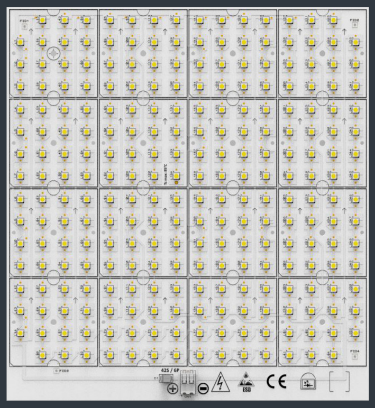
TD Lighting Solutions



X-MS223205NC-4080-NF2W757GRT-V3-252

Square Series

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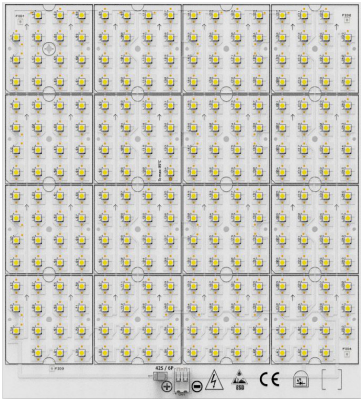
DATASHEET

X-MS223205NC-4080-NF2W757GRT-V3-252

PRODUCT PHOTO



SPECIFICATIONS

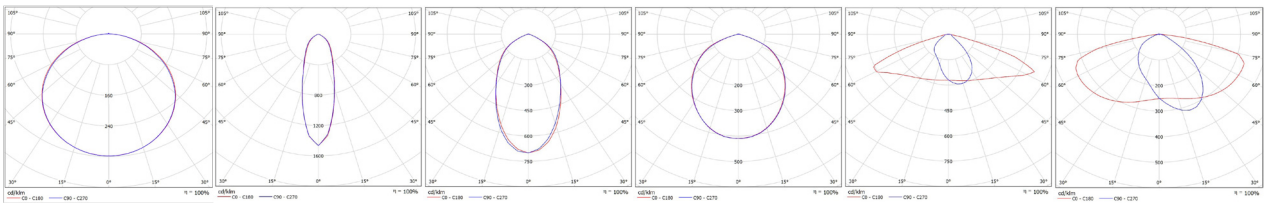
- Default driving method is constant current input.
- CCT Range from 2700°K up to 6500°K
- Luminous flux range from 20328 lm to 38279 lm
- Efficacy of the module up to 176 lm/W
- CRI 80 is standart
- Outstanding system color tolerance MacAdam 3 over the full operating area
- Simple installation (e.g. screw)
- Long life-time > 60,000 hours
- 5 years guarantee at specified conditions

