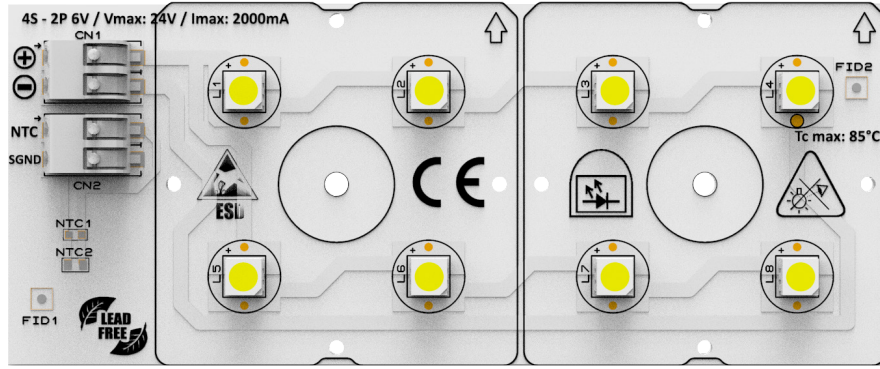


PRODUCT PHOTO



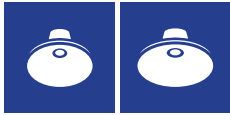
SPECIFICATIONS

- Default driving method is constant current input
- CCT Range from 2200°K up to 6500°K
- Luminous flux range from 2056 lm to 4118 lm
- Efficacy of the module up to 204 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



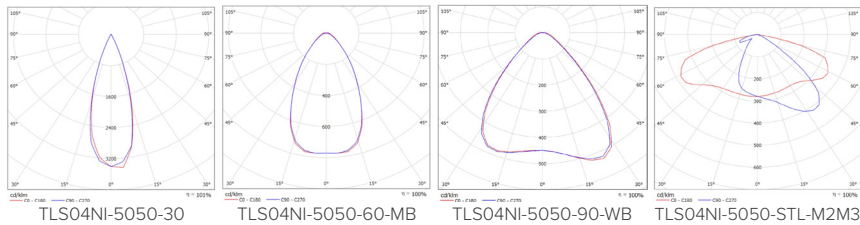
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APPLICATIONS



