

X-ML101000SE4080-IAH0-70-24V-IR

Linear Series

www.**tlsteknoloji**.com

PRODUCT PHOTO

SPECIFICATIONS

- · Default driving method is constant current input
- CCT Range from 1800K up to 6500K
- This module is standard and can be connected as 7 Series 10 Parallel.
- Luminous flux range from 388 lm to 3027 lm
- · Efficacy of the module up to 212 lm/W
- · CRI 80 is standard, CRI 70 and CRI 90 are available
- · Outstanding system color tolerance MacAdam 3 over the full operating area

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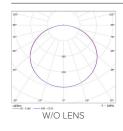
- Simple installation (e.g. screw)
- Long life-time > 60,000 hours
- 5 years guarantee at specified conditions



APPLICATIONS



PHOTOMETRY



DATASHEET

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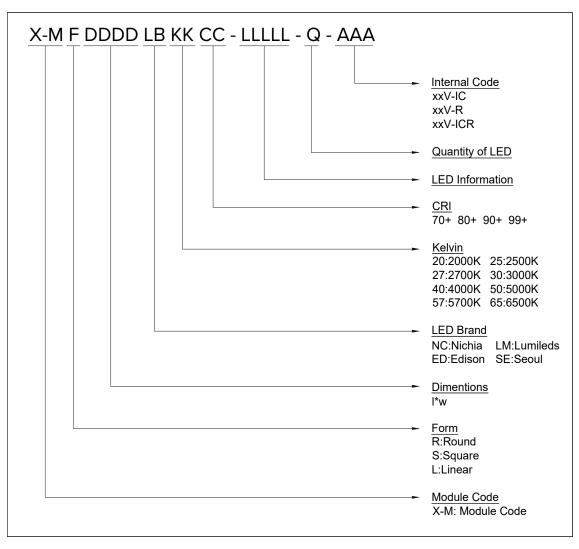


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TECHNICAL DATA

Beam Angle	120°				
Ambient temperature range	-25° ~ +55°C				
Tc max	85℃				
	Seoul IAH0	Lumileds 2835 2K1	Lumileds 2835 HE		
Max. DC forward current	1050	1050	1050		
Typical voltage of LED Module at max current	22,4V	22,4V	19,46V		
Insulation test voltage	2kV	2kV	2kV		
ESD classification	Class 1	Class 1	Class 1		
Risk group (EN 62471:2008)	2	2	2		
Type of protection	IP00	IP00	IP00		

ORDERING INFORMATIONS



DATASHEET



DRIVING CURRENT VS LUMEN OUTPUT SPECIFICATION

Comm	non Characteristic	[@Tj : 85°C] ;				
Module Code	X-ML101000SE40	80-IAH0-70-24V	/-IR			
PCB Material	Al	U	Electrical Connection			
Operating Temperature (°C)	-40 ~	+100	Parallel	10		
Storage Temperature (°C)	-40 ~	- +40	Series	7		
Thermal Conductivity (W/m-K)	1	>	LED Quantity	70		
LED	Seoul IAH0					
Correlated Color Temperature (CCT)		4000K				
Color Rendering Index (CRI)		80+				
Module Operating Voltage (V)	24V	24V	24V			
Module Operating Current (mA)	500	650	800			
Branch Operating Current (mA)	50	65	80			
Module Power (W)	12,00	15,60	19,20)		
Module Light Output (lm)	1.584	2.028	2.458	8		
Module Efficiency (lm/W)	132	130	128			
LED	Lumileds 2835 2K1					
Correlated Color Temperature (CCT)		4000K				
Color Rendering Index (CRI)		80+				
Module Operating Voltage (V)	24	24	24			
Module Operating Current (mA)	500	650	800			
Branch Operating Current (mA)	50	65	80			
Module Power (W)	12,00	15,60	19,20)		
Module Light Output (lm)	1.944	2.496	3.034	ļ		
Module Efficiency (lm/W)	162	160	158			
LED		Lumileds	2835 HE			
Correlated Color Temperature (CCT)		4000K				
Color Rendering Index (CRI)		80+				
Module Operating Voltage (V)	24	24	24			
Module Operating Current (mA)	500	650	800			
Branch Operating Current (mA)	50	65	80			
Module Power (W)	12,00	15,60	19,20)		
Module Light Output (lm)	1.956	2.527	3.091			
Module Efficiency (lm/W)	163	162	161			

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

Lumen Output Multiplier								
LED	2700K (CRI 80)	3000K (CRI 80)	4000K (CRI 80)	5000K (CRI 80)	6500K (CRI 80)			
Seoul IAH0	0,93	0,93	1	1	1			
Lumileds 2835 2K1	0,9696	0,985	1	1	1			
Lumileds 2835 HE	0,97	0,961	1	1	1			

Relative luminous intensity versus CCT (K)

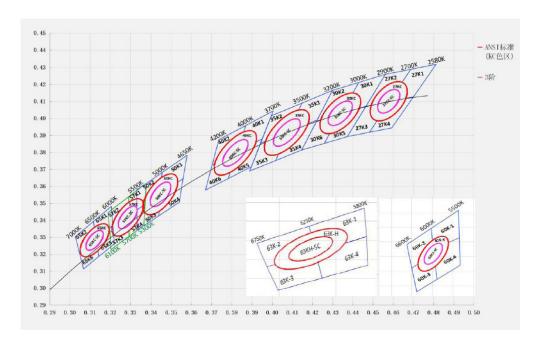


X-ML101000SE4080-IAH0-70-24V-IR

	X-MI 10100	0SF	4080-144	0-70-24	V-IR MECHANICAL	DRAWINGS			
	1		2		3	4	5	6	
A									A
В					1000	ł			В
С									С
	SERBEST Ö	lçü	TOLERANSL	ARI -DIN	2768-1 / General Tolera	ances for linear and a	ngular 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 (WEIGH	Г)	I	1
_	Revision 00								
D	Date	18.05.2023			TLS-001-10L101000LML28-70-24V-IR-T1			1	
	Sheet				123-001-10110100	JULIVILZO-7U-Z4V-IN-11	$\Box \Box \Psi$	$\frac{1/1}{1/1}$	ł
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	Approved By								
	TLS Teknoloj	i Sano	ayi ve Dis Tic	aret A.S					

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CCT AND BINNING INFORMATION



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CONTACT

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TO Lighting Solutions

