

# X-ML201120LM-4080-2835SA-128

Linear Series

www.**tlsteknoloji**.com

64

### **PRODUCT PHOTO**

### **SPECIFICATIONS**

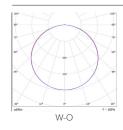
- Default driving method is constant current input
- CCT Range from 2700K up to 6500K •
- This module is standard and can be connected as 32 Series 4 Parallel. •
- Luminous flux range from 1352 lm to 11709.83 lm •
- Efficacy of the module up to 200 lm/W •
- CRI 80 is standard, CRI 70 and CRI 90 are available •
- 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



DATASHEET

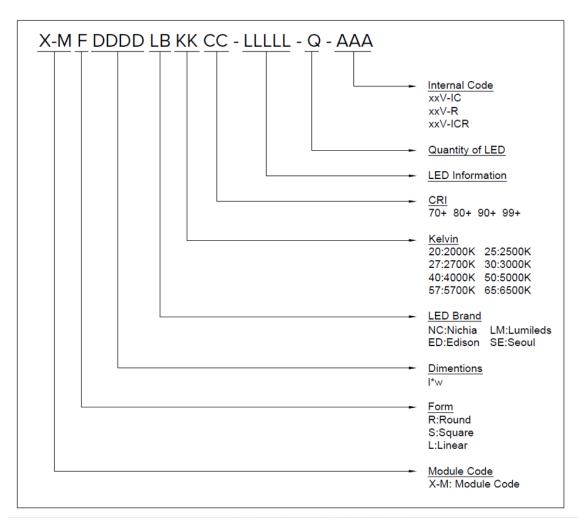
X-ML201120LM-4080-2835SA-128



### **TECHNICAL DATA**

Beam Angle	120°
Ambient temperature range	-25° ~ +55°C
Tc max	85°C
	2835SA-A1
Max. DC forward current	700mA
Typical voltage of LED Module at max current	92,8V
Insulation test voltage	2kV
ESD classification	Class 1
Risk group (EN 62471:2008)	2
Type of protection	IP00

### **ORDERING INFORMATIONS**





### DRIVING CURRENT VS LUMEN OUTPUT SPECIFICATION

Commo	on Characteristic	[@Tj : 85°C] ;		
Module Code	X-ML201120LM40	)802835SA-128		
PCB Material	FF	84	Electrical Connection	
Operating Temperature (°C)	-40 ~	+100	Parallel	4
Storage Temperature (°C)	-40 ~	- +55	Series	32
Thermal Conductivity (W/m-K)	1	>	LED Quantity	128
LED	2835SA-A1			
Correlated Color Temperature (CCT)		4000K		
Color Rendering Index (CRI)		80+		
Module Operating Voltage (V)	87	88	91	
Module Operating Current (mA)	250	350	500	
Branch Operating Current (mA)	62	87	125	
Module Power (W)	21,68	30,91	45,28	
Module Light Output (lm)	4.088	5.595	7.748	3
Module Efficiency (lm/W)	189	181	171	

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

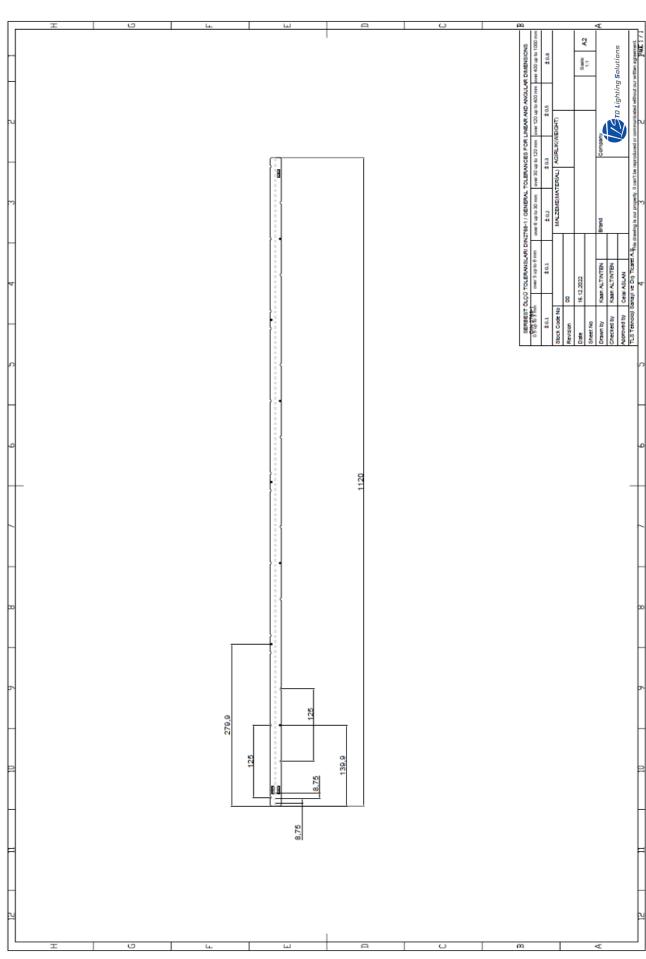
Lumen Output Multiplier						
LED	2700K (CRI 80)	3000K (CRI 80)	4000K (CRI 80)	5000K (CRI 80)	6500K (CRI 80)	
2835SA-A1	0,97	0,984	1	1	1	

Relative luminous intensity versus CCT (K)



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### X-ML201120LM40802835SA-128 MECHANICAL DRAWINGS

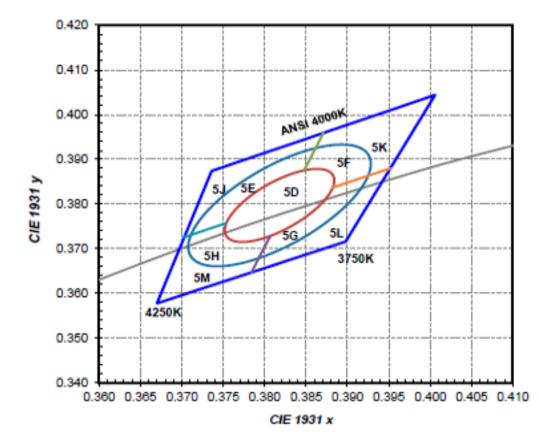


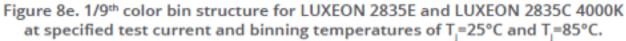
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🕼 TD Lighting Solutions

### **CCT AND BINNING INFORMATION**







### LIFE TIME

MODEL NUMBER: 2835SA





# **IESNA LM-80-08**

# MEASURING LUMEN MAINTENANCE OF LED LIGHT SOURCES

### MEASUREMENT AND TEST REPORT For

Lumileds Holding B.V. 370 W. Trimble Road, San Jose, CA 95131, USA

Model:L128-3080RA35000Q1

	Q	
Report Type: 9000 Hours Test F	Product Type: LED Package	
Test Engineer:	Daniel Duan Donsel Duan	
Report Number:	R2DG180817050-10	
Test Date:	2015-04-02 to 2016-04-11	
Report Date:	2018-08-17	
Reviewed By:	Bill Xiong / EE Engineer Brin King	
Prepared By:	Bay Area Compliance Laboratories Corp. (Dongguan). No.69, Pulongcun, Puxinhu Industry Area, Tangxia, Dongguan, Guangdong, China. Tel: +86-0769-86858888 Fax:+86-0769-86858588	ACE

Note: The test data was only valid for the test sample(s). This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Dongguan).

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CONTACT

DATASHEET

X-ML201120LM-4080-2835SA-128

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

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

info@tlsteknoloji.com +90 444 27 33

