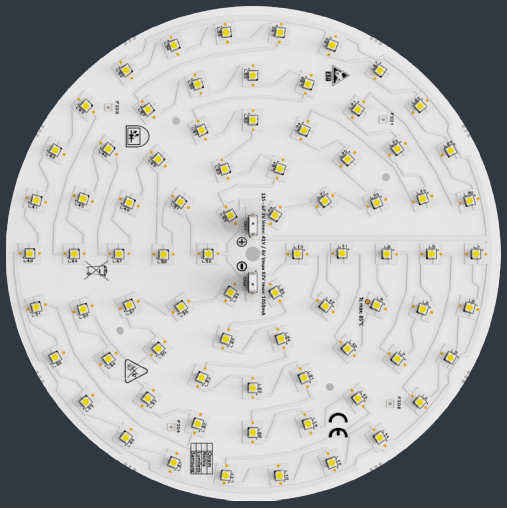
TD Lighting Solutions



X-MR00200NC-4070-NF2x-78

Round Series

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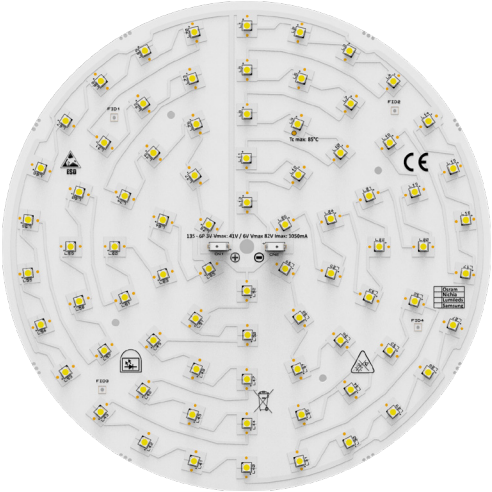
DATASHEET

X-MR00200NC-4070-NF2x-78

PRODUCT PHOTO



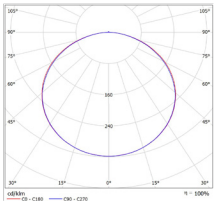
SPECIFICATIONS

- Default driving method is constant current input
- CCT Range from 2000K up to 6500K
- This module is standard and can be connected as 13 Series 6 Parallel.
- Luminous flux range from 6.710 lm to 13.138 lm
- Efficiency of the module up to 190 lm/W
- CRI 70 is standard, CRI 80 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

