



X-ML16500LMxx-2835RA-2F1-54

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PRODUCT PHOTO



SPECIFICATIONS

- Default driving method is constant current input.
- CCT Range from 2000K up to 6500K
- This module is standard and can be connected as 18 Series 3 Parallel.
- Luminous flux range from 1285 lm to 3777 lm
- Efficacy of the module up to 185 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



For your orders please call us:

+90 444 27 33

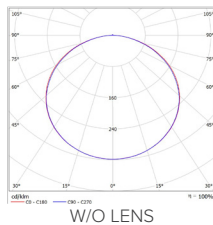
APPLICATIONS



Cove Light

Architectural
Lighting

PHOTOMETRY

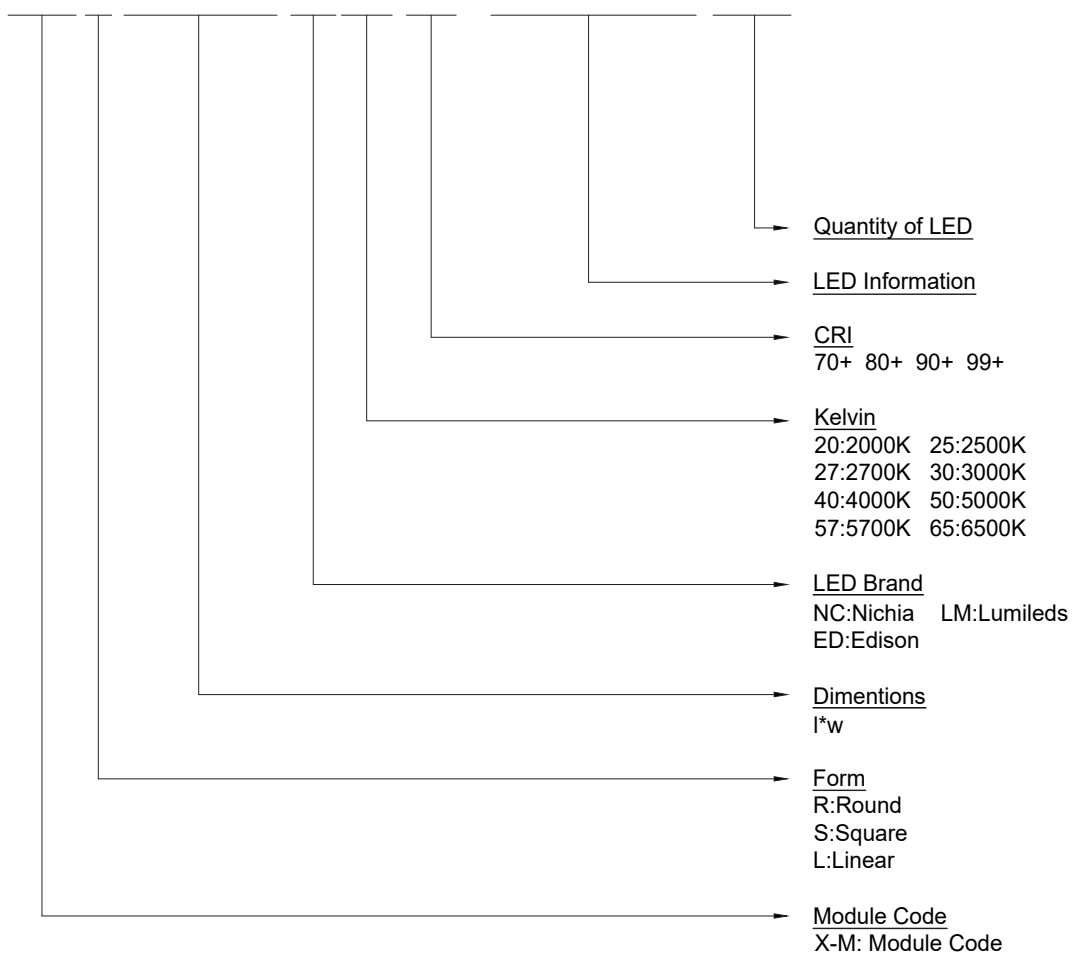


TECHNICAL DATA

Beam Angle	120°
Ambient temperature range	-25° ~ +55°C
Tc max	85°C
Max. DC forward current	400mA
Typical voltage of LED Module at max current	56V
Insulation test voltage	2kV
ESD classification	Class 1
Risk group (EN 62471:2008)	1
Type of protection	IP00

ORDERING INFORMATION

X-M F