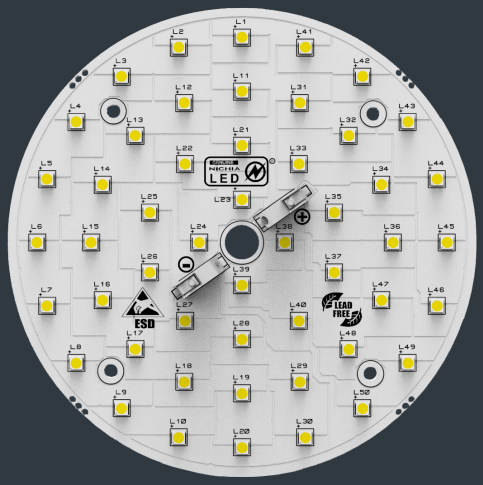
TD Lighting Solutions

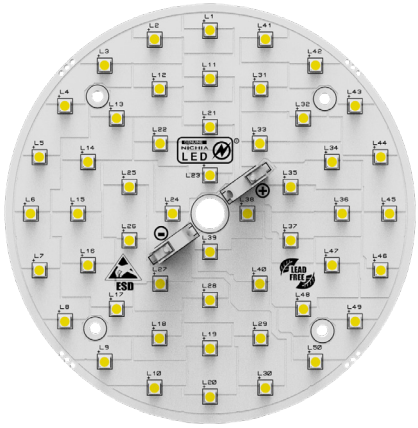


X-MR00110NCxx-NFSW757H-50

Round Series

www.**tlsteknoloji**.com

PRODUCT PHOTO



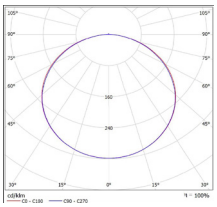
SPECIFICATIONS

- Default driving method is constant current input
- CCT Range from 2000°K up to 6500°K
- Luminous flux range from 2376 lm to 4447 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

