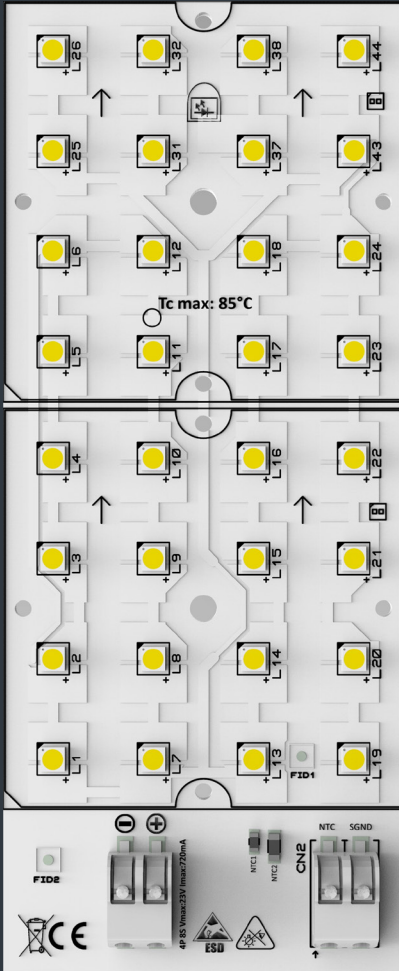




*TD Lighting Solutions*

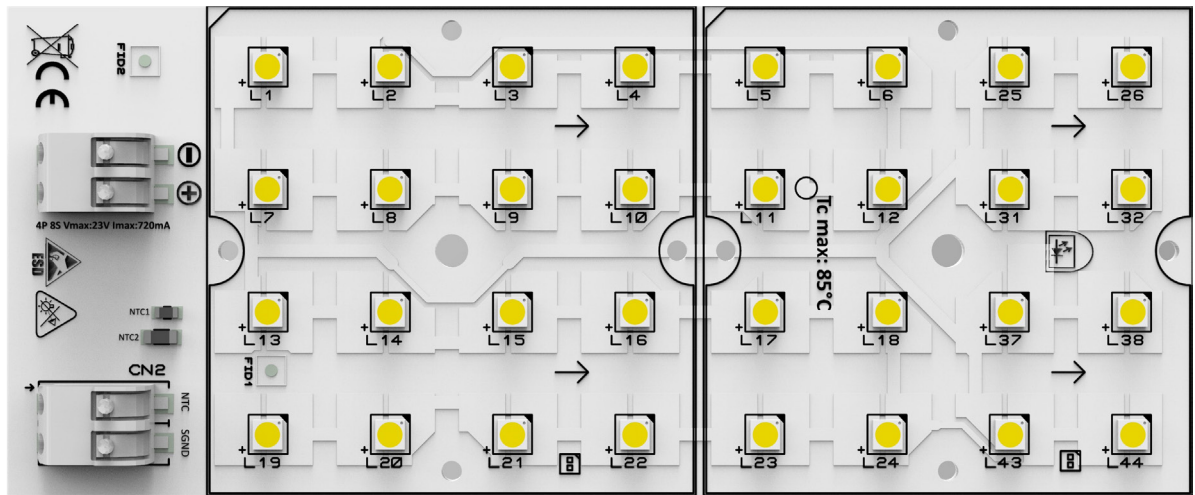
## **X-MS50122LM4070-3030-32**

Square Series



[www.tlsteknoloji.com](http://www.tlsteknoloji.com)

## PRODUCT PHOTO



## SPECIFICATIONS

- Default driving method is constant current input.
- CCT Range from 3000K up to 6500K
- Luminous flux range from 2870 lm to 5256 lm
- Efficiency of the module up to 179 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



