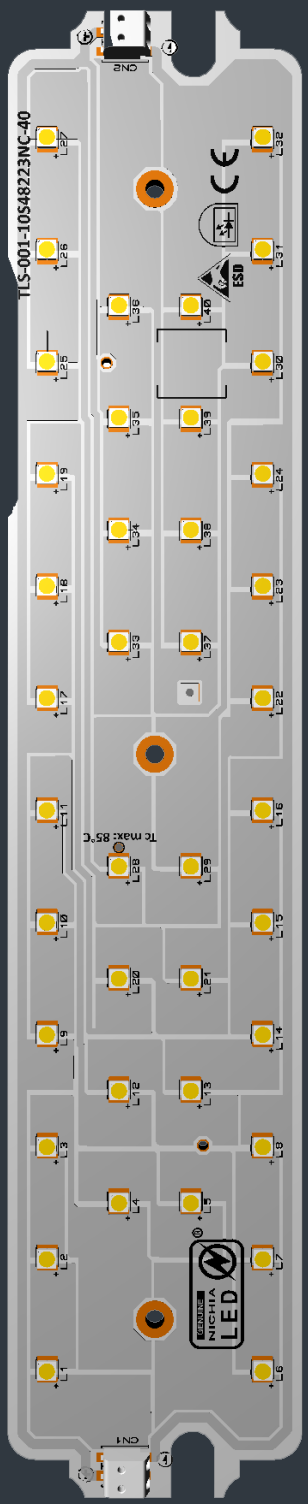


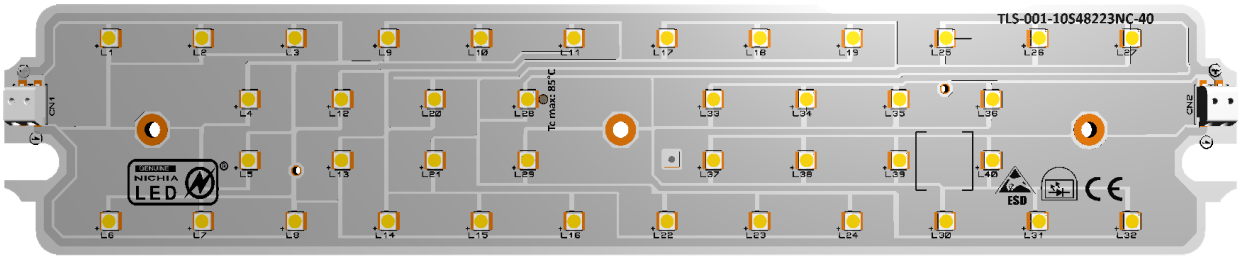
TD Lighting Solutions

X-MS48223NCxx-NFSW757H-40

Square Series

www.**tlsteknoloji**.com

PRODUCT PHOTO



SPECIFICATIONS

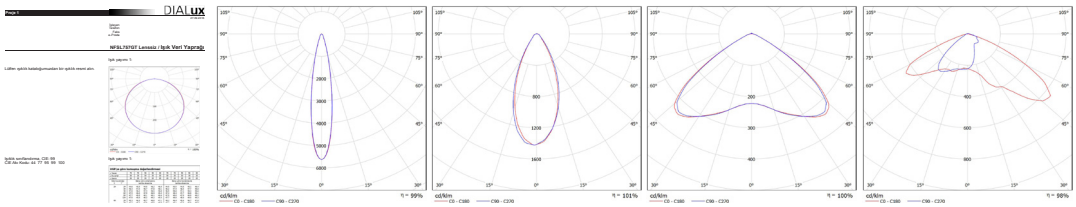
- Default driving method is constant current input
- CCT Range from 2000°K up to 6500°K
- Luminous flux range from 1901 lm to 3451 lm
- Efficacy of the module up to 190 lm/W
- CRI 80 is standart, CRI 70 and CRI 90 are available
- Outstanding system color tolerance MacAdam 3 over the full operating area
- 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