APPLICATIONS

Spotlight

PHOTOMETRY

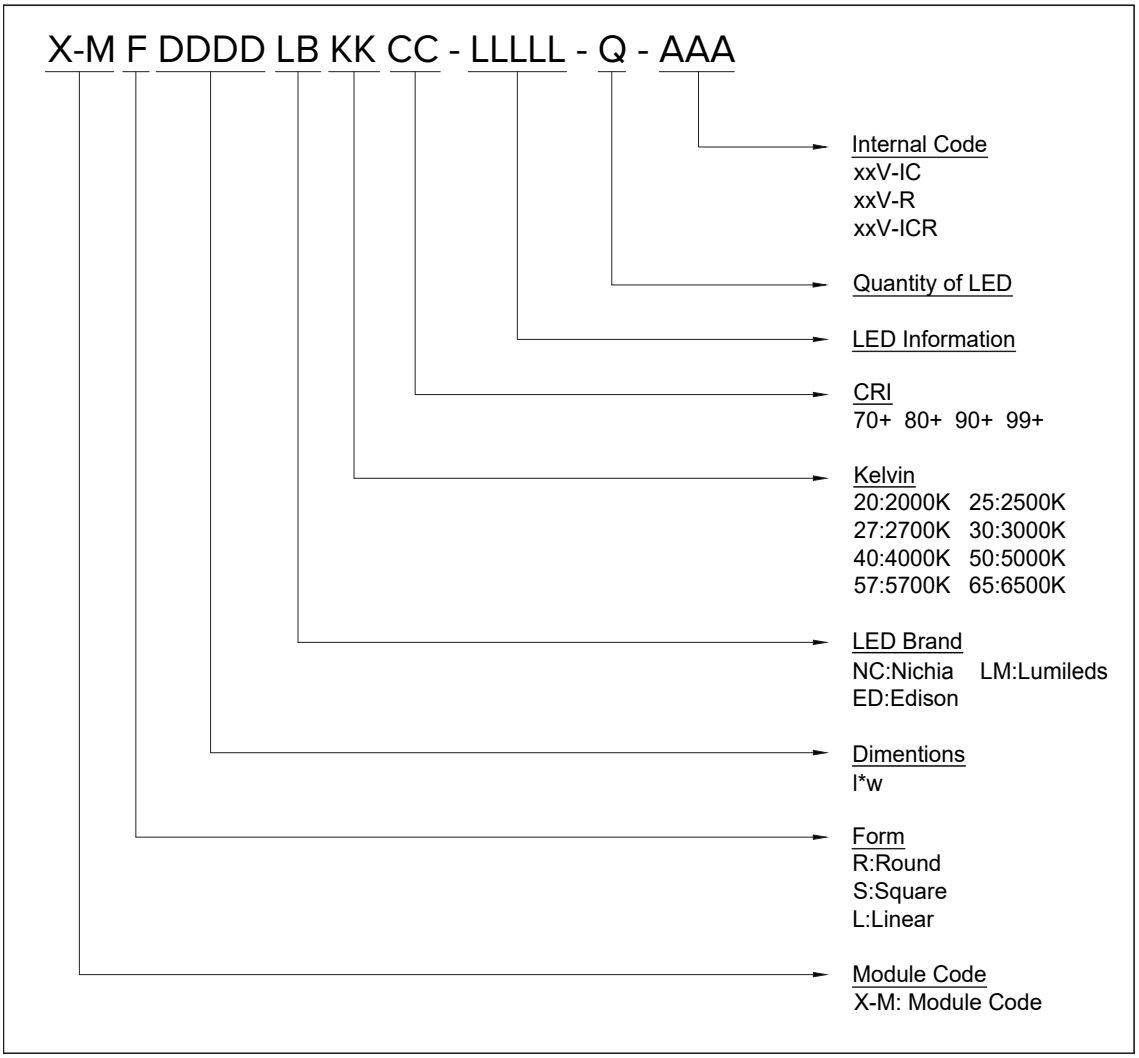


W/O LENS

TECHNICAL DATA

Beam Angle	120°
Ambient temperature range	-25° ~ +55°C
Tc max	85°C
Max. DC forward current	900mA
Typical voltage of LED Module at max current	30V
Insulation test voltage	2kV
ESD classification	Class 1
Risk group (EN 62471:2008)	1
Type of protection	IP00

ORDERING INFORMATIONS



DRIVING CURRENT VS LUMEN OUTPUT SPECIFICATION

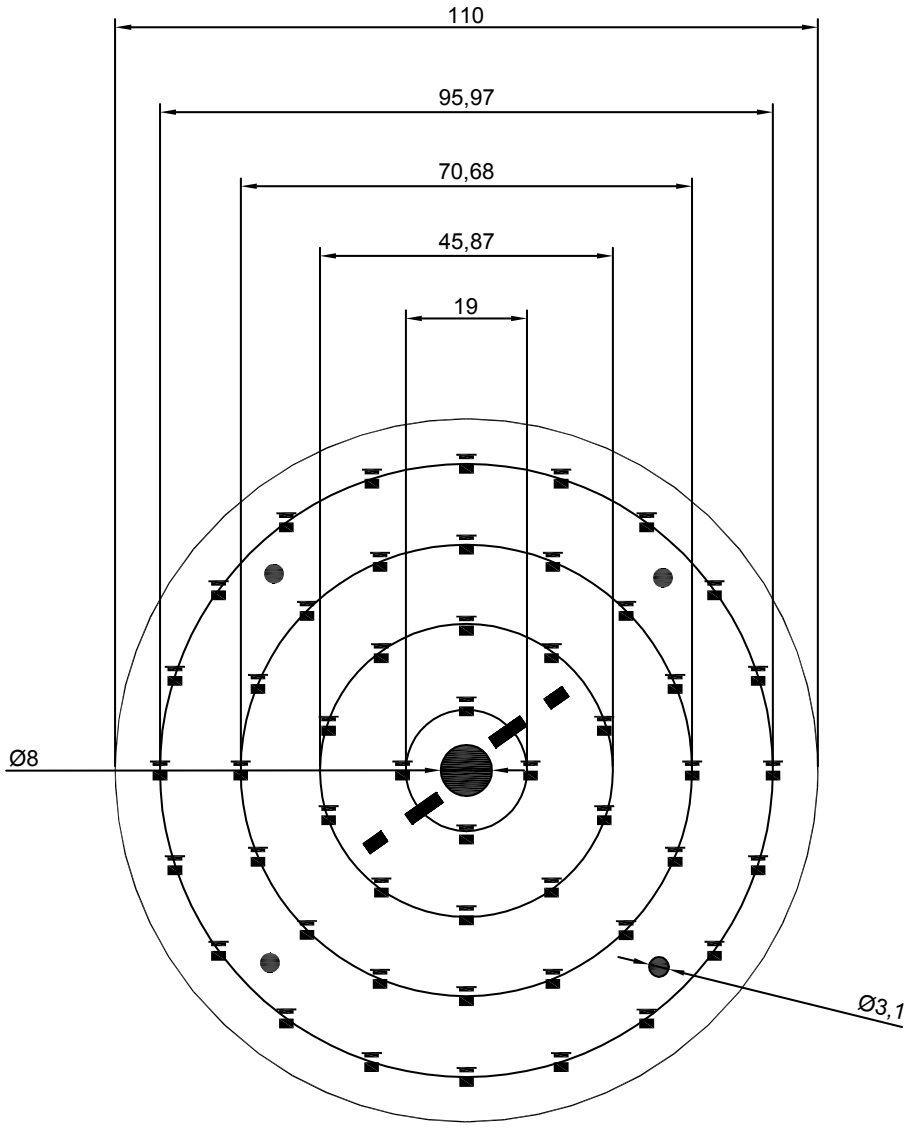
Common Characteristic [@Tj : 85°C] ;				
Module Code	X-MR00110NCxx-NFSW757H-50			
PCB Material	ALU		**Electrical Connection**	
Operating Temperature (°C)	-40 ~ +85		Parallel	5
Storage Temperature (°C)	-40 ~ +55		Series	10
Thermal Conductivity (W/m-K)	1>		LED Quantity	50
LED		**NFSW757H_R8000**		
Correlated Color Temperature (CCT)		**4000K**		
Color Rendering Index (CRI)		80+		
Module Operating Voltage (V)	27,00	28,00	29,00	
Module Operating Current (mA)	500	700	900	
Branch Operating Current (mA)	100	140	180	
Module Power (W)	13,50	19,60	26,10	
Module Light Output (lm)	2.376	3.175	4.019	
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)	27,20	28,00	29,00	
Module Operating Current (mA)	500	700	900	
Branch Operating Current (mA)	100	140	180	
Module Power (W)	13,60	19,60	26,10	
Module Light Output (lm)	2.584	3.528	4.437	
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	0,875	0,916	1	1	1
NF2W757H-F1_R8000	0,67	0,75	0,82	0,82	0,82

