

PRODUCT PHOTO



SPECIFICATIONS

- Default driving method is constant current input
- CCT Range from 2000°K up to 6500°K
- This module is optional and can be connected as 12 Series 6 Parallel.
- Luminous flux range from 2056 lm to 4084 lm
- Efficacy of the module up to 190 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 (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

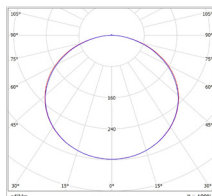


Tube Light

Cove Light

Panel Light

PHOTOMETRY

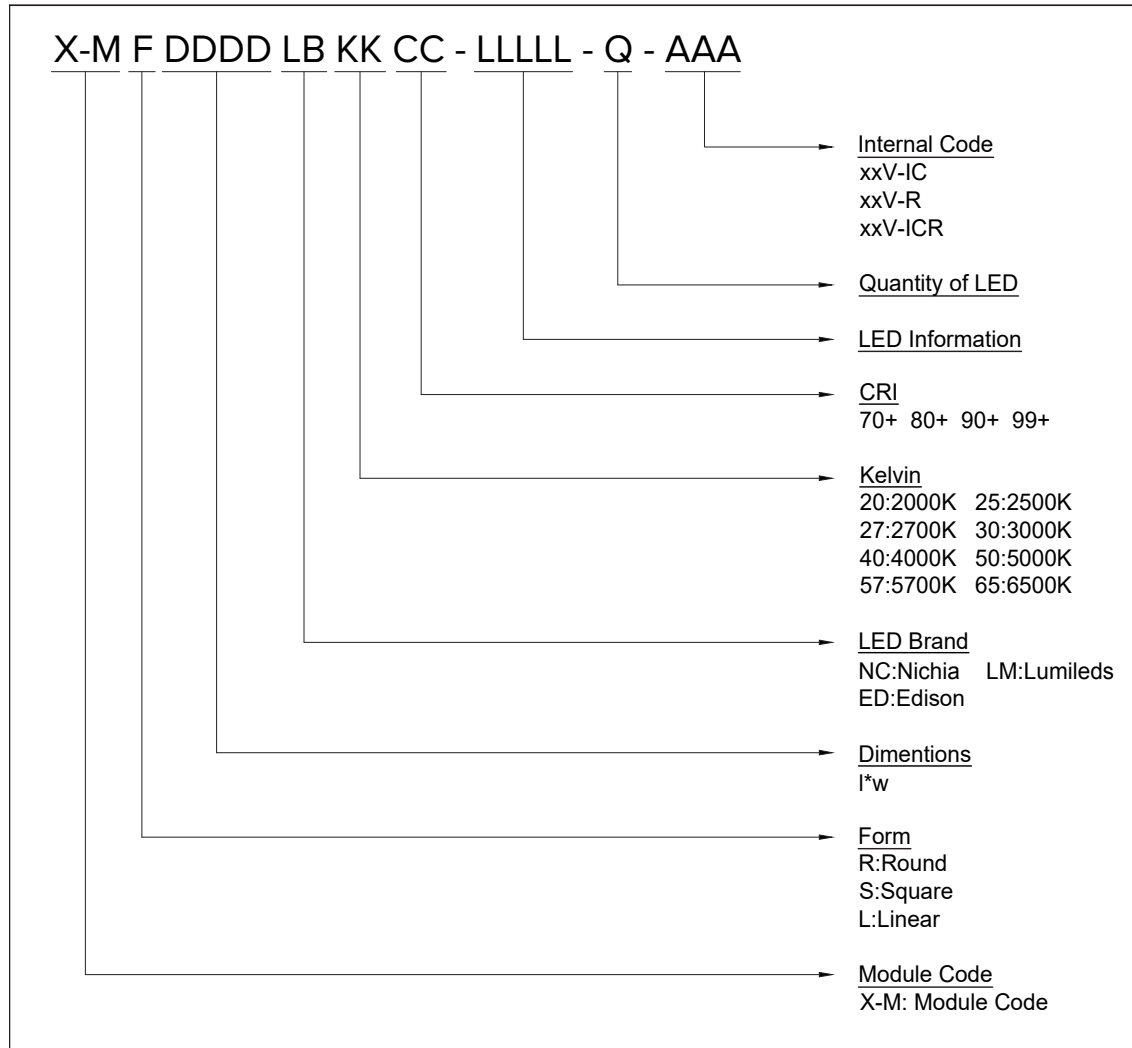


W/O LENS

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



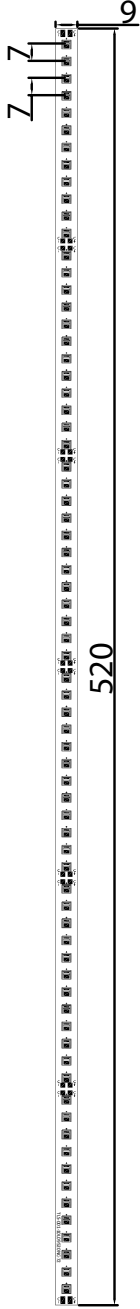
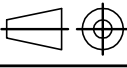

DRIVING CURRENT VS LUMEN OUTPUT SPECIFICATION

Common Characteristic [@Tj : 85°C];			
Module Code	X-ML09520NCxx-NFSW757H-72		
PCB Material	ALU	Electrical Connection	
Operating Temperature (°C)	-40 ~ +85	Parallel	6
Storage Temperature (°C)	-40 ~ +55	Series	12
Thermal Conductivity (W/m-K)	1>	LED Quantity	72
LED NFSW757H_R8000			
Correlated Color Temperature (CCT)	4000K		
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)	58	83	117
Module Power (W)	11,42	16,80	24,36
Module Light Output (lm)	2.056	2.890	3.849
Module Efficiency (lm/W)	180	172	158
LED NF2W757H-F1_R8000			
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	32,16	33,48	34,32
Module Operating Current (mA)	350	500	700
Branch Operating Current (mA)	58	83	117
Module Power (W)	11,26	16,74	24,02
Module Light Output (lm)	2.139	3.013	4.084
Module Efficiency (lm/W)	190	180	170

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)
NFSW757H_R8000	0,875	0,916	1	1	1
NF2W757H-F1_R8000	0,67	0,75	0,82	0,82	0,82

Relative luminous intensity versus CCT (°K)

1	2	3	4	5	6	
X-ML09520NCxx-NFSW757H-72 MECHANICAL DRAWINGS						
A					A	
B					B	
C					C	
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	10.12.2019		TLS-001-10L09520NC-72		OLÇEK / SCALE	A4
Sheet						
Drawn By	Kaan ALTINTEN					
Checked By	Ibrahim OKMEN					
Approved By	Mesut CINAR					
TLS Teknoloji Sanayi ve Dis Ticaret A.S This drawing is our property. It cant be reproduced or communicated without our written agreement.						

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