

X-ML09497LMxx-3014-56

Linear Series

www.**tlsteknoloji**.com

PRODUCT PHOTO

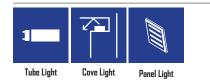


SPECIFICATIONS

- · Default driving method is constant Voltage input
- CCT Range from 2000°K up to 6500°K
- This module is optional and can be connected as 8 Series 7Parallel.
- Luminous flux range from 2650 lm to3600 lm
- Efficacy of the module up to 150 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



APPLICATIONS



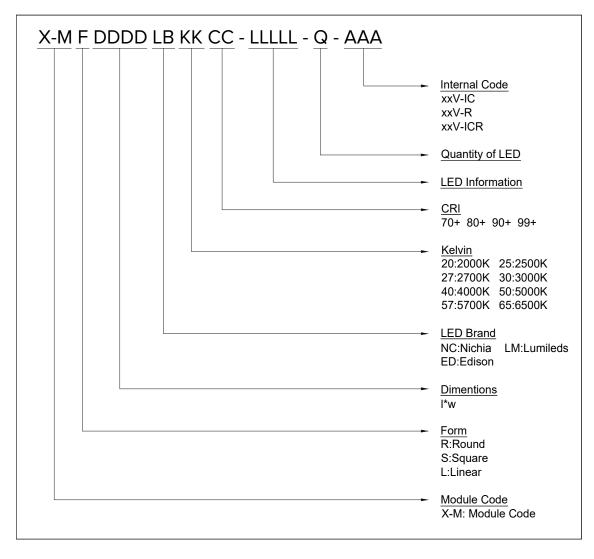
PHOTOMETRY



TECHNICAL DATA

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

ORDERING INFORMATIONS



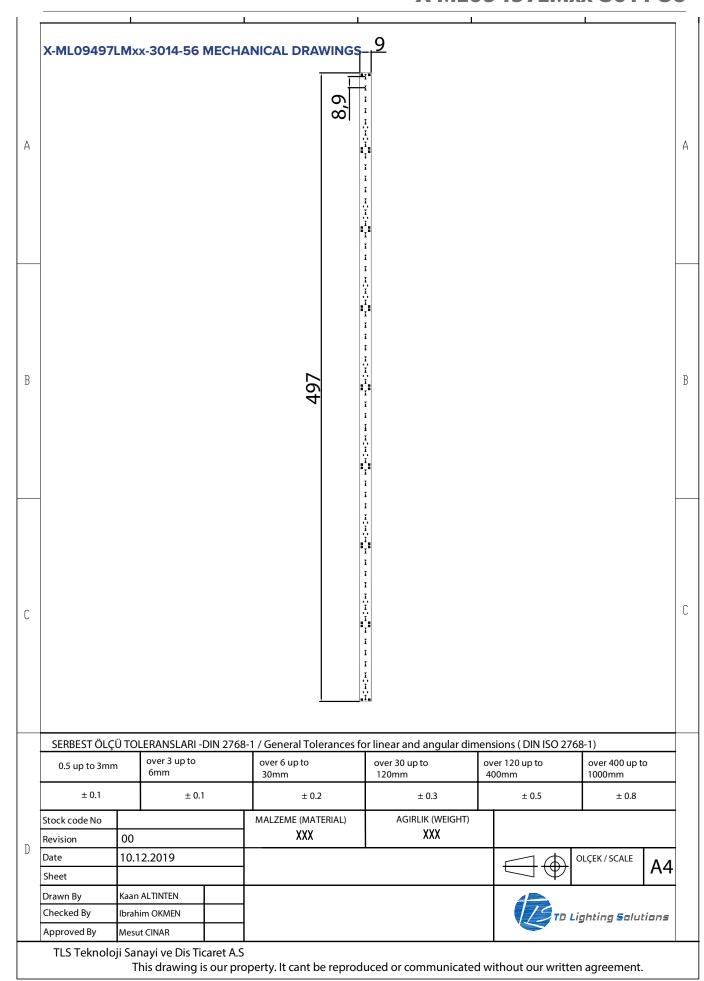
DRIVING CURRENT VS LUMEN OUTPUT SPECIFICATION

Common Characteristic [@Tj : 85°C];							
Module Code	X-ML09497LN	1xx-3014-56					
PCB Material	FR	4	Electrical Connection				
Operating Temperature (°C)	-40 ~	+85	Parallel	8			
Storage Temperature (°C)	-40 ~	+55	Series	7			
Thermal Conductivity (W/m-K)	1>	•	LED Quantity	56			
LED		30′	14				
Correlated Color Temperature (CCT)		4000K					
Color Rendering Index (CRI)		+08					
Module Operating Voltage (V)		24,00					
Module Operating Current (mA)	500	700	800				
Branch Operating Current (mA)	63	88	100				
Module Power (W)	12,00	16,80	19,20				
Module Light Output (Im)	3.600	2.335	2.650				
Module Efficiency (lm/W)	150	139	138				