PHOTOMETRY



W/O

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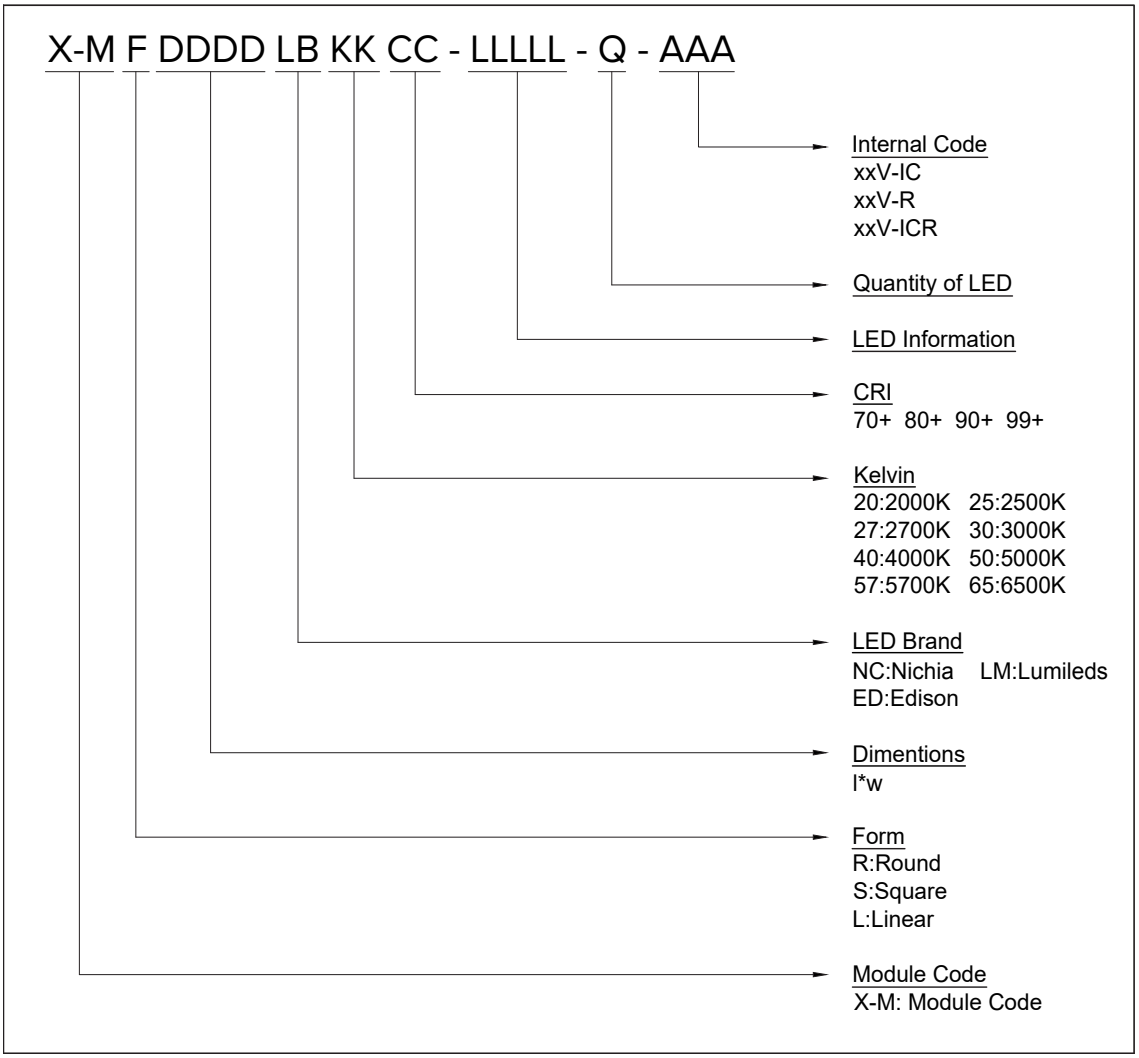
TECHNICAL DATA

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	80V
Insulation test voltage	2kV
ESD classification	Class 1
Risk group (EN 62471:2008)	2
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-MR00200NC-4070-NF2x-78			
PCB Material	ALU		**Electrical Connection**	
Operating Temperature (°C)	-40 ~ +85		Parallel	6
Storage Temperature (°C)	-40 ~ +55		Series	13
Thermal Conductivity (W/m-K)	1>		LED Quantity	78
LED		**NF2W757GR-V4**		
Correlated Color Temperature (CCT)		**4000K**		
Color Rendering Index (CRI)		**70+**		
Module Operating Voltage (V)	73	76	80	
Module Operating Current (mA)	500	700	1050	
Branch Operating Current (mA)	83	117	175	
Module Power (W)	36	53	84	
Module Light Output (lm)	6710	9147	13137	
Module Efficiency (lm/W)	184	173	157	
LED		**3030 2D-SQ**		
Correlated Color Temperature (CCT)		**4000K**		
Color Rendering Index (CRI)		**70+**		
Module Operating Voltage (V)	74	77	80	
Module Operating Current (mA)	500	700	1050	
Branch Operating Current (mA)	83	117	175	
Module Power (W)	37	54	84	
Module Light Output (lm)	7064	9433	13138	
Module Efficiency (lm/W)	190	176	156	

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

Lumen Output Multiplier					
LED	2700K (CRI 70)	3000K (CRI 70)	4000K (CRI 70)	5000K (CRI 70)	6500K (CRI 70)
NF2W757GR-V4_R70	0,94	0,96	1	0,98	0,97
3030 2D-SQ	x	0,96	1	1,03	1

