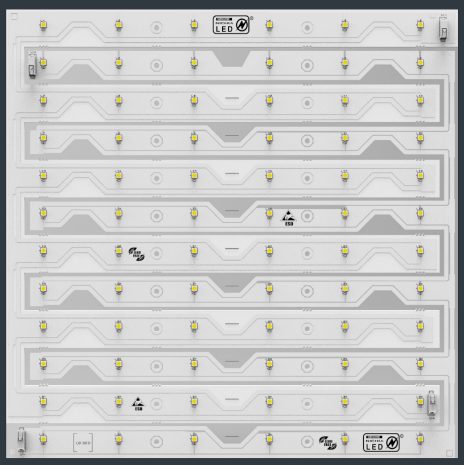
TD Lighting Solutions



X-MS270270NCxx-NFSW757H-36/72

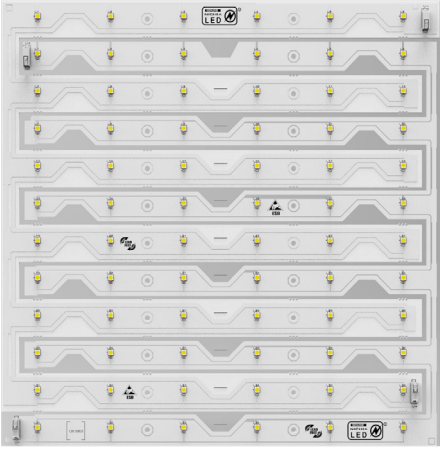
Square Series

www.**tlsteknoloji**.com

DATASHEET

X-MS270270NCxx-NFSW757H-36/72

PRODUCT PHOTO



SPECIFICATIONS

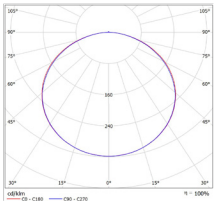
- Default driving method is constant current input
- CCT Range from 2000°K up to 6500°K
- Luminous flux range from 1426 lm to 3106 lm
- Efficacy of the module up to 190 lm/W
- CRI 80 is standart, CRI 70 and CRI 90 are available
- Outstanding system color tolerance MacAdam 3 over the full operating area
- 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

Office Lighting

PHOTOMETRY



W/O LENS

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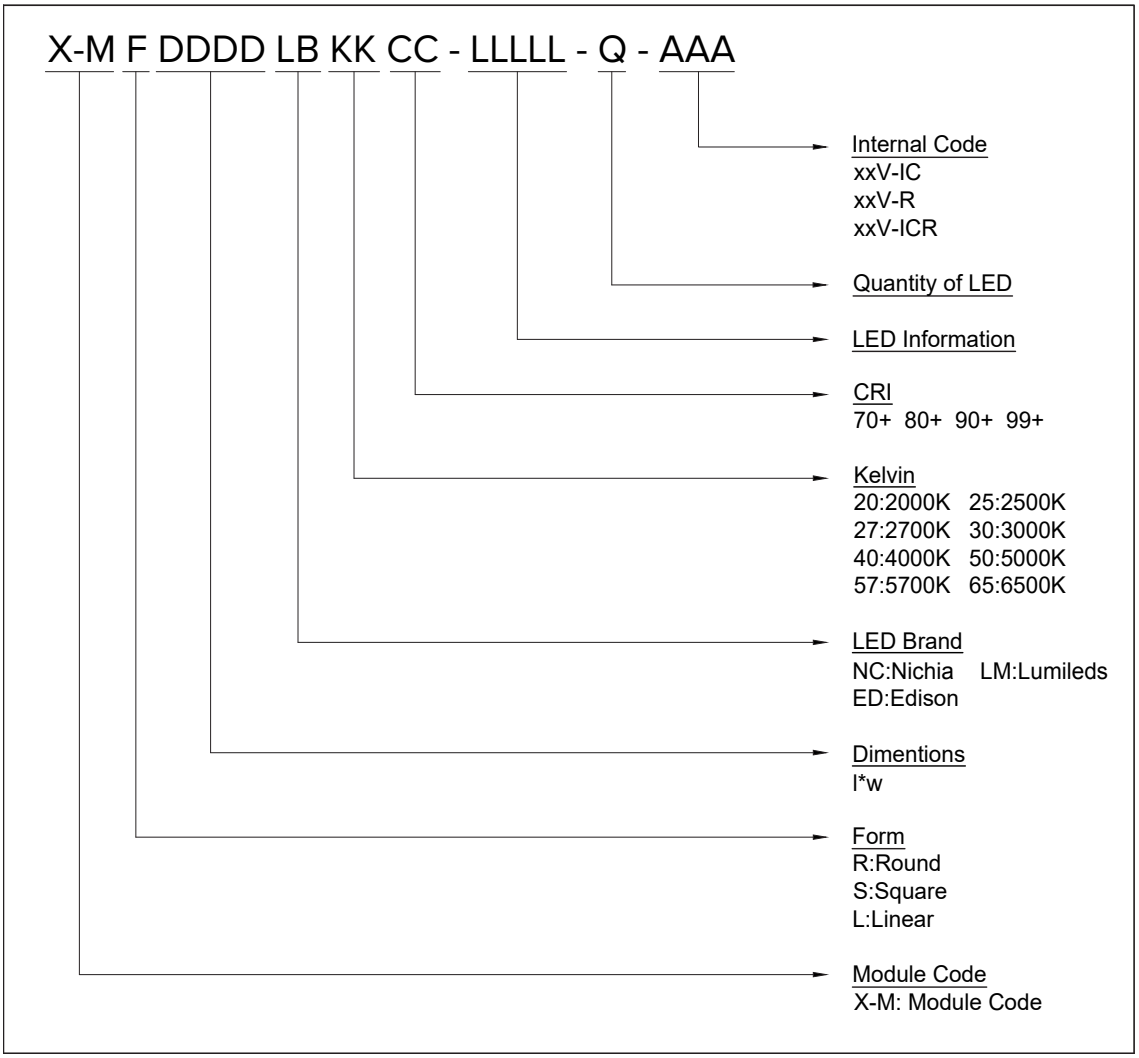
TECHNICAL DATA