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

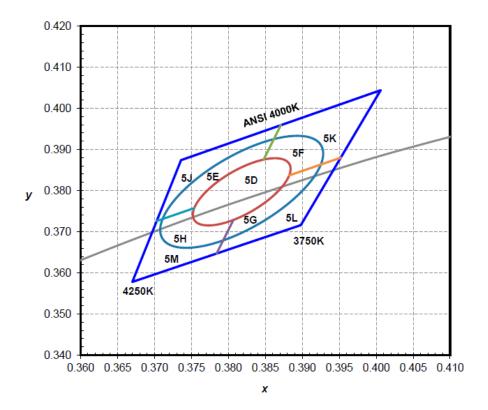
Lumen Output Multiplier							
LED	2700°K (CRI 80)	3000°K (CRI 80)	4000°K (CRI 80)	5000°K (CRI 80)	6500°K (CRI 80)		
3014	0,81	0,92	1	0,97	0,95		

Relative luminous intensity versus CCT (°K)



TO Lighting Solutions

CCT AND BINNING INFORMATION



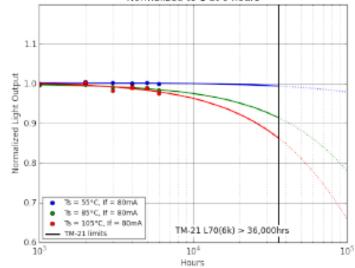
LIFE TIME

MODEL NUMBER: NF2x757xR

Normalized Flux Statistics for I, = 80mA

		Ohrs	1000hrs	2000hrs	3000hrs	4000hrs	5000hrs	6000hrs	alpha	В	L70
	median -	1.0000	1.0001	1.0046	0.9850	0.9932	0.9893	0.9775			
Ts=Tair=105°C	average =	1.0000	0.9992	1.0024	0.9828	0.9920	0.9881	0.9765	4.2281e-06	1.0049	85,509
	st dev =	0.0000	0.0039	0.0073	0.0071	0.0084	0.0102	0.0117	TM-21 L7	0(6k) > 36	,000hrs
	min =	1.0000	0.9849	0.9751	0.9565	0.9721	0.9644	0.9490			
	max -	1.0000	1.0030	1.0099	0.9938	1.0090	1.0079	0.9927			
	median -	1.0000	0.9972	1.0011	0.9917	0.9892	0.9890	0.9831			
Ts=Tair=85°C	average =	1.0000	0.9959	0.9980	0.9909	0.9895	0.9901	0.9837	2.4796e-06	1.0000	143,847
	st dev =	0.0000	0.0072	0.0148	0.0168	0.0173	0.0175	0.0189	TM-21 L7	0(6k) > 36	,000hrs
	min -	1.0000	0.9679	0.9529	0.9407	0.9375	0.9379	0.9297			
	max -	1.0000	1.0051	1.0167	1.0179	1.0151	1.0179	1.0124			
	median -	1.0000	1.0002	1.0061	1.0026	1.0020	1.0025	1.0005			
Ts=Tair=55°C	average =	1.0000	0.9998	1.0050	1.0031	1.0019	1.0019	1.0002	2.3852e-07	1.0028	1,507,213
	st dev =	0.0000	0.0023	0.0058	0.0091	0.0109	0.0111	0.0113	TM-21 L7	0(6k) > 36	5,000hrs
	min -	1.0000	0.9928	0.9853	0.9768	0.9713	0.9689	0.9667			
	max -	1.0000	1.0030	1.0139	1.0189	1.0206	1.0212	1.0209			





Delta u'v' for I,= 80mA

		Ohrs	1000hrs	2000hrs	3000hrs	4000hrs	5000hrs	6000hrs
	median -	0.0000	0.0002	0.0007	0.0008	0.0009	0.0010	0.0012
Ts=Tair=105°C	average =	0.0000	0.0002	0.0007	0.0008	0.0009	0.0011	0.0012
	st dev =	0.0000	0.0001	0.0001	0.0001	0.0002	0.0001	0.0002
	min -	0.0000	0.0001	0.0006	0.0006	0.0007	0.0008	0.0007
	max -	0.0000	0.0004	0.0009	0.0010	0.0014	0.0015	0.0018
	median -	0.0000	0.0001	0.0005	0.0007	0.0010	0.0009	0.0010
Ts=Tair=85°C	average =	0.0000	0.0002	0.0006	0.0008	0.0011	0.0010	0.0011
	st dev =	0.0000	0.0002	0.0004	0.0004	0.0005	0.0004	0.0004
	min -	0.0000	0.0000	0.0001	0.0003	0.0004	0.0005	0.0006
	max -	0.0000	0.0009	0.0019	0.0022	0.0026	0.0024	0.0025
	median -	0.0000	0.0001	0.0004	0.0006	0.0009	0.0007	0.0009
Ts=Tair=55°C	average =	0.0000	0.0001	0.0005	0.0006	0.0009	0.0008	0.0009
	st dev =	0.0000	0.0001	0.0001	0.0002	0.0002	0.0002	0.0003
	min -	0.0000	0.0000	0.0003	0.0003	0.0006	0.0004	0.0006
	max -	0.0000	0.0003	0.0009	0.0013	0.0018	0.0016	0.0019

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