Relative luminous intensity versus CCT (°K)

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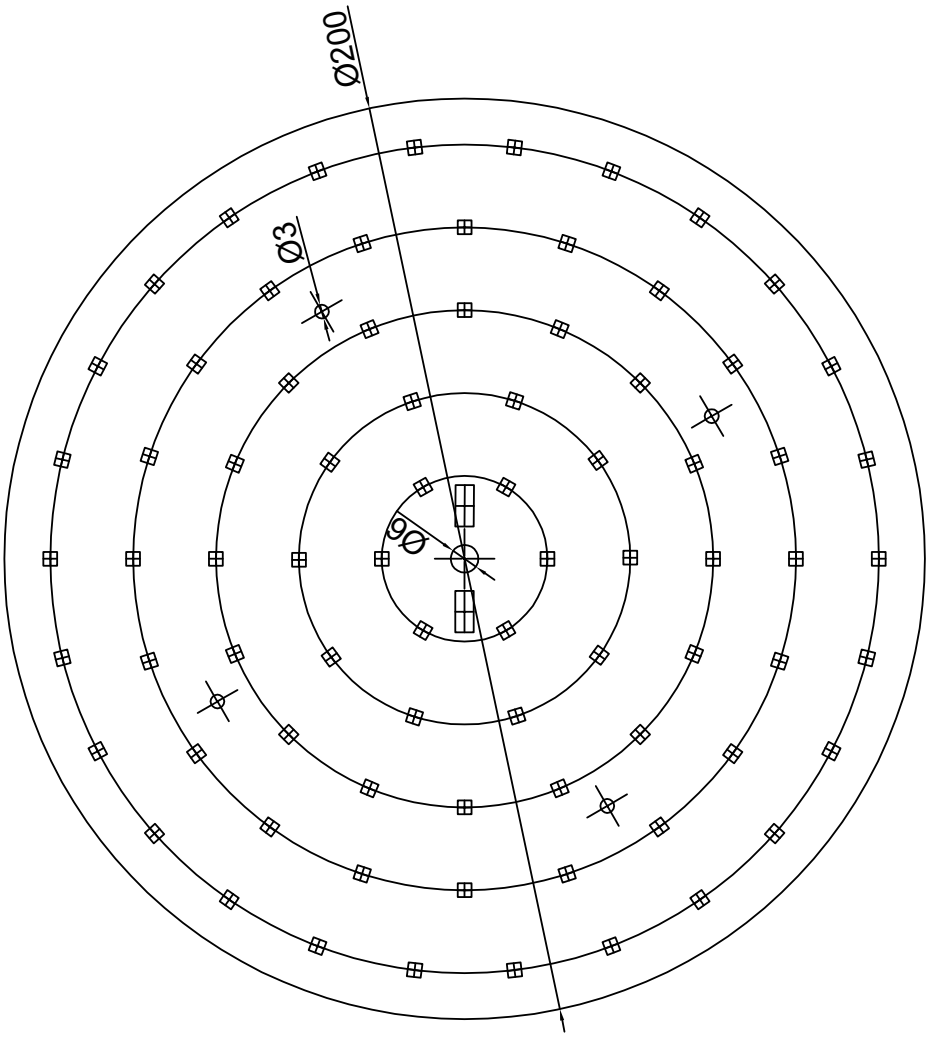
X-MR00200NC-4070-NF2x-78

X-MR00200NC-4070-NF2x-78 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)
Revision	00
Date	22.02.2022
Sheet	
Drawn By	Kaan ALTINTEN
Checked By	Kaan ALTINTEN
Approved By	Sahand ASHRAFIAN

AGIRLIK (WEIGHT)

