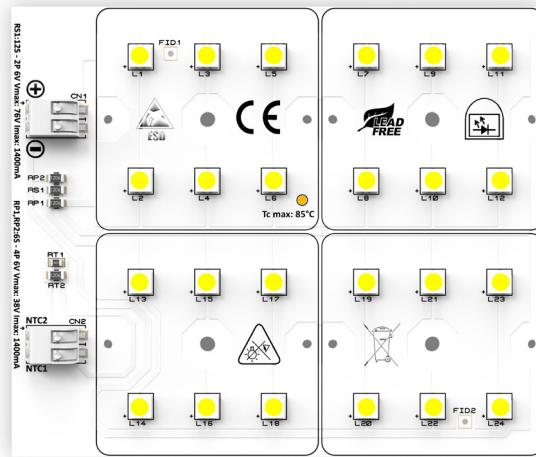




## PRODUCT PHOTO



## SPECIFICATIONS

- Default driving method is constant current input
- CCT Range from 2200K up to 6500K
- This module is standard and can be connected as 12 Series 2 Parallel.
- Luminous flux range from 6610 lm to 13535 lm
- Efficacy of the module up to 211 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



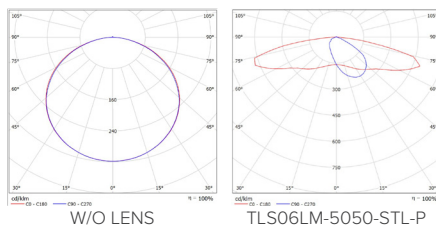
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## APPLICATIONS