Flood Light

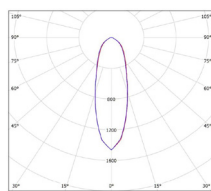


High Bay Lighting

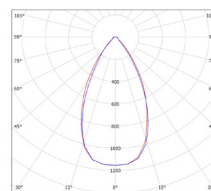


Very High Bay Lighting

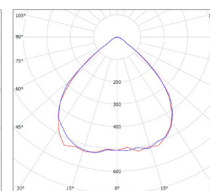
## PHOTOMETRY



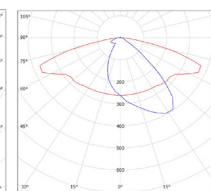
TLS16NI-5050-30



TLS16NI-5050-60-MB



TLS16NI-5050-90-WB

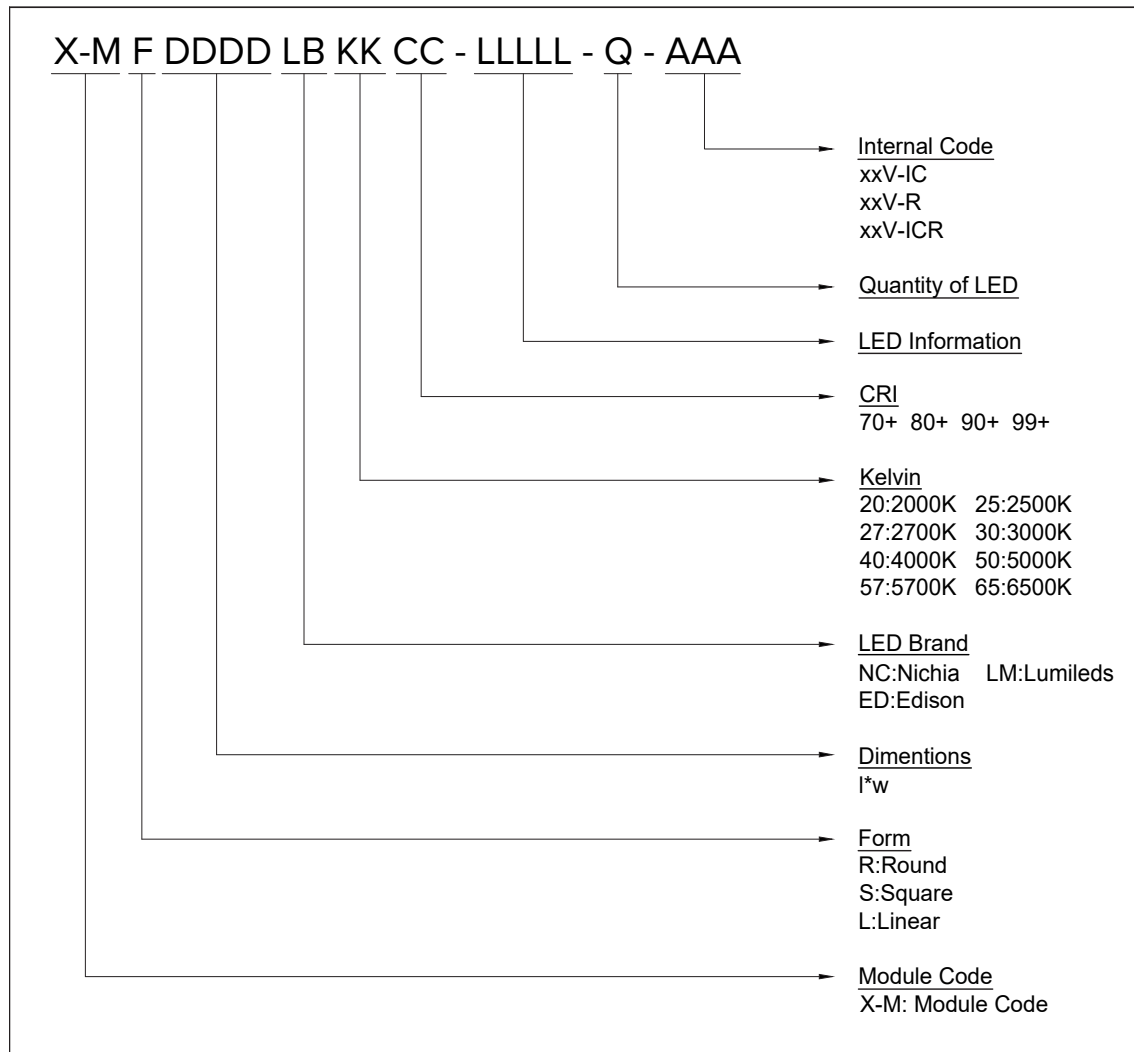


TLS04NI-5050-STL-M2M3

## TECHNICAL DATA

Beam Angle	120°
Ambient temperature range	-25° ~ +55°C
Tc max	85°C
Max. DC forward current	700mA
Typical voltage of LED Module at max current	49V
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

