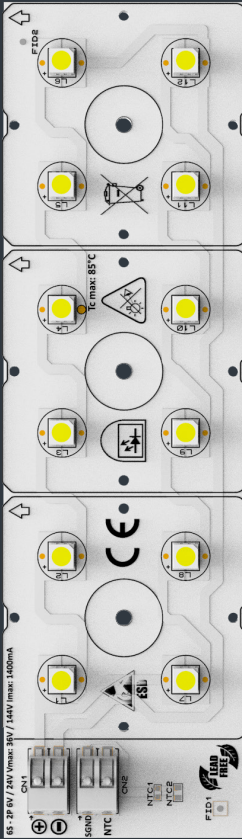




TD Lighting Solutions

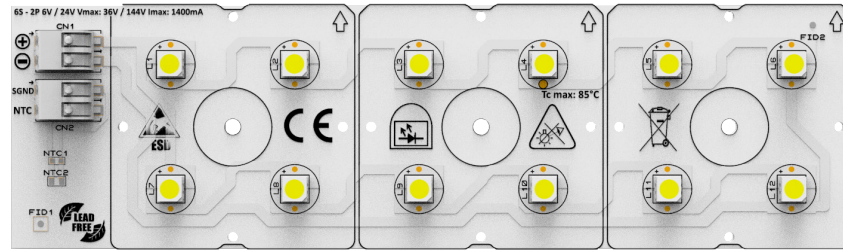
X-MS50172LMxx-5050-12

Square Series



www.tlsteknoloji.com

PRODUCT PHOTO



SPECIFICATIONS

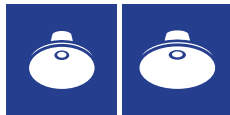
- Default driving method is constant current input
- CCT Range from 2200°K up to 6500°K
- Luminous flux range from 3085 lm to 6178 lm
- Efficacy of the module up to 204 lm/W
- CRI 80 is standart, CRI 70 and CRI 90 are available
- Outstanding system color tolerance MacAdam 3 over the full operating area
- Simple installation (e.g. screw)
- Long life-time > 60,000 hours
- 5 years guarantee at specified conditions



For your orders please call us:

