

X-ML201120LM-4080-2835SA-128

Linear Series

www.**tlsteknoloji**.com

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PRODUCT PHOTO

SPECIFICATIONS

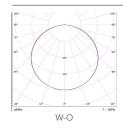
- Default driving method is constant current input
- CCT Range from 2700K up to 6500K •
- This module is standard and can be connected as 32 Series 4 Parallel. •
- Luminous flux range from 1352 lm to 11709.83 lm •
- Efficacy of the module up to 200 lm/W •
- CRI 80 is standard, CRI 70 and CRI 90 are available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

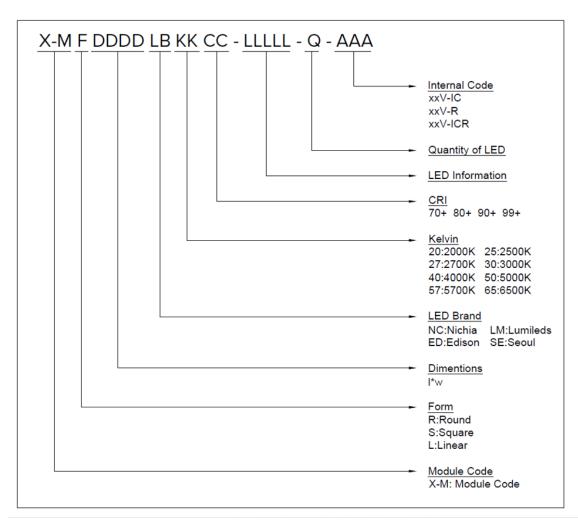
X-ML201120LM-4080-2835SA-128



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)

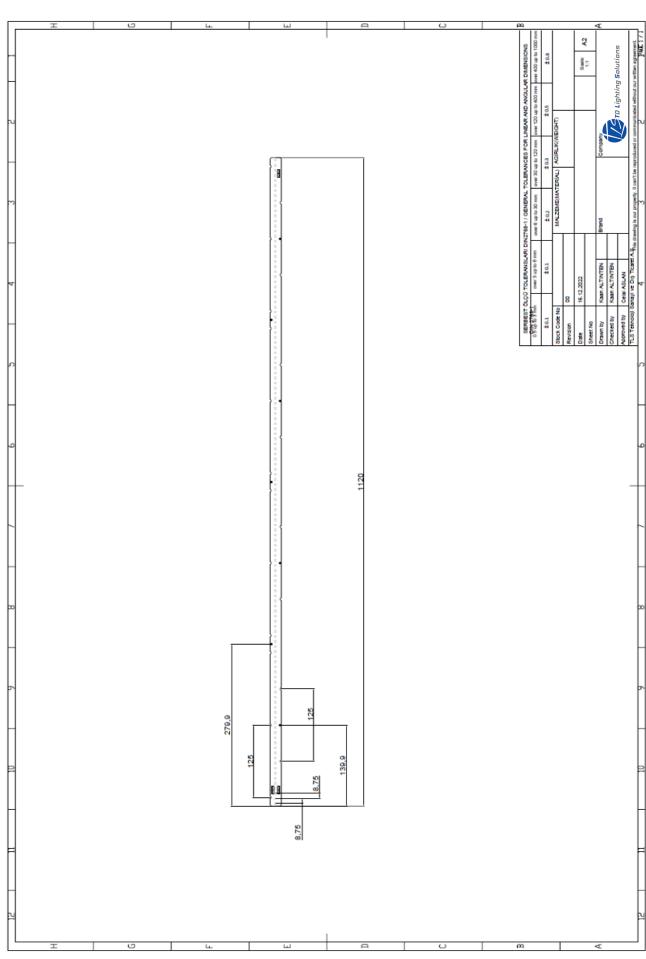
| Lumen Output Multiplier | | | | | | |
|-------------------------|----------------|----------------|----------------|----------------|----------------|--|
| LED | 2700K (CRI 80) | 3000K (CRI 80) | 4000K (CRI 80) | 5000K (CRI 80) | 6500K (CRI 80) | |
| 2835SA-A1 | 0,97 | 0,984 | 1 | 1 | 1 | |

Relative luminous intensity versus CCT (K)



X-ML201120LM-4080-2835SA-128

X-ML201120LM40802835SA-128 MECHANICAL DRAWINGS

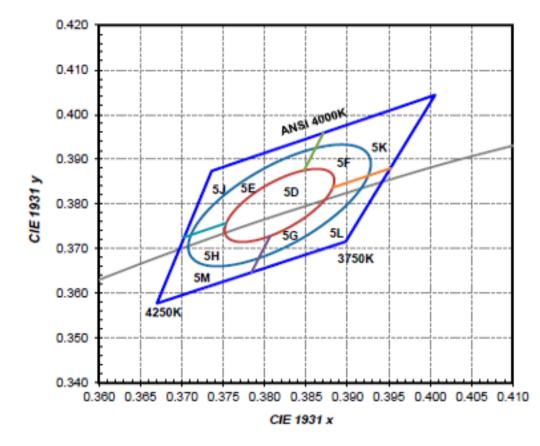


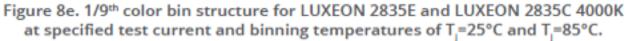
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CCT AND BINNING INFORMATION







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

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