X-MR00200NC-4070-NF2x-78

OLÇEK / SCALE 1 / 1

A3

TD Lighting Solutions

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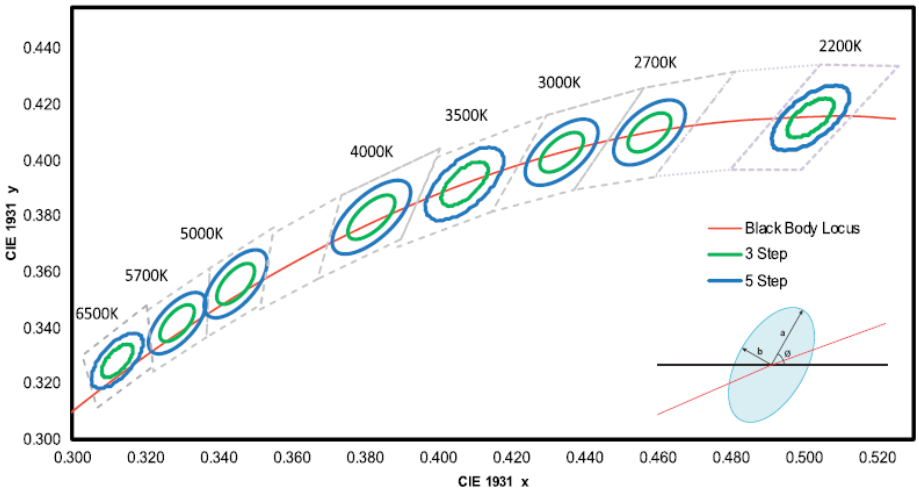
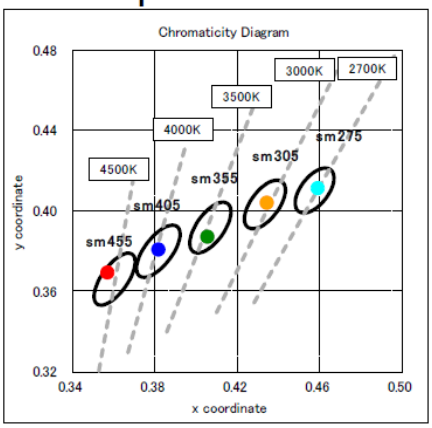
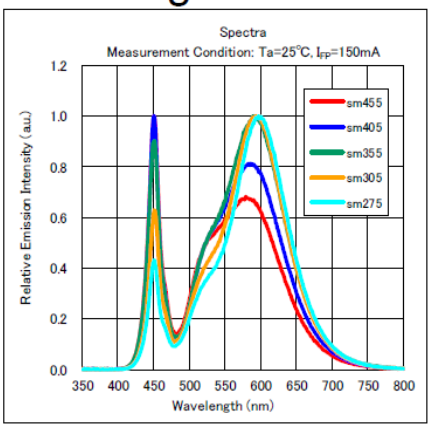
CCT AND BINNING INFORMATION

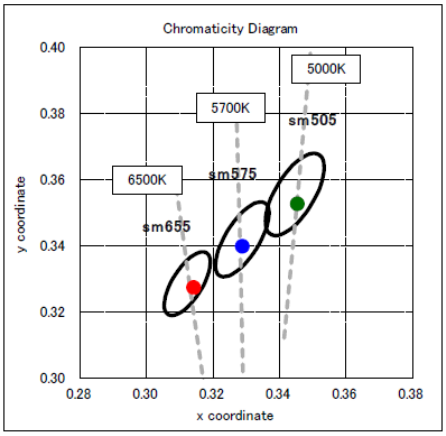


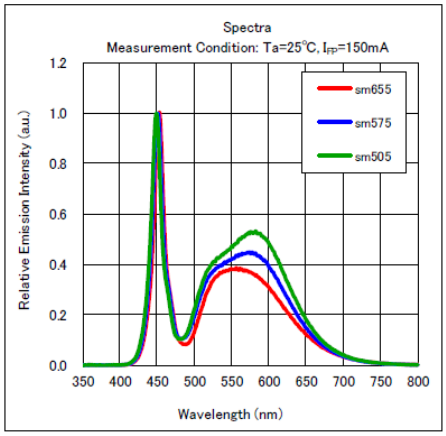
NF2W757GR-V4 (R70)
Spectra & Color Rendering Index





Part No. NF2W757GR-V4 (R70)
Spectra & Color Rendering Index





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