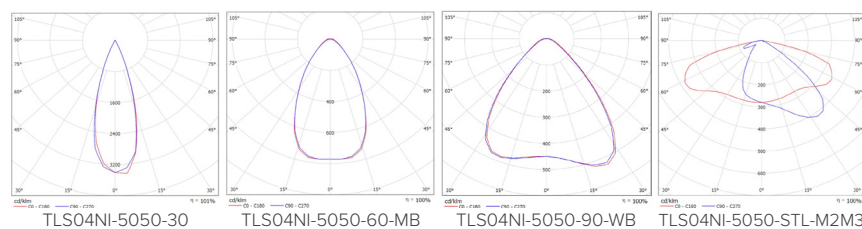
+90 444 27 33

APPLICATIONS



High Bay Lighting Very High Bay
Lighting

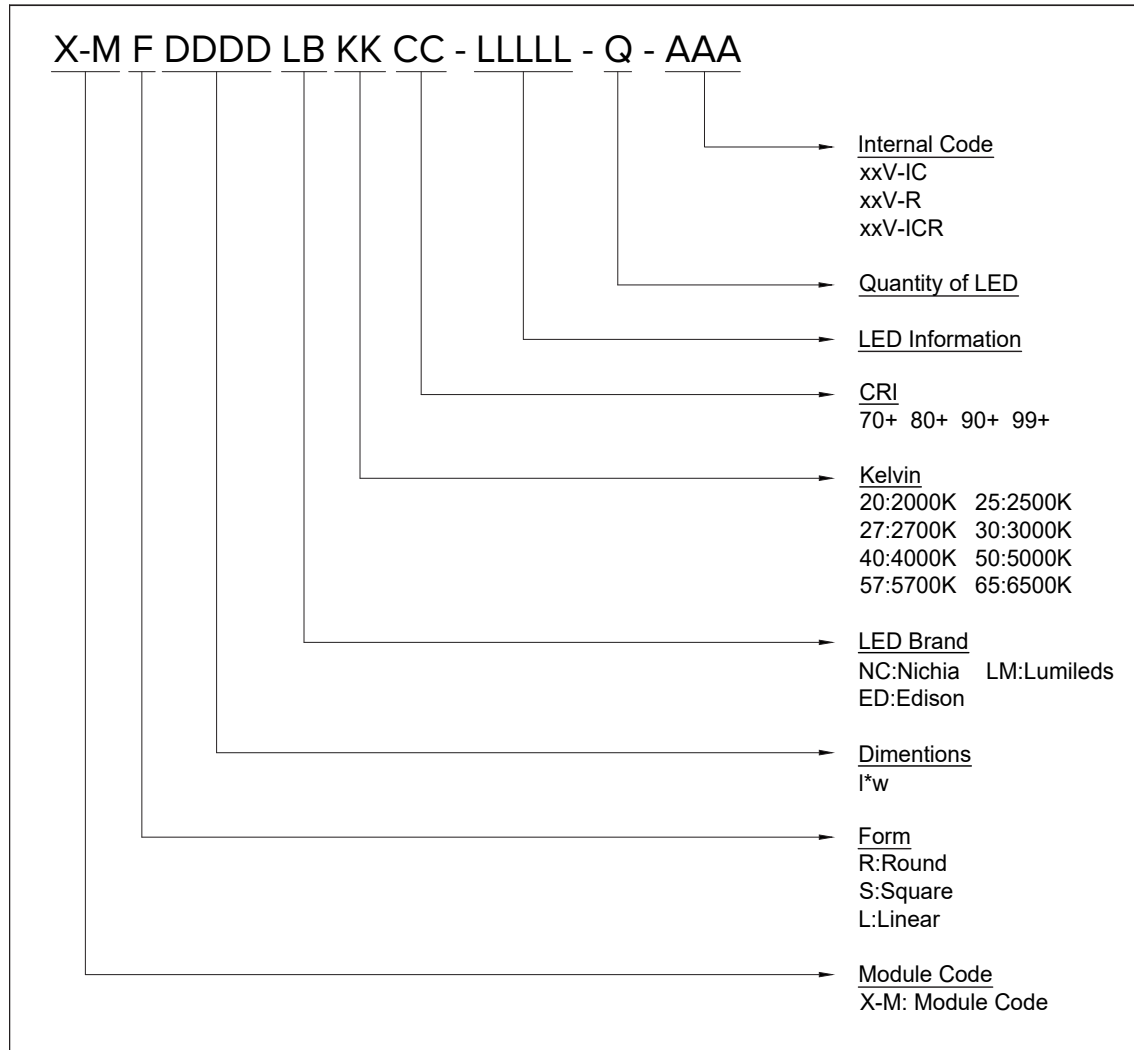
PHOTOMETRY



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	35V
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

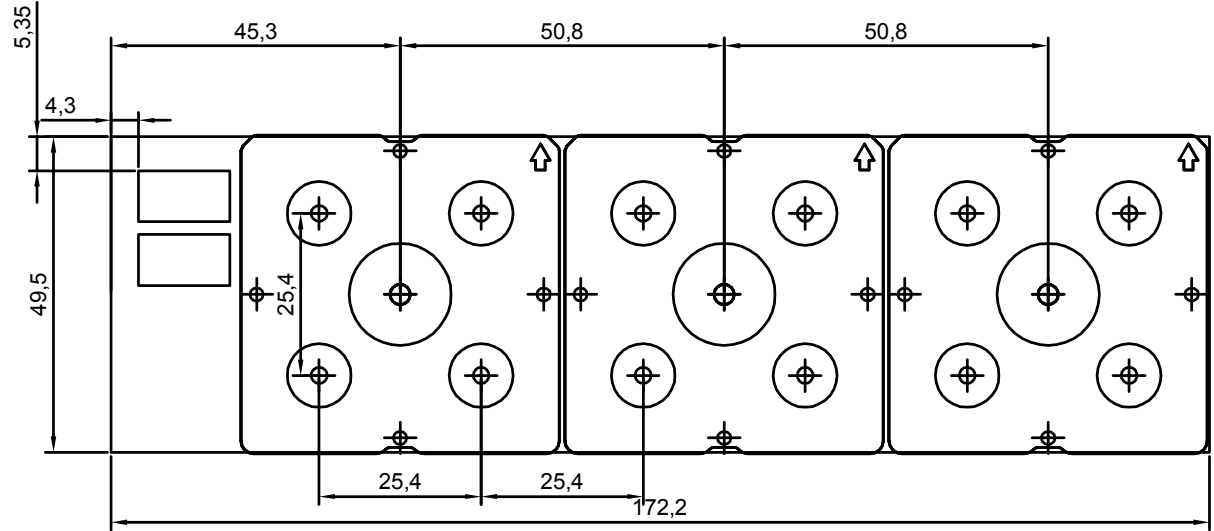
Common Characteristic [@Tj : 85°C] ;			
Moldule Code	X-MS50172LMxx-5050-12		
PCB Material	ALU	Electrical Connection	
Operating Temperature (°C)	-40 ~ +85	Parallel	2
Storage Temperature (°C)	-40 ~ +55	Series	6
Thermal Conductivity (W/m-K)	1>	LED Quantity	12
LED	5050 - Round		
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	31,80	33,00	35,10
Module Operating Current (mA)	500	700	1000
Branch Operating Current (mA)	250	350	500
Module Power (W)	15,90	23,10	35,10
Module Light Output (lm)	3.085	3.996	5.546
Module Efficiency (lm/W)	194	173	158
LED	5050- SQ		
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	31,80	33,00	35,10
Module Operating Current (mA)	500	700	1000
Branch Operating Current (mA)	250	350	500
Module Power (W)	15,90	23,10	35,10
Module Light Output (lm)	3.244	4.343	6.178
Module Efficiency (lm/W)	204	188	176

