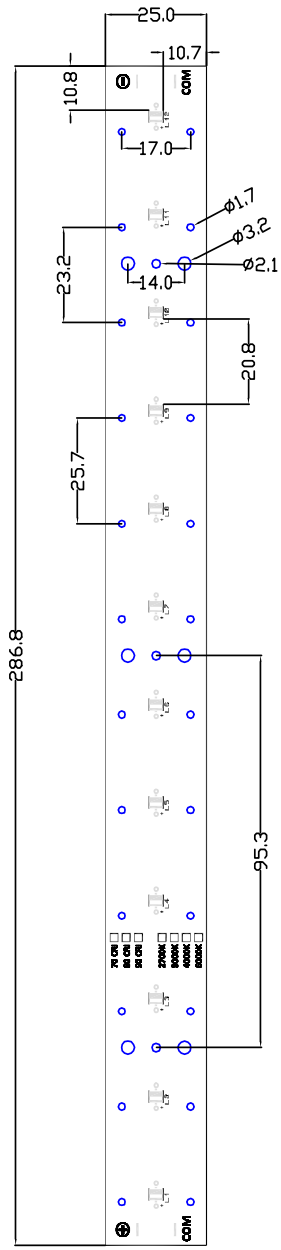
X-ML25287NC40-NF2L757GR-12 MECHANICAL DRAWINGS



SERBEST ÖLÇÜ TOLERANSLARI -DIN 2768-1 / General Tolerances for linear and angular dimensions (DIN ISO 2768-1)											
0.5 up to 3mm	± 0.1	over 3 up to 6mm	± 0.1	over 6 up to 30mm	± 0.2	over 30 up to 120mm	± 0.3	over 120 up to 400mm	± 0.5	over 400 up to 1000mm	± 0.8

Stock code No : 3970		MALZEME (MATERIAL) PC	AGIRLIK (WEIGHT)	
Revision : 00				
Date: 17.11.2017		PARÇA NO (PART NO) TLS-7052-20L25287NC-12-T1.6	ÖLÇEK / SCALE	A4
Sheet : 1				
Drawn By	R.TAS			
Checked By	D. SANATSEVER			
Approved By	M. CINAR			

