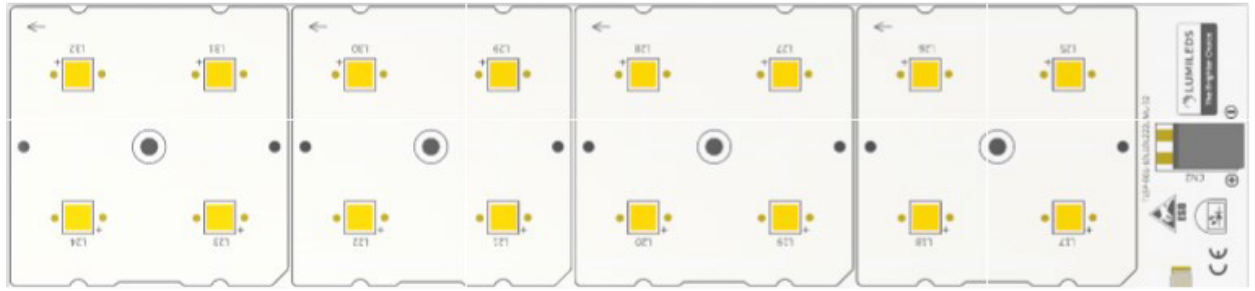




## PRODUCT PHOTO



## SPECIFICATIONS

- Default driving method is constant current input
- CCT Range from 2000°K up to 6500°K
- Luminous flux range from 2933 lm to 8082 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

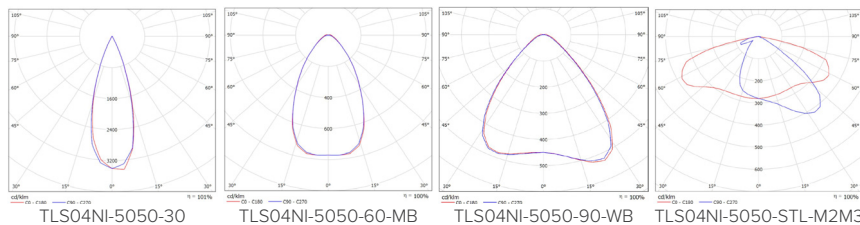
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## APPLICATIONS



Street Lighting High Bay Lighting Flood Lighting

## PHOTOMETRY





## DRIVING CURRENT VS LUMEN OUTPUT SPECIFICATION

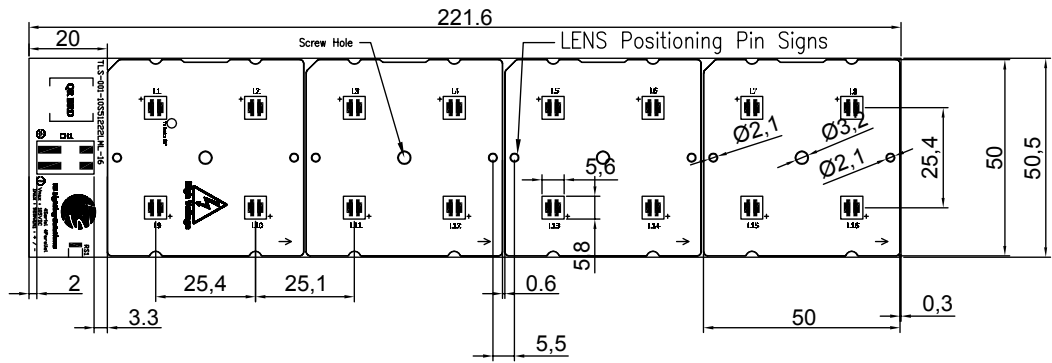
Common Characteristic [Tj : 85°C];			
Module Code	X-MS51222LMxx-5050-16		
PCB Material	ALU	Electrical Connection	
Operating Temperature (°C)	-40 ~ +85	Parallel	4
Storage Temperature (°C)	-40 ~ +55	Series	4
Thermal Conductivity (W/m-K)	1>	LED Quantity	16
<b>LED</b>			
<b>5050 - Round</b>			
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	21,60	22,56	23,28
Module Operating Current (mA)	700	1400	2000
Branch Operating Current (mA)	175	350	500
Module Power (W)	15,12	31,58	46,56
Module Light Output (lm)	2.933	5.464	7.356
Module Efficiency (lm/W)	194	173	158
<b>LED</b>			
<b>5050 - SQ</b>			
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	22	22	23
Module Operating Current (mA)	700	1400	2000
Branch Operating Current (mA)	175	350	500
Module Power (W)	15,20	31,36	45,92
Module Light Output (lm)	3.102	5.896	8.082
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)

## X-MS51222LMxx-5050-16 MECHANICAL DRAWINGS



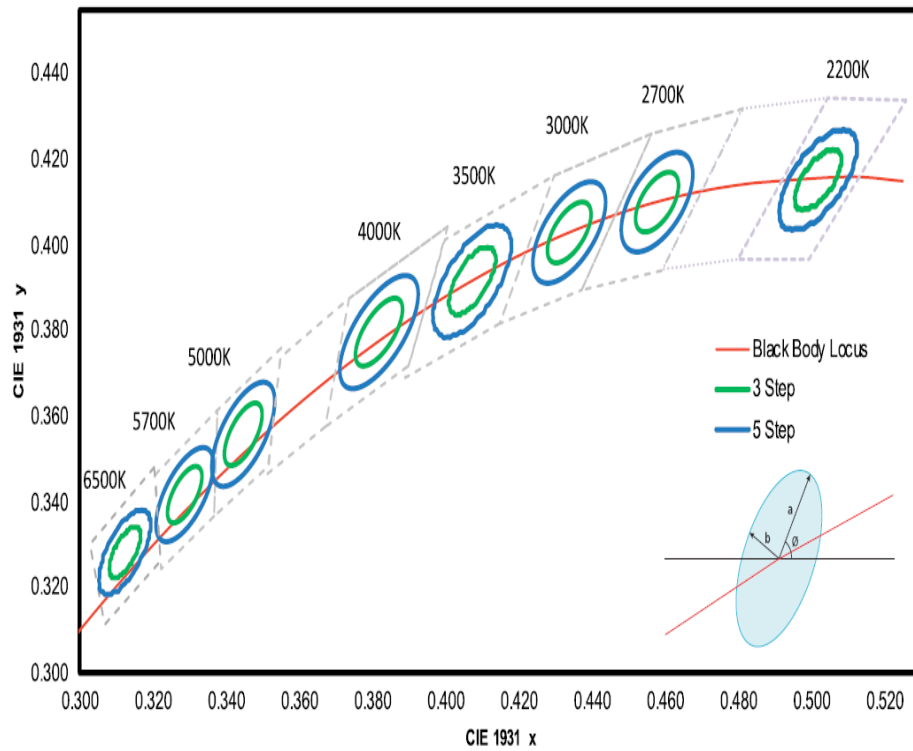
SERBEST ÖLÇÜ TOLERANSLARI -DIN 2768-1 / General Tolerances for linear and angular dimensions ( DIN ISO 2768-1)

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-001-10S51222LML-16			OLÇEK / SCALE
Sheet					A4
Drawn By	Kaan ALTINTEN				 <b>TD Lighting Solutions</b>
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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