High Bay Lighting Very High Bay
Lighting

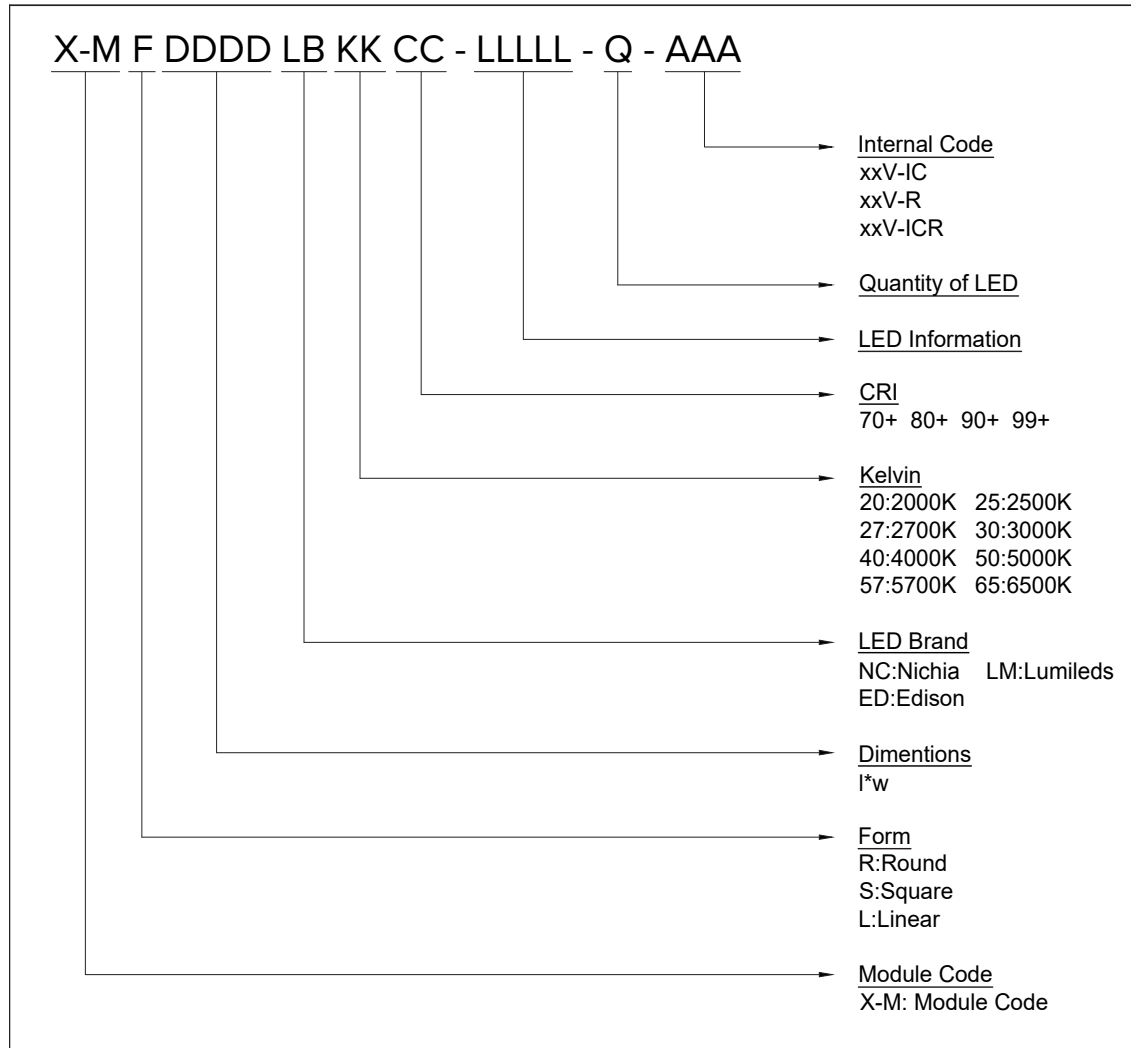
PHOTOMETRY



TECHNICAL DATA

Beam Angle	120°
Ambient temperature range	-25° ~ +55°C
Tc max	85°C
Max. DC forward current	1000mA
Typical voltage of LED Module at max current	23V
Insulation test voltage	2kV
ESD classification	Class 1
Risk group (EN 62471:2008)	2
Type of protection	IP00

ORDERING INFORMATION



DRIVING CURRENT VS LUMEN OUTPUT SPECIFICATION

Common Characteristic [@Tj : 85°C] ;			
Module Code	X-MS50122LMxx-5050-8		
PCB Material	ALU	Electrical Connection	
Operating Temperature (°C)	-40 ~ +85	Parallel	2
Storage Temperature (°C)	-40 ~ +55	Series	4
Thermal Conductivity (W/m-K)	1>	LED Quantity	8
LED			
5050 - Round			
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	21,20	22,00	23,40
Module Operating Current (mA)	500	700	1000
Branch Operating Current (mA)	250	350	500
Module Power (W)	10,60	15,40	23,40
Module Light Output (lm)	2.056	2.664	3.697
Module Efficiency (lm/W)	194	173	158
LED			
5050- SQ			
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	21,20	22,00	23,40
Module Operating Current (mA)	500	700	1000
Branch Operating Current (mA)	250	350	500
Module Power (W)	10,60	15,40	23,40
Module Light Output (lm)	2.162	2.895	4.118
Module Efficiency (lm/W)	204	188	176

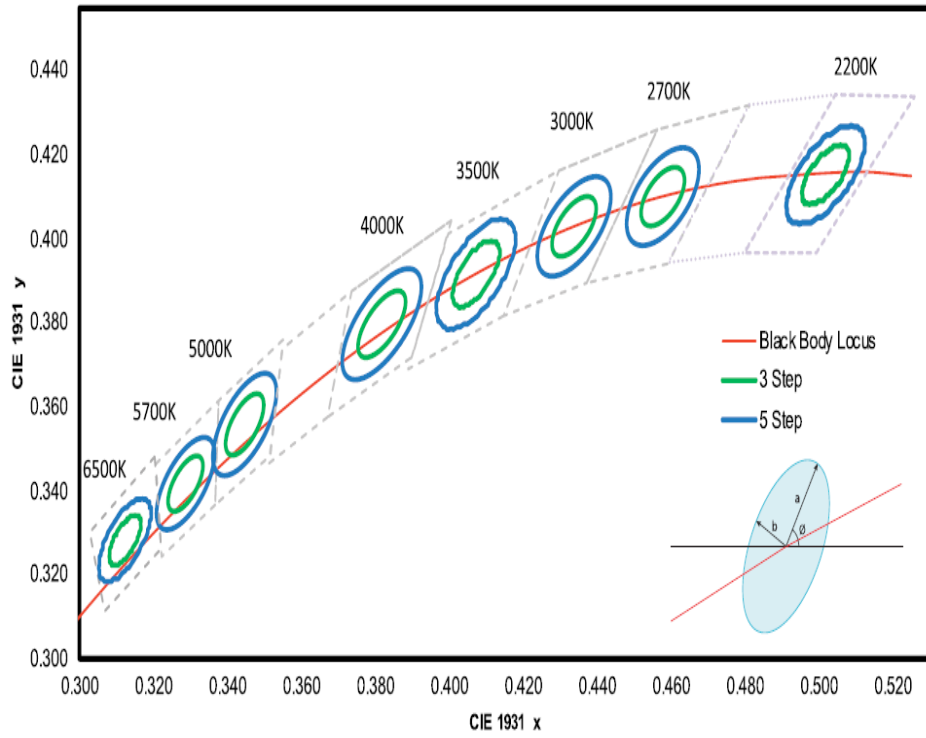
The table below shows how to Module Light Output changes depending on CCT (°K)

LED	Lumen Output Multiplier				
	2700°K (CRI 80)	3000°K (CRI 80)	4000°K (CRI 80)	5000°K (CRI 80)	6500°K (CRI 80)
5050-SQ	0,875	0,916	1	1	1
5050-Round	0,83	0,88	0,92	0,92	0,92

Relative luminous intensity versus CCT (°K)

1	2	3	4	5	6
X-MS50122LMxx-5050-8 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	
± 0.1		± 0.1		± 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		MALZEME (MATERIAL)		AGIRLIK (WEIGHT)	
Revision		XXX		XXX	
Date		10.12.2019		TLS-001-10S50122LML-50-8	
Sheet				OLÇEK / SCALE	
Drawn By		Kaan ALTINTEN		TD Lighting Solutions	
Checked By		Ibrahim OKMEN			
Approved By		Mesut CINAR			
TLS Teknoloji Sanayi ve Dis Ticaret A.S This drawing is our property. It cant be reproduced or communicated without our written agreement.					

CCT AND BINNING INFORMATION



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