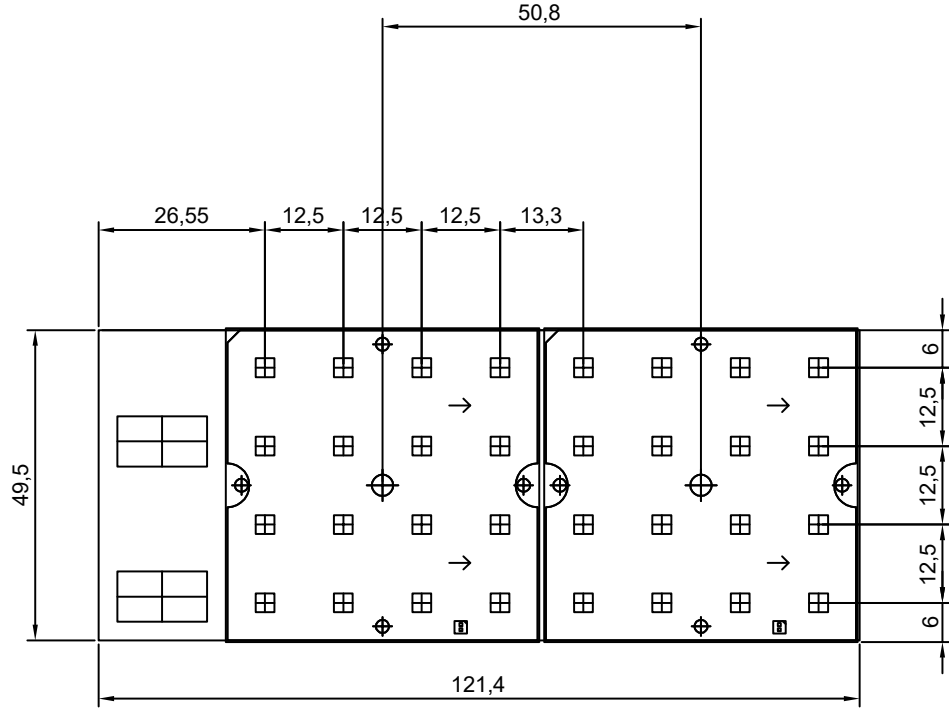
Common Characteristic [@Tj : 85°C] ;			
Module Code	X-MS50122LM4070-3030-32		
PCB Material	ALU	Electrical Connection	
Operating Temperature (°C)	-40 ~ +105	Parallel	4
Storage Temperature (°C)	-40 ~ +105	Series	8
Thermal Conductivity (W/m-K)	1	LED Quantity	32
LED 3030-2D			
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	70+		
Module Operating Voltage (V)	46	47	49
Module Operating Current (mA)	350	500	700
Branch Operating Current (mA)	88	125	175
Module Power (W)	16	24	34
Module Light Output (lm)	2870	3924	5256
Module Efficiency (lm/W)	179	167	153

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

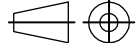

Lumen Output Multiplier						
LED	3000K (CRI 70)	3500K (CRI 70)	4000K (CRI 70)	5000K (CRI 70)	5700K (CRI 70)	6500K (CRI 70)
L130-4070003000X21	0,95	0,96	1,00	1,00	0,99	0,96

Relative luminous intensity versus CCT (K)

## X-MS50122LM4070-3030-32 MECHANICAL DRAWINGS



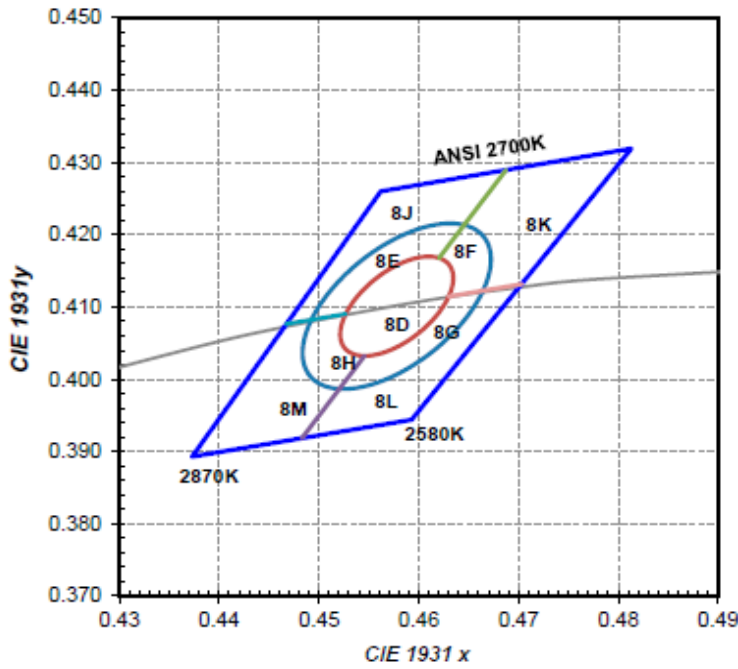
## SERBEST ÖLÇÜ TOLERANSLARI -DIN 2768-1 / General Tolerances for linear and angular dimensions ( DIN ISO 2768-1)

