



X-MS82490ETI4070-5050-96

Linear Series

www.**tlsteknoloji**.com

X-MS82490ET14070-5050-96

PRODUCT PHOTO



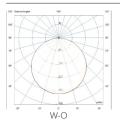
SPECIFICATIONS

- Default driving method is constant current input.
- CCT Range from 2200K up to 6500K
- Luminous flux range from 34346 lm to 65183 lm
- Efficiency of the module up to 186 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



APPLICATIONS

PHOTOMETRY

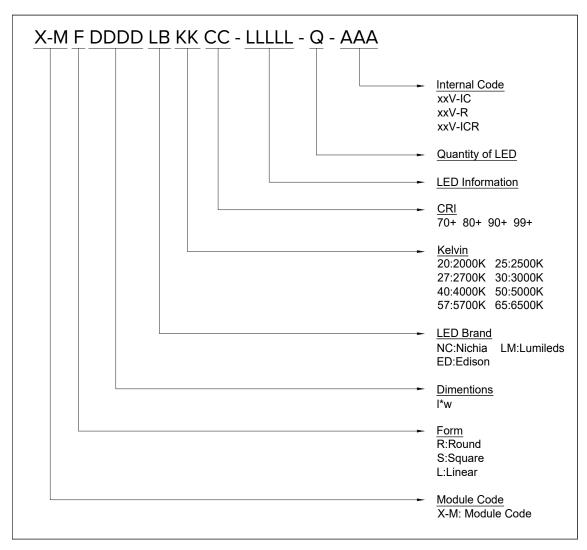


o Lighting Solutions

TECHNICAL DATA

120°
-25° ~ +55°C
85°C
2800mA
150V
2kV
Class 1
2
IP00

ORDERING INFORMATIONS



DRIVING CURRENT VS LUMEN OUTPUT SPECIFICATION

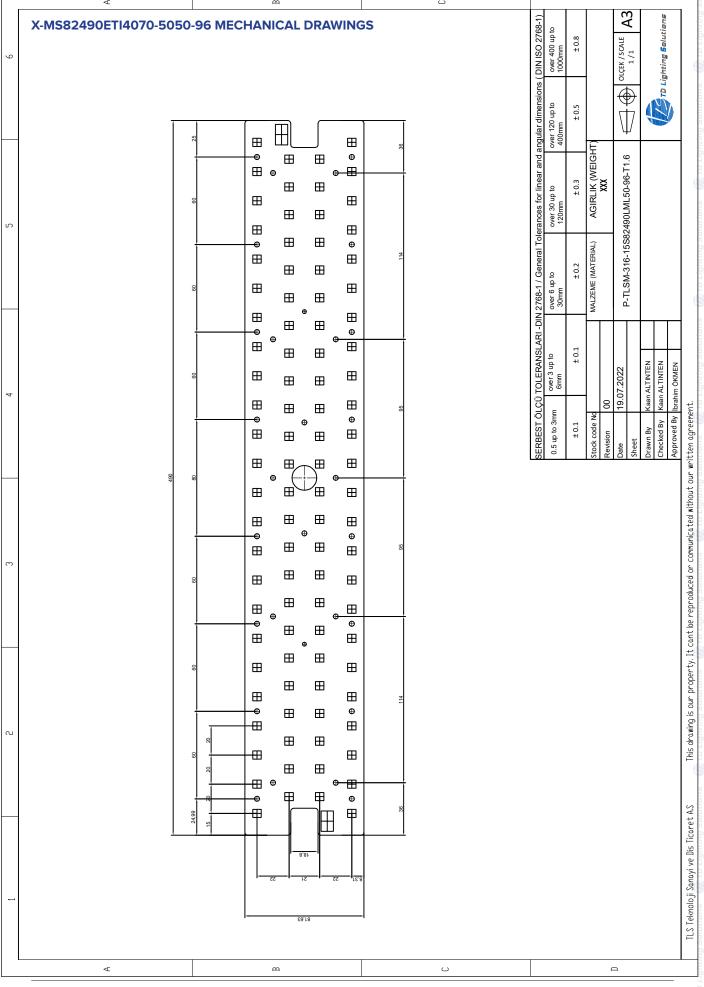
Common Characteristic [@Tj : 25°C] ;									
Module Code	X-MS82490ETI4	070-5050-96							
PCB Material	ALU		Electrical Co	nnection					
Operating Temperature (°C)	-40 ~ +	105	Parallel	4					
Storage Temperature (°C)	-40 ~ +	105	Series	24					
Thermal Conductivity (W/m-K)	1,5		LED Quantity	96					
LED		Eti-5	6050						
Correlated Color Temperature (CCT)		4000K							
Color Rendering Index (CRI)		70+							
Module Operating Voltage (V)	139	144	150						
Module Operating Current (mA)	1400	2000	2800)					
Branch Operating Current (mA)	350	500	700						
Module Power (W)	195	288	420						
Module Light Output (lm)	38304	52800	6959	0					
Module Efficiency (lm/W)	196	183	166						

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

Lumen Output Multiplier								
LED	2700K	3000K	3500K	4000K	5000K	5700K	6500K	
LED	(CRI 70)							
WR-EA5W40S05-HH	0,84	0,92	0,96	1,00	1,00	1,00	0,96	