Relative luminous intensity versus CCT (°K)

X-MR00110NCxx-NFSW757H-50 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)	AGIRLIK (WEIGHT)		
Revision	00	XXX	XXX		
Date	10.12.2019	TLS-001-10R00110NC-50		OLÇEK / SCALE	A4
Sheet					
Drawn By	Kaan ALTINTEN				
Checked By	Ibrahim OKMEN				
Approved By	Mesut CINAR				

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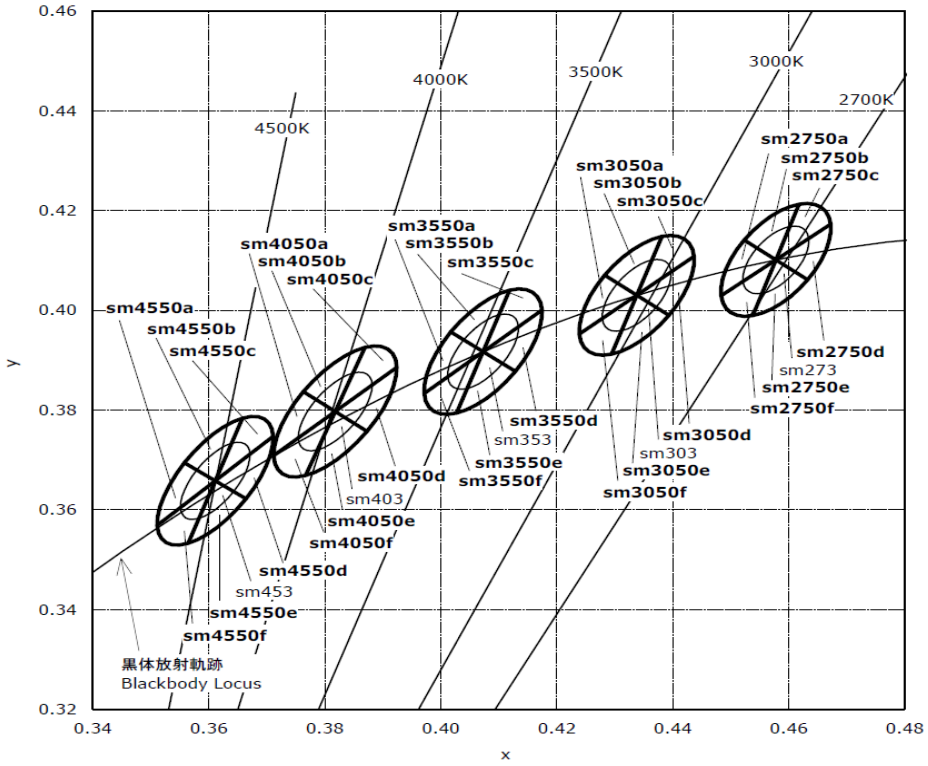
CCT AND BINNING INFORMATION



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