Beam Angle	120°
Ambient temperature range	-25° ~ +55°C
Tc max	85°C
Max. DC forward current	1050mA
Typical voltage of LED Module at max current	18V
Insulation test voltage	2kV
ESD classification	Class 1
Risk group (EN 62471:2008)	1
Type of protection	IP00

ORDERING INFORMATIONS



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DRIVING CURRENT VS LUMEN OUTPUT SPECIFICATION

Common Characteristic [@Tj : 85°C] ;				
Module Code	X-MS270270NCxx-NFSW757H-36/72			
PCB Material	FR4		**Electrical Connection**	
Operating Temperature (°C)	-40 ~ +85		Parallel	6
Storage Temperature (°C)	-40 ~ +55		Series	6
Thermal Conductivity (W/m-K)	1>		LED Quantity	36
LED		**NFSW757H_R8000**		
Correlated Color Temperature (CCT)		**4000K**		
Color Rendering Index (CRI)		80+		
Module Operating Voltage (V)	16,20	16,80	17,40	
Module Operating Current (mA)	500	700	1050	
Branch Operating Current (mA)	83	117	175	
Module Power (W)	8,10	11,76	18,27	
Module Light Output (lm)	1.426	1.905	2.814	
Module Efficiency (lm/W)	176	162	154	
LED		**NF2W757H-F1_R8000**		
Correlated Color Temperature (CCT)		**4000K**		
Color Rendering Index (CRI)		80+		
Module Operating Voltage (V)	16,32	16,80	17,40	
Module Operating Current (mA)	500	700	1050	
Branch Operating Current (mA)	83	117	175	
Module Power (W)	8,16	11,76	18,27	
Module Light Output (lm)	1.550	2.117	3.106	
Module Efficiency (lm/W)	190	180	170	

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

Lumen Output Multiplier					
LED	2700°K (CRI 80)	3000°K (CRI 80)	4000°K (CRI 80)	5000°K (CRI 80)	6500°K (CRI 80)
NFSW757H_R8000	0,67	0,75	0,82	0,82	0,82
NF2W757H-F1_R8000	0,875	0,916	1	1	1

Relative luminous intensity versus CCT (°K)