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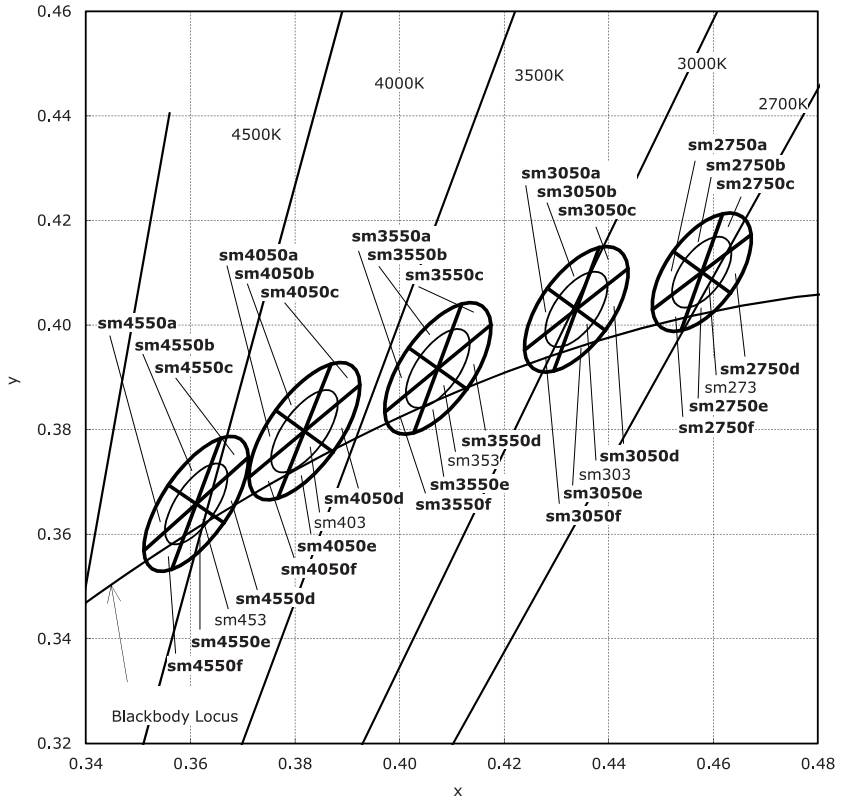
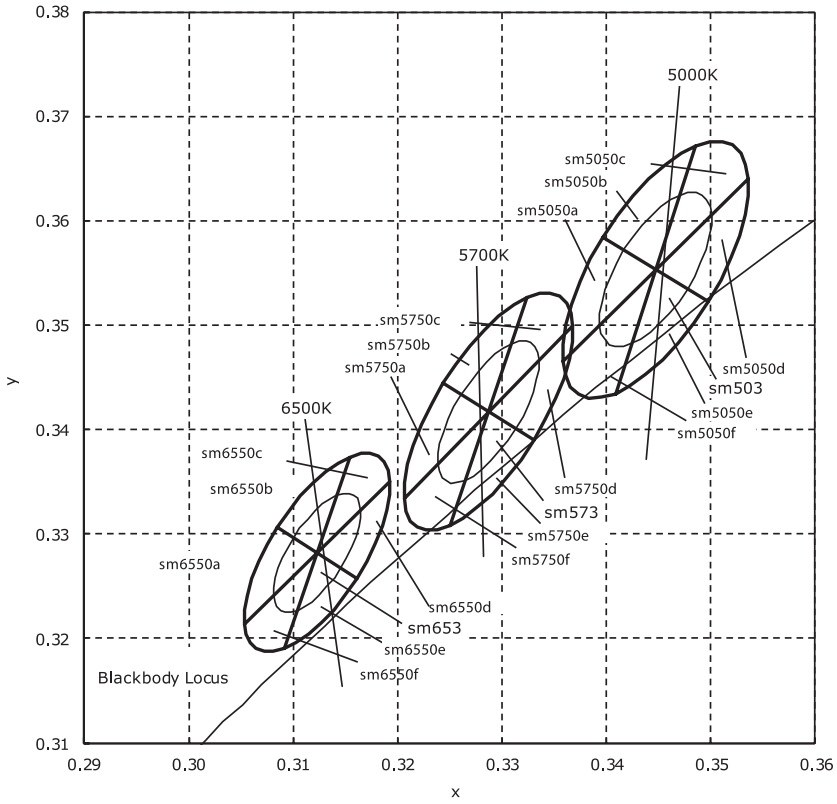
CCT AND BINNING INFORMATION





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LIFETIME PROJECTION & WORST CONDITION PERFORMANCE

MODEL NUMBER: **NF2L757GR**

Test Summary:

Data Set	Case Temperature [T_S]	Ambient Temperature [T_A]	Drive Current [I_F]	Lumen Maintenance at 6,000 hours	Chromaticity Shift (Δu'v') at 6,000 hours	TM-21 Projection L_{70}(6K)
1	55 °C	> 50 °C	100 mA	97.7 %	0.0016	> 36000 hours
2	55 °C	> 50 °C	150 mA	97.5 %	0.0021	> 36000 hours
3	85 °C	> 80 °C	100 mA	95.2 %	0.0019	> 36000 hours
4	85 °C	> 80 °C	150 mA	94.7 %	0.0024	> 36000 hours

Data Set 6 : 105°C, 120mA

Test Duration used	0-6000 hrs
B	1,0107
α	2,0007E-01

Curve-fit equation:
$\Phi(t)=Bexp(-\alpha t)$

Lumen maintenance life equation:
$L_{70} = ln(B/0.7)/\alpha$

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