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

APPLICATIONS

High Bay Lighting | Low Bay Lighting | Street Lighting

PHOTOMETRY



W/O LENS | TLS16NI-5050-30 | TLS16NI-5050-60 | TLS16NI-5050-90 | TLS16NI-5050-143x67 | TLS16NI-5050-157x75

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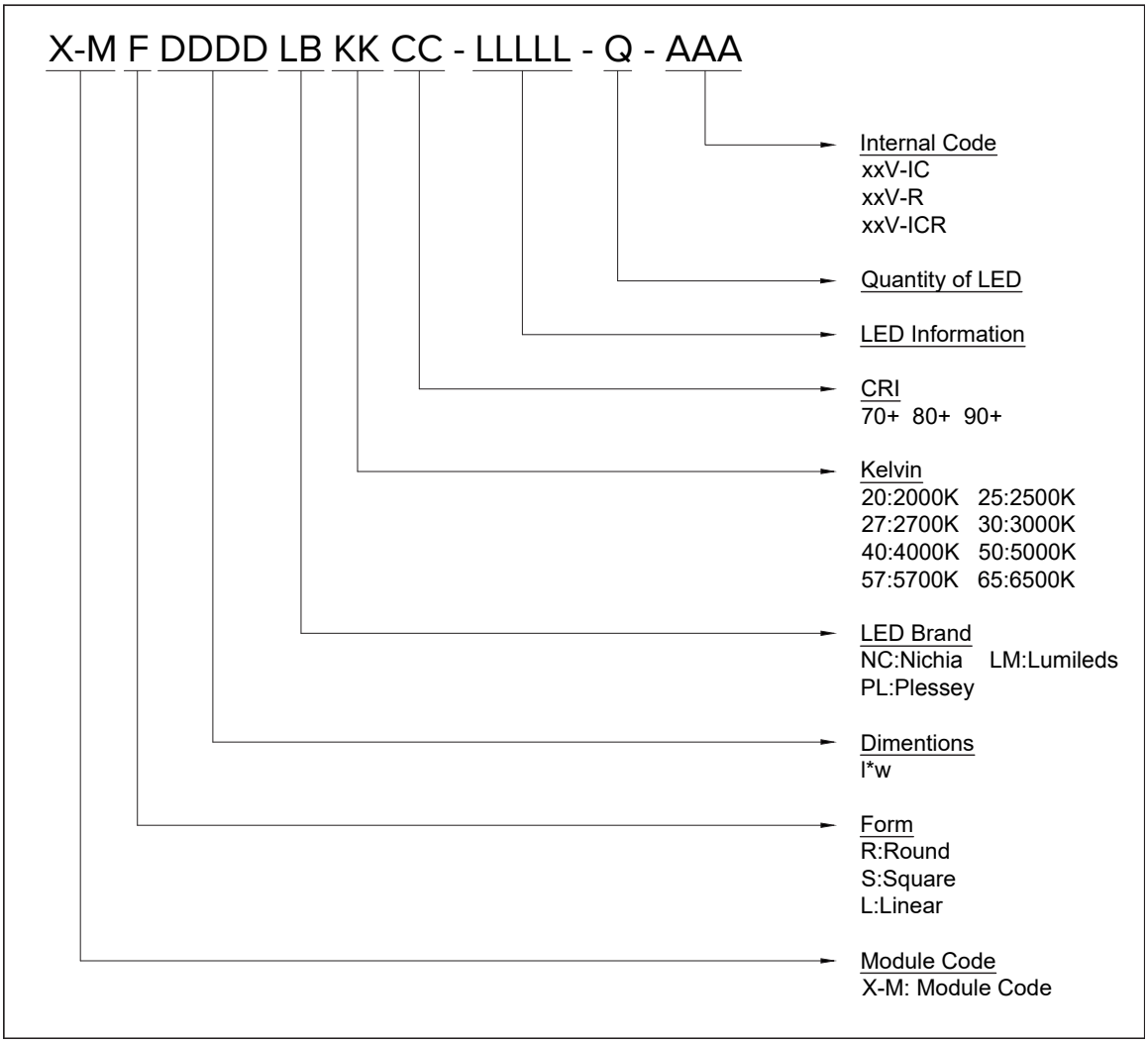
TD Lighting Solutions

TECHNICAL DATA

Beam Angle	116°
Ambient temperature range	-25° ~ +55°C
Tc max	85°C
Max. DC forward current	1050mA
Typical voltage of LED Module at max current	260V
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] ;			
LED Brand & Type	X-MS223205NC-4080-NFxx-252	Electrical Connection	
PCB Material	ALU		
Operating Temperature (°C)	-40 ~ +85	Parallel	6
Storage Temperature (°C)	-40 ~ +55	Series	42
Thermal Conductivity (W/m-K)	1>	LED Quantity	252
LED	**NC-NF2W757GRT-V3**		
Correlated Color Temperature (CCT)	**4000K**		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	231	244	260
Module Operating Current (mA)	500	700	1050
Branch Operating Current (mA)	83	117	175
Module Power (W)	116	171	273
Module Light Output (lm)	20328	28136	38279
Module Efficiency (lm/W)	176	165	140

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)
NC-NF2W757GRT-V3	0,875	0,916	1	1	1

Relative luminous intensity versus CCT (°K)