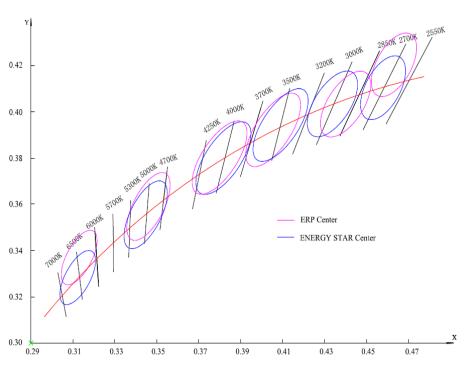
Relative luminous intensity versus CCT (K)





CCT AND BINNING INFORMATION

CIE chromaticity

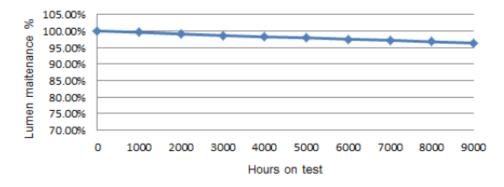


LIFE TIME

MODEL NUMBER: Eti 5050

		0h	Lumen Maintenace (%)								
Sample No.	Vf(V)	Flux (lm)	1000h	2000h	3000h	4000h	5000h	6000h	7000h	8000h	9000h
1	6.26	617.69	99.42%	99.48%	99.06%	98.48%	98.25%	97.83%	97.62%	97.34%	96.99%
2	6.26	629.15	99.65%	98.81%	98.45%	97.92%	97.51%	97.03%	96.52%	95.75%	95.40%
3	6.27	624.64	99.65%	98.79%	98.21%	98.03%	97.56%	97.17%	96.84%	96.16%	95.89%
4	6.29	622.36	99.52%	98.59%	98.18%	97.61%	97.49%	97.13%	96.62%	96.14%	95.89%
5	6.28	625.08	99.52%	99.01%	98.47%	97.77%	97.57%	97.13%	96.87%	96.16%	95.74%
6	6.3	621.68	99.95%	99.28%	98.70%	98.01%	97.90%	97.46%	97.11%	96.94%	96.74%
7	6.27	624.49	99.81%	99.59%	99.12%	98.71%	98.33%	97.95%	97.45%	97.12%	96.72%
8	6.26	620.92	99.69%	99.76%	99.25%	98.56%	98.41%	98.01%	97.50%	97.10%	96.68%
9	6.2	616.89	99.58%	98.64%	98.25%	98.07%	97.86%	97.37%	96.94%	96.23%	95.74%
10	6.26	617.64	99.42%	99.38%	98.91%	98.79%	98.68%	98.24%	98.04%	97.34%	97.18%
11	6.23	619.85	99.31%	98.50%	98.02%	97.46%	97.30%	96.85%	96.38%	96.02%	95.44%
12	6.26	622.08	99.55%	99.17%	98.69%	98.22%	98.01%	97.50%	97.23%	96.49%	96.28%
13	6.25	618.41	99.55%	99.50%	99.06%	98.42%	98.31%	97.94%	97.74%	97.05%	96.61%
14	6.26	603.31	99.89%	99.45%	98.79%	98.31%	98.05%	97.56%	97.21%	96.72%	96.25%
15	6.19	614.38	99.40%	98.46%	97.84%	97.50%	97.39%	96.94%	96.67%	96.19%	95.63%
16	6.26	613.31	99.69%	98.92%	98.41%	98.26%	97.87%	97.48%	97.31%	96.82%	96.62%
17	6.26	625.79	99.77%	99.10%	98.77%	98.30%	98.10%	97.71%	97.41%	97.09%	96.54%
18	6.25	617.14	99.47%	99.07%	98.71%	98.55%	98.29%	97.81%	97.65%	97.24%	96.66%
19	6.21	629.66	99.79%	99.02%	98.66%	98.49%	98.28%	97.92%	97.70%	97.52%	97.32%
20	6.21	613.50	99.48%	99.00%	98.63%	98.22%	98.01%	97.60%	97.09%	96.45%	96.01%
21	6.23	610.77	99.56%	99.43%	99.09%	98.82%	98.61%	98.16%	97.90%	97.71%	97.29%
22	6.21	627.46	99.55%	99.37%	99.02%	98.34%	97.92%	97.47%	97.25%	96.65%	96.29%
23	6.26	625.03	99.55%	99.07%	98.74%	98.12%	97.62%	97.19%	96.87%	96.66%	96.35%
24	6.27	608.68	99.53%	98.65%	98.34%	98.03%	97.49%	97.09%	96.72%	96.51%	96.17%
25	6.22	620.80	99.42%	98.86%	98.41%	98.23%	97.82%	97.40%	97.17%	96.78%	96.50%
Avg.	6.25	619.63	99.59%	99.08%	98.63%	98.21%	97.95%	97.52%	97.19%	96.73%	96.36%
Median	6.26	620.80	99.55%	99.07%	98.69%	98.23%	97.92%	97.48%	97.21%	96.72%	96.35%
Standard	0.03	6.49	0.16%	0.36%	0.37%	0.37%	0.39%	0.39%	0.44%	0.51%	0.55%
Max	6.3	629.66	99.95%	99.76%	99.25%	98.82%	98.68%	98.24%	98.04%	97.71%	97.32%
Min	6.19	603.31	99.31%	98.46%	97.84%	97.46%	97.30%	96.85%	96.38%	95.75%	95.40%

Lumen Maintenance 85°C



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