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

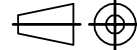

	Lumen Output Multiplier				
LED	2700°K (CRI 80)	3000°K (CRI 80)	4000°K (CRI 80)	5000°K (CRI 80)	6500°K (CRI 80)
5050-SQ	0,875	0,916	1	1	1
5050-Round	0,83	0,88	0,92	0,92	0,92

Relative luminous intensity versus CCT (°K)

X-MS50172LMxx-5050-12 MECHANICAL DRAWINGS



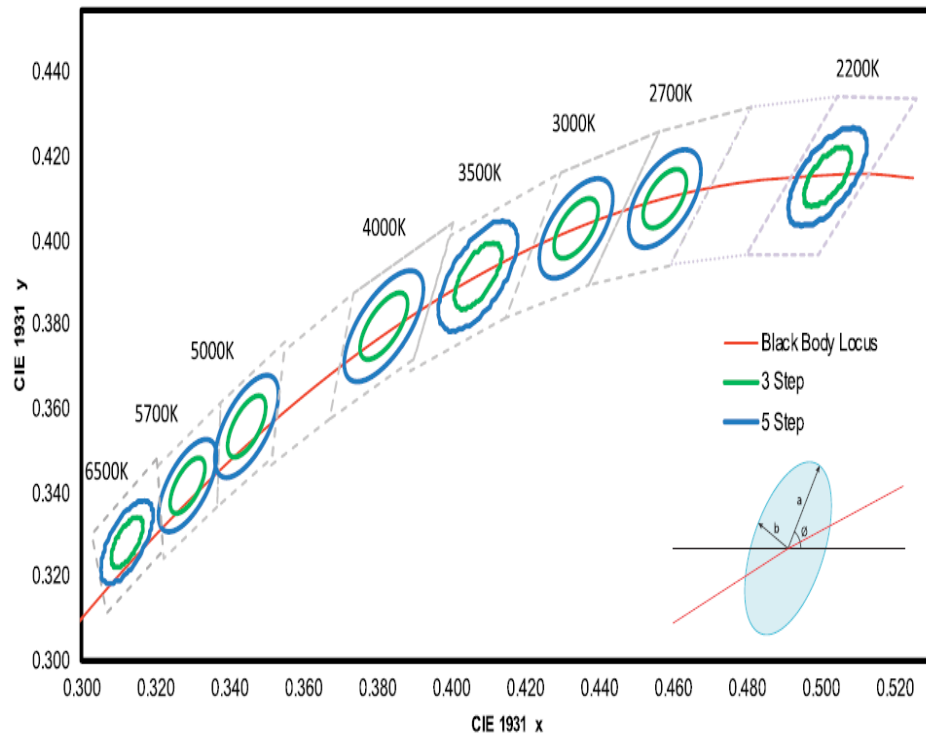
SERBEST ÖLÇÜ TOLERANSLARI -DIN 2768-1 / General Tolerances for linear and angular dimensions (DIN ISO 2768-1)

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) XXX		AGIRLIK (WEIGHT) XXX							
Revision		00											
Date		10.12.2019		TLS-001-10S50172LML50-12						OLÇEK / SCALE		A4	
Sheet													
Drawn By		Kaan ALTINTEN				 TD Lighting Solutions							
Checked By		Ibrahim OKMEN											
Approved By		Mesut CINAR											

TLS Teknoloji Sanayi ve Dis Ticaret A.S

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CCT AND BINNING INFORMATION



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