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		23.05.2022		P-TLS-001-10S50122NC30-32-T1.6						OLÇEK / SCALE 1 / 1		A4	
Sheet													
Drawn By		Kaan ALTINTEN											
Checked By		Kaan ALTINTEN											
Approved By		İbrahim ÖKMEN											

TLS Teknoloji Sanayi ve Dis Ticaret A.S

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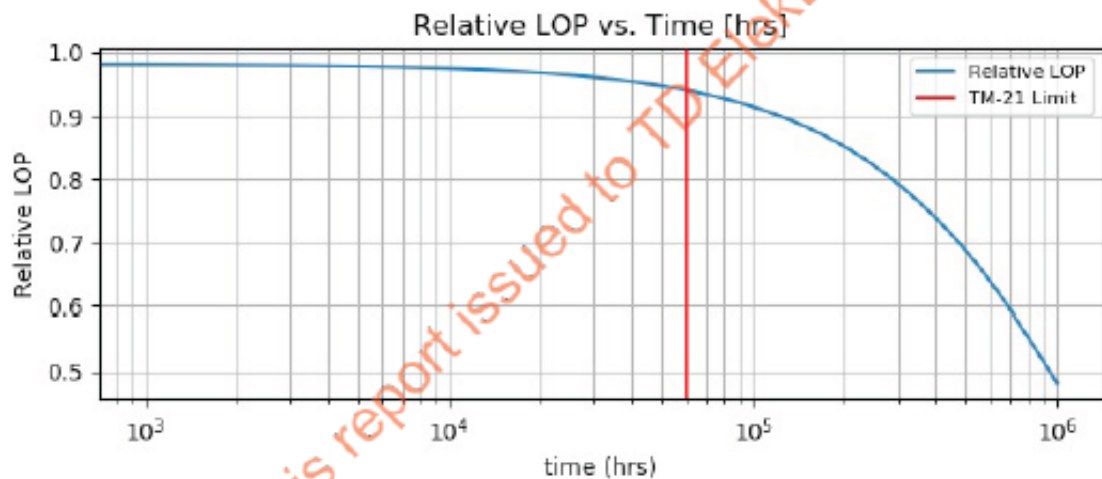
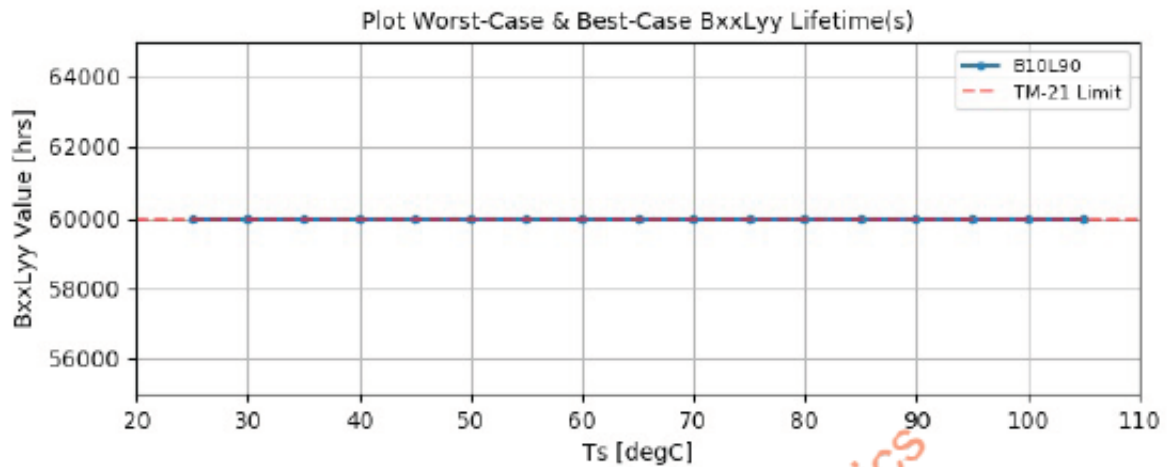
CCT AND BINNING INFORMATION



## LIFE TIME

MODEL NUMBER: LUXEON 3030

BxxLyy Lifetime(s) [hrs] vs. Ts [degC] (TM-21 Limited)



## Please note:

- These calculations are based on the applicable LM-80 Report for the specified Part Number(s), using TM-21.
- Lumen maintenance of BxxLyy is calculated using normal distribution with TM-21 limit applied graphically. It is assumed that flux and lifetime distribution have the same COV (coefficient of variation).
- All sample data points are included.
- In IEC 62717, there is no strict method of calculating BxxLyy values. BxxLyy values calculated with different calculation methods cannot be compared.

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