Street Lighting | High Bay Lighting | Flood Lighting

PHOTOMETRY

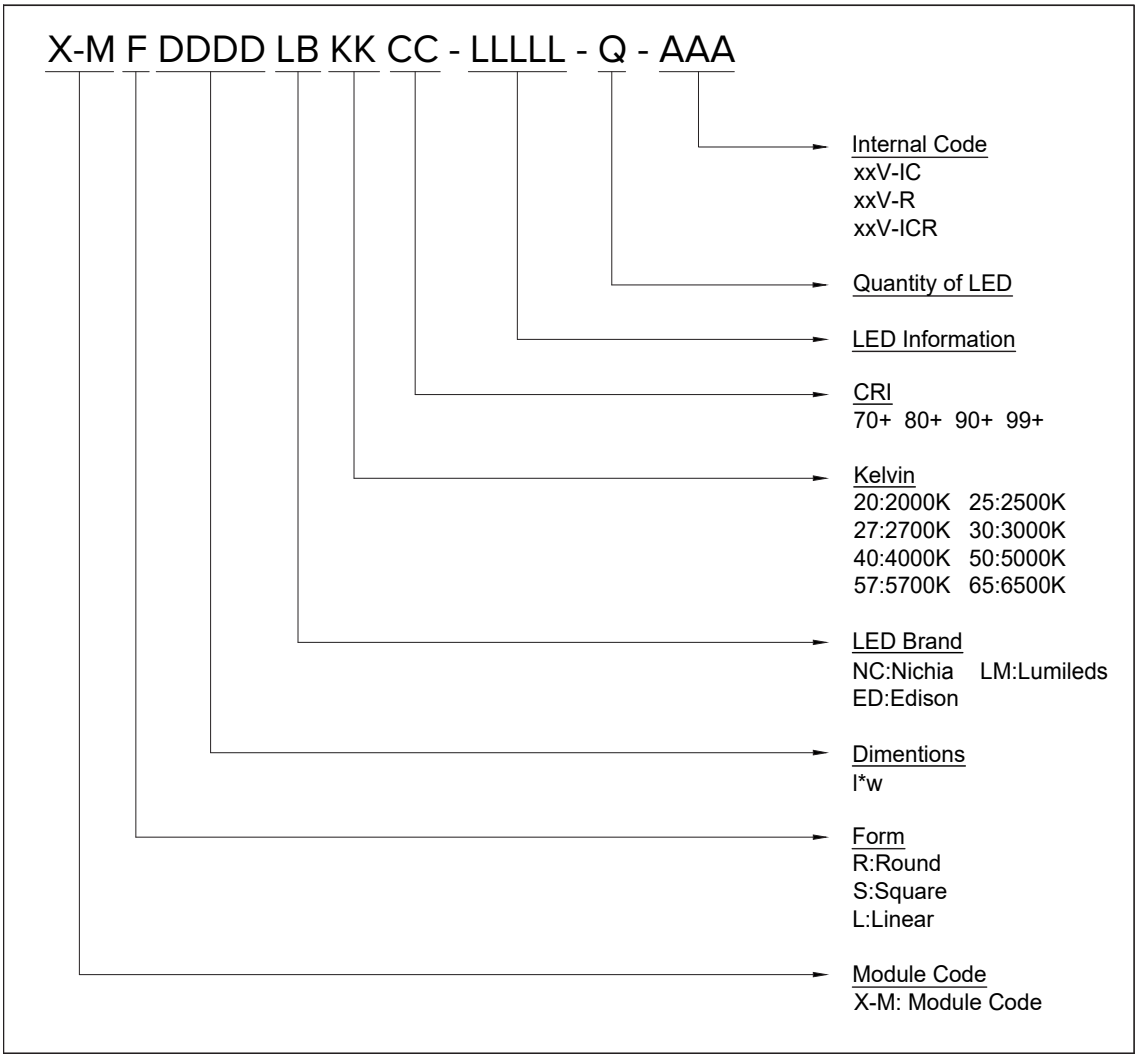


W/O LENS | TLS40NI-W70L252-25-IP | TLS40NI-W70L252-60-IP | TLS40NI-W70L252-120-IP | TLS40NI-W70L252-150x80-IP

TECHNICAL DATA

Beam Angle	120°
Ambient temperature range	-25° ~ +55°C
Tc max	85°C
Max. DC forward current	875mA
Typical voltage of LED Module at max current	24V
Insulation test voltage	2kV
ESD classification	Class 1
Risk group (EN 62471:2008)	1
Type of protection	IP00