Street Lighting

## PHOTOMETRY





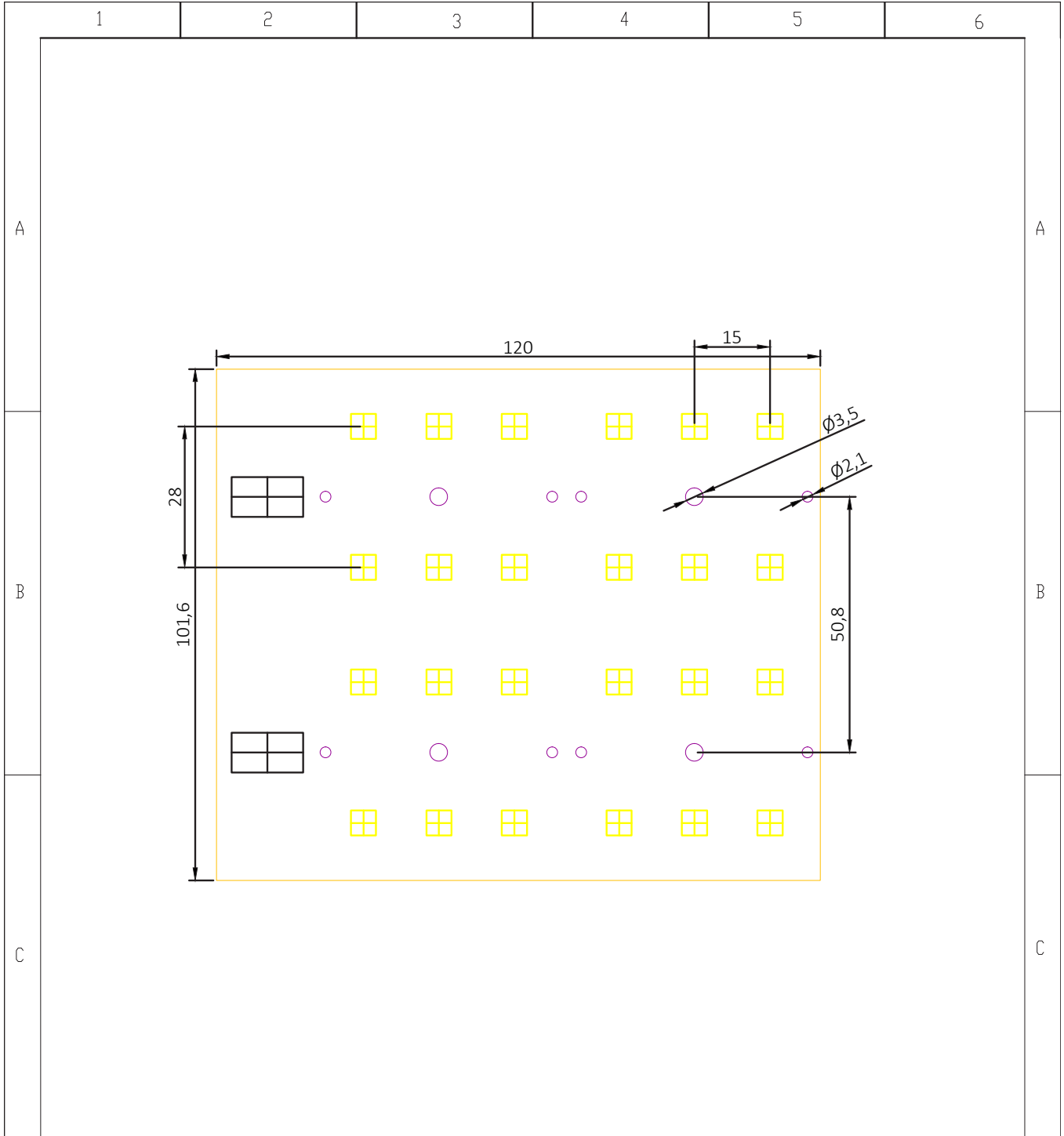
## DRIVING CURRENT VS LUMEN OUTPUT SPECIFICATION

Common Characteristic [@Tj] : 85°C ;			
Module Code	X-MS120102LM4070-5050HE-24		
PCB Material	ALU	Electrical Connection	
Operating Temperature (°C)	-40 ~ +100	Parallel	2
Storage Temperature (°C)	-40 ~ +55	Series	12
Thermal Conductivity (W/m-K)	1>	LED Quantity	24
<b>LED 5050HE</b>			
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	70+		
Module Operating Voltage (V)	67	69	71
Module Operating Current (mA)	500	700	1050
Branch Operating Current (mA)	250	350	525
Module Power (W)	34	48	75
Module Light Output (lm)	6804	9374	13093
Module Efficiency (lm/W)	202	194	175
<b>LED 5050ROUND</b>			
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	70+		
Module Operating Voltage (V)	68	69	72
Module Operating Current (mA)	500	700	1050
Branch Operating Current (mA)	250	350	525
Module Power (W)	34	48	75
Module Light Output (lm)	6610	9107	12719
Module Efficiency (lm/W)	196	188	169
<b>LED ETI5050</b>			
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	70+		
Module Operating Voltage (V)	69	70	72
Module Operating Current (mA)	500	700	1050
Branch Operating Current (mA)	250	350	525
Module Power (W)	34	49	76
Module Light Output (lm)	7258	9616	13535
Module Efficiency (lm/W)	211	196	178

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

LED	Lumen Output Multiplier						
	2200K (CRI 70)	2700K (CRI 70)	3000K (CRI 70)	4000K (CRI 70)	5000K(CRI 70)	5700K(CRI 70)	6500K(CRI 70)
5050HE	0,904	0,9656	0,9852	1	1,0174	1,004	1
5050ROUND	0,9105	0,9607	0,9925	1	1,0225	1,0075	1
ETI5050	-	0,961	0,9629	1	1,037	1	1

## X-MS120102LM4070-5050HE-24 MECHANICAL DRAWINGS



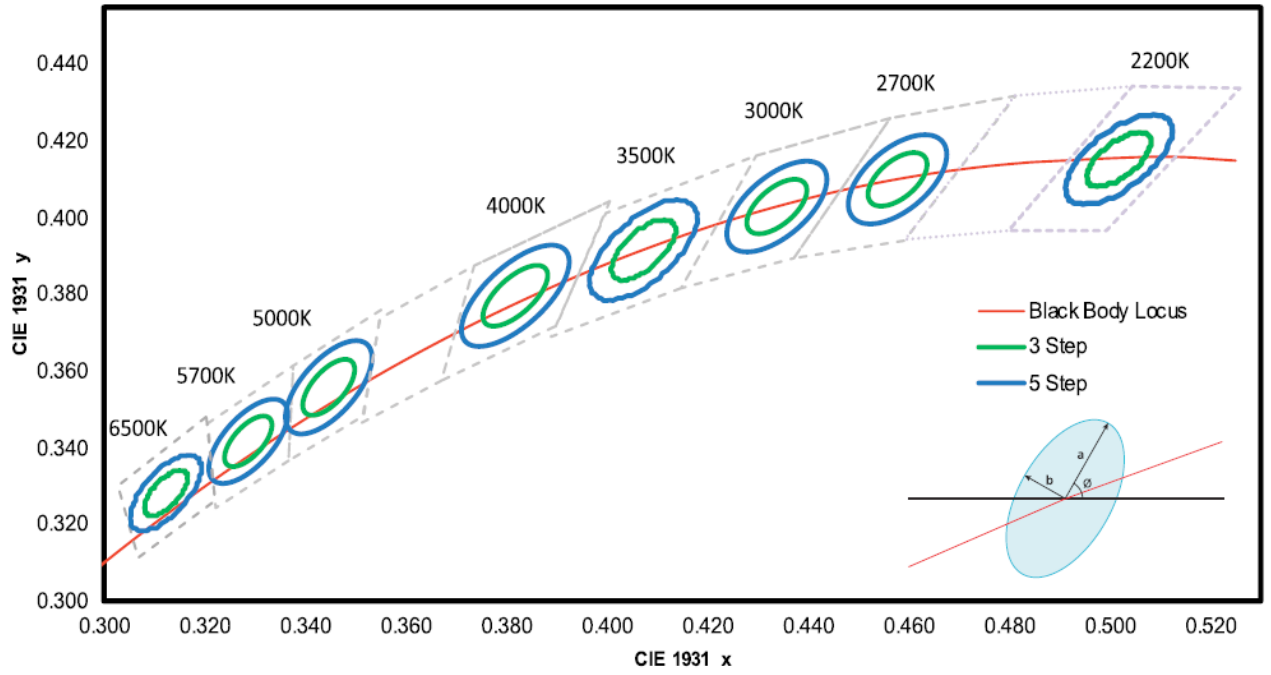
SERBEST ÖLÇÜ TOLERANSLARI -DIN 2768-1 / General Tolerances for linear and angular dimensions ( DIN ISO 2768-1)

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	--	--		
Date	26.10.2023	NAME TLS-001-15S102120LML50-24-T1.6		OLÇEK / SCALE	A4
Sheet				1 / 1	
Drawn By	Ibrahim OKMEN				
Checked By	Ibrahim OKMEN				
Approved By	--				

TLS Teknoloji Sanayi ve Dis Ticaret A.S

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CCT AND BINNING INFORMATION



DATASHEET

X-MS120102LM4070-5050HE-24

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## CONTACT

### **TLS Teknoloji Sistemleri San ve Dış Tic AŞ**

Akçaburgaz Mahallesi 3080. Sokak No:5 Esenyurt / İstanbul / TURKEY

info@tsteknoloji.com  
+90 444 27 33