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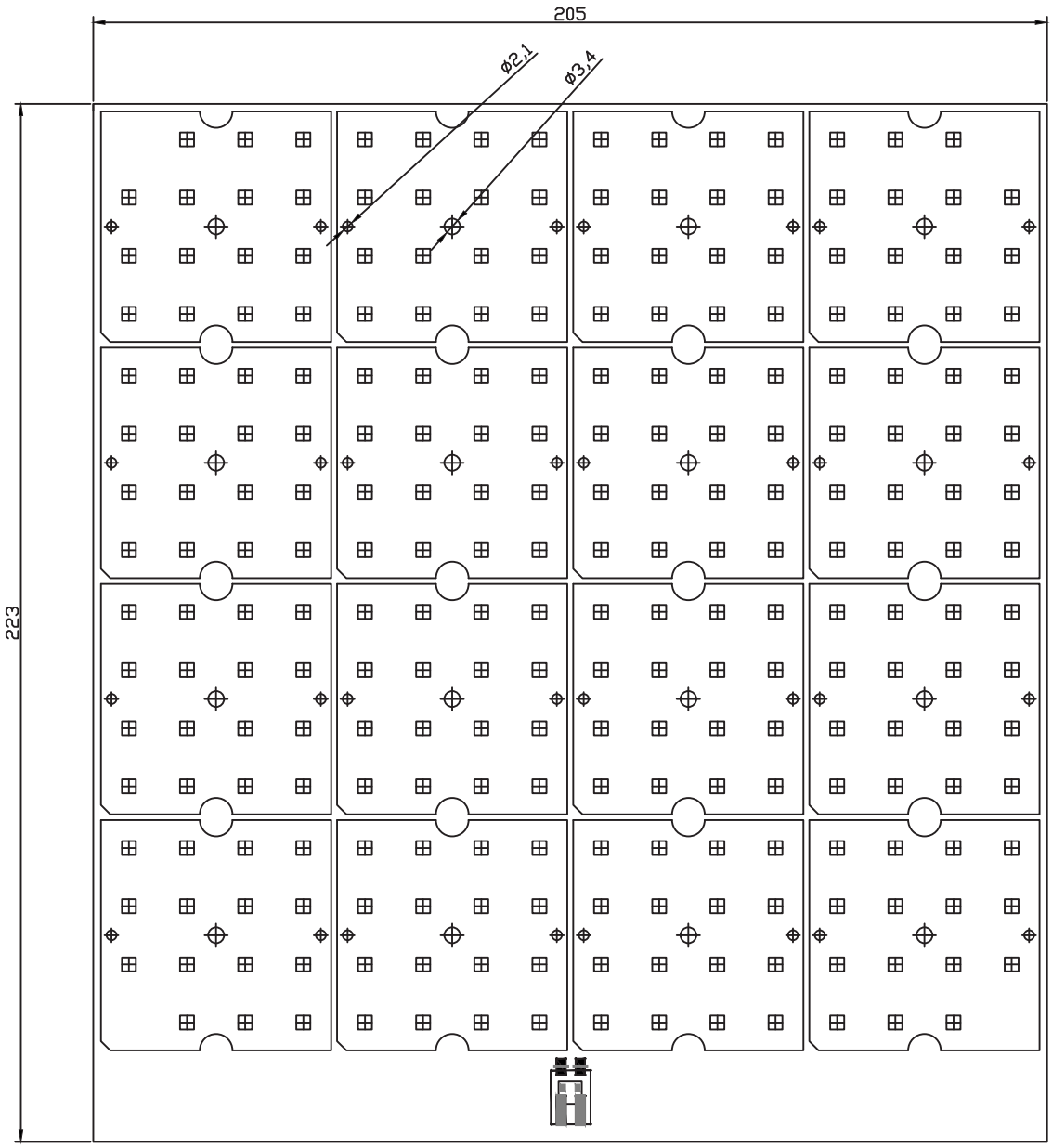
DATASHEET

X-MS223205NC-4080-NF2W757GRT-V3-252

X-MS223205NC-4080-NF2W757GRT-V3-252 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: 13.11.2018	PARÇA NO (PART NO) XXXXX	ÖLÇEK / SCALE	A4
Sheet : 1			
Drawn By: O. ALTUN		TD Lighting Solutions	
Checked By: O. SANATSEVER			
Approved By: M. CINAR			

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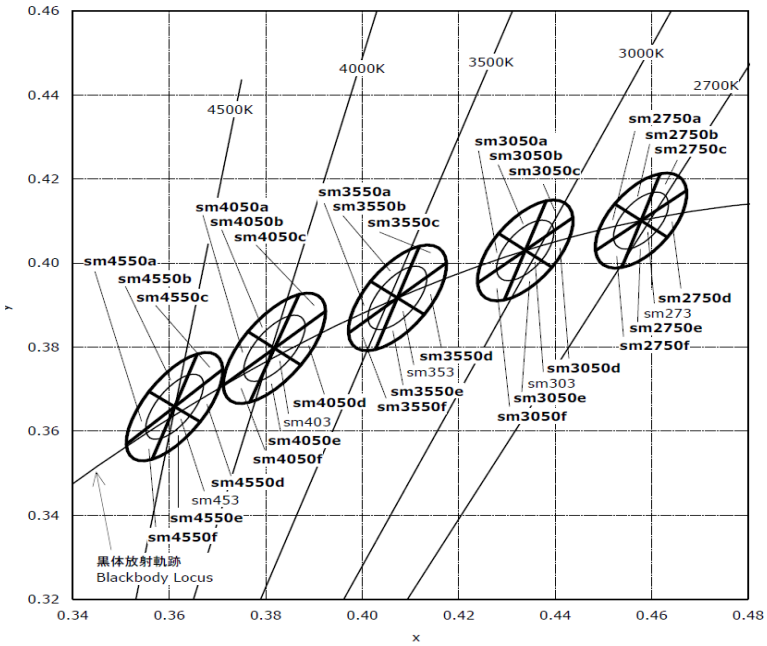
CCT AND BINNING INFORMATION



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LIFETIME PROJECTION & WORST CONDITION PERFORMANCE

MODEL NUMBER: **NF2W757GRT-V3**

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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