ORDERING INFORMATIONS



DATASHEET
X-MS48223NCxx-NFSW757H-40
TD Lighting Solutions

DRIVING CURRENT VS LUMEN OUTPUT SPECIFICATION

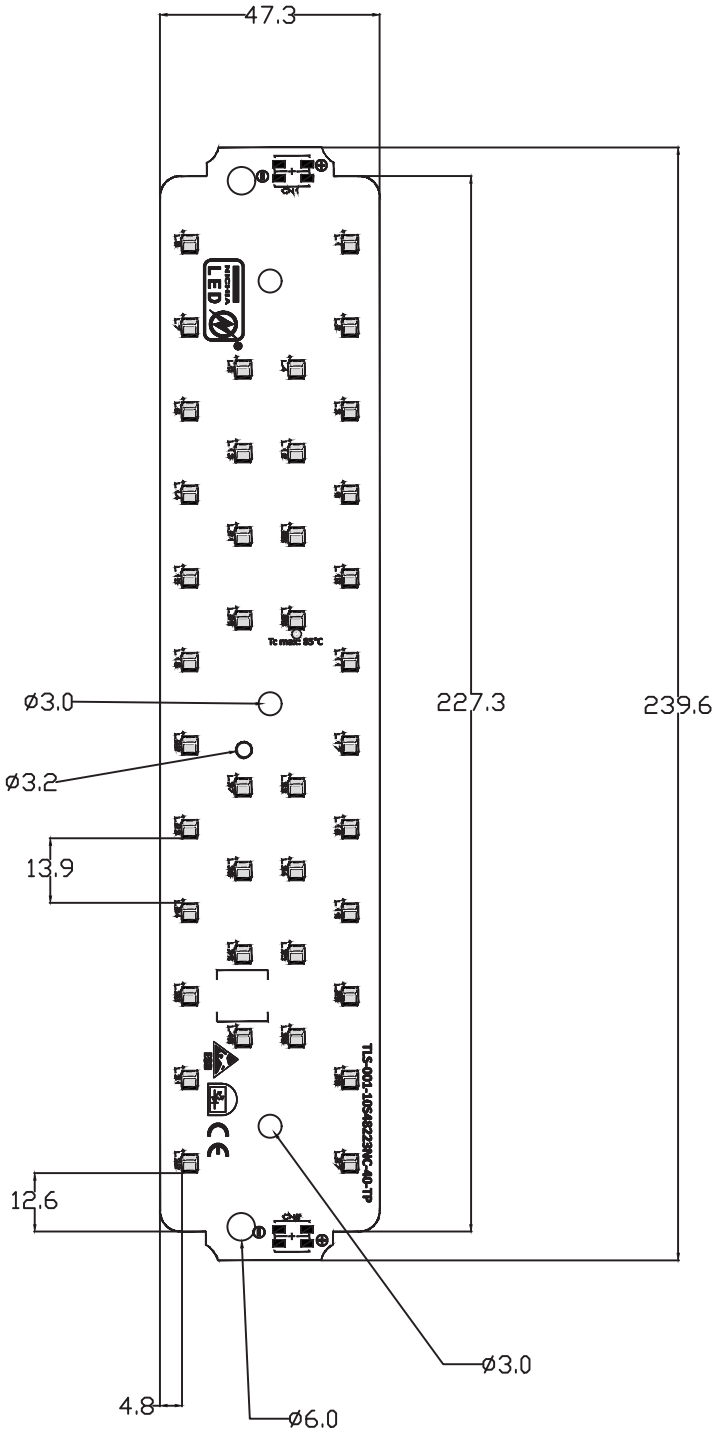
Common Characteristic [@Tj : 85°C] ;				
Module Code	X-MS48223NCxx-NFSW757H-40			
PCB Material	ALU		**Electrical Connection**	
Operating Temperature (°C)	-40 ~ +85		Parallel	5
Storage Temperature (°C)	-40 ~ +55		Series	8
Thermal Conductivity (W/m-K)	1>		LED Quantity	40
LED		**NFSW757H_R8000**		
Correlated Color Temperature (CCT)		**4000K**		
Color Rendering Index (CRI)		80+		
Module Operating Voltage (V)	21,60	22,40	23,20	
Module Operating Current (mA)	500	700	875	
Branch Operating Current (mA)	100	140	175	
Module Power (W)	10,80	15,68	20,30	
Module Light Output (lm)	1.901	2.540	3.126	
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)	21,76	22,40	23,20	
Module Operating Current (mA)	500	700	875	
Branch Operating Current (mA)	100	140	175	
Module Power (W)	10,88	15,68	20,30	
Module Light Output (lm)	2.067	2.822	3.451	
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)