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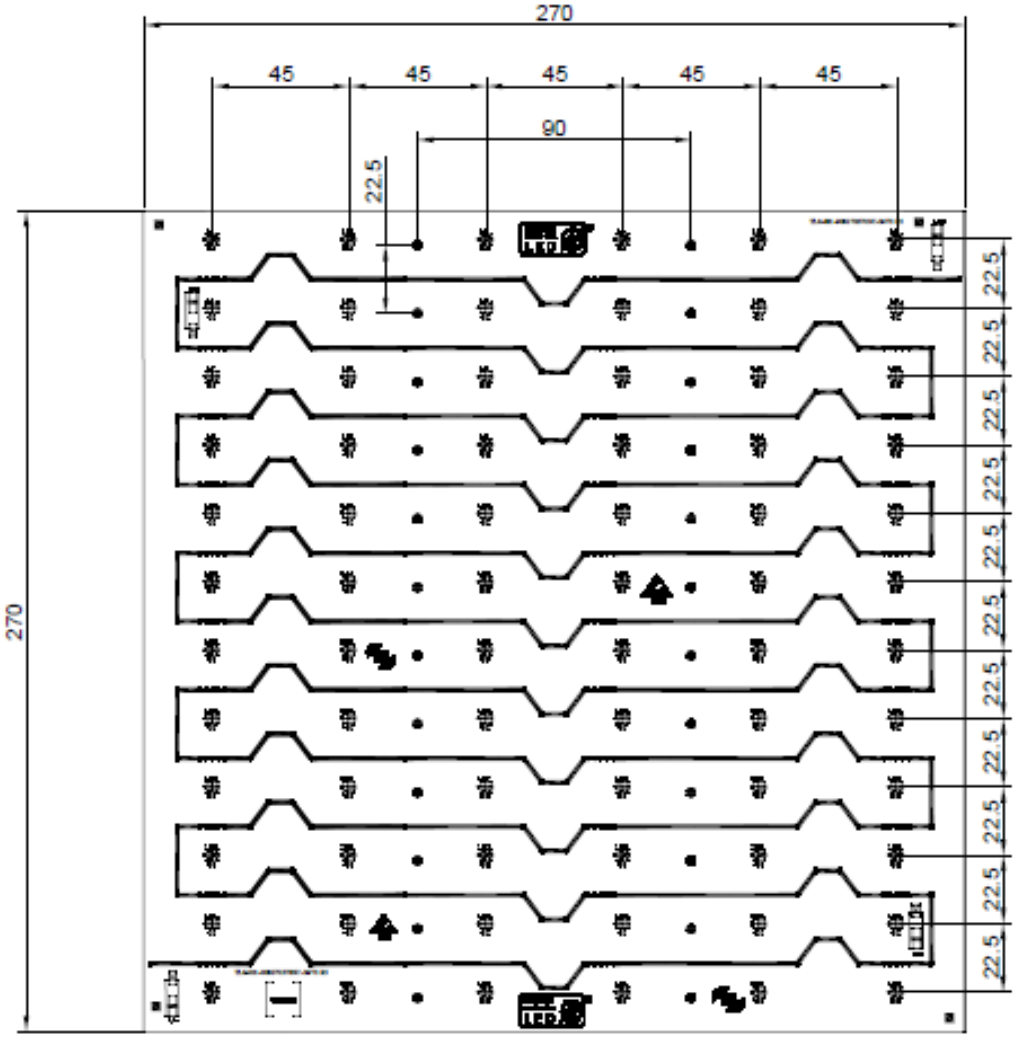
X-MS270270NCxx-NFSW757H-36/72 MECHANICAL DRAWINGS



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) XXX	AGIRLIK (WEIGHT) XXX
Revision	00		
Date	10.12.2019	TLSP-001-01S270270NC-36	OLÇEK / SCALE A4
Sheet			
Drawn By	Kaan ALTINTEN		
Checked By	Ibrahim OKMEN		
Approved By	Mesut CINAR		

TD Lighting Solutions

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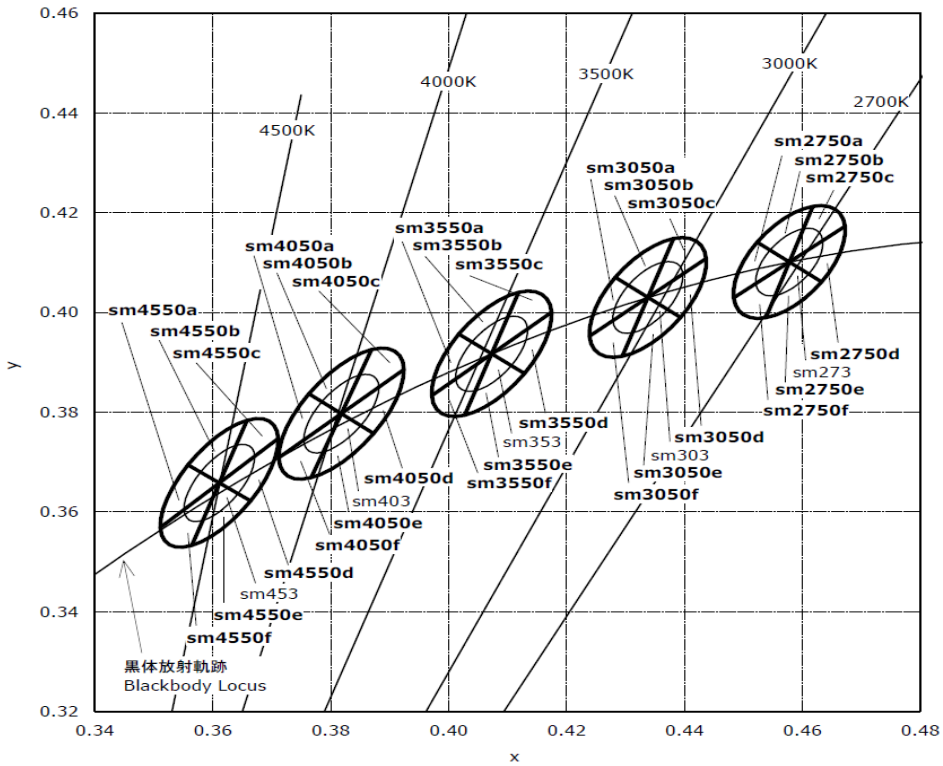
CCT AND BINNING INFORMATION



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CONTACT

TLS Teknoloji Sistemleri San ve Dış Tic AŞ
Akçaburgaz Mahallesi 3080. Sokak No:5 Esenyurt / İstanbul / TURKEY

info@tlsteknoloji.com
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