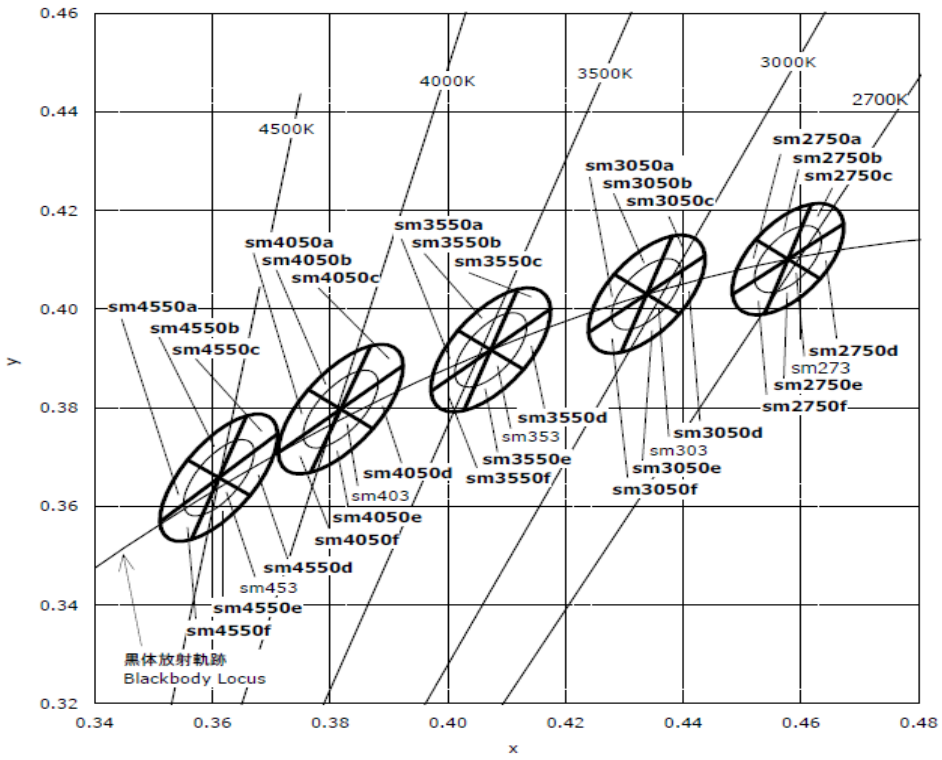
X-MS48223NCxx-NFSW757H-40 MECHANICAL DRAWINGS



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 : XXXX		MALZEME (MATERIAL) PC	AGIRLIK (WEIGHT)	
Revision : 00				
Date: XXXXXX		PARÇA NO (PART NO) XXXXX	ÖLÇEK / SCALE	A4
Sheet : 1				
Drawn By	Ö. ALTUN		TD Lighting Solutions	
Checked By	O. SANATSEVER			
Approved By	M. CINAR			

CCT AND BINNING INFORMATION



LIFE TIME

MODEL NUMBER: NF2x757xR

Test Summary:

Data Set	Case Temperature [°C]	Ambient Temperature [°C]	Drive Current [mA]	Lumen maintenance at 10K hours [%]	Chromaticity Shift (Δu'v') at 10K hours	TM-21 Projection L_{70}(10K) [hours]	TM-21 Projection L_{80}(10K) [hours]	TM-21 Projection L_{90}(10K) [hours]
1	55	> 50	100	98.1	0.0014	> 60600	> 60600	> 60600
2	55	> 50	150	98.3	0.0017	> 60400	> 60400	> 60400
3	55	> 50	200	98.2	0.0020	> 60500	> 60500	48300
4	85	> 80	100	96.4	0.0014	> 60600	> 60600	52500
5	85	> 80	150	96.3	0.0020	> 60400	> 60400	38800
6	85	> 80	200	93.9	0.0035	55900	35300	17100
7	105	> 100	100	92.3	0.0019	> 60600	43700	15500
8	105	> 100	150	93.4	0.0027	> 60400	57800	21000
9	105	> 100	200	90.7	0.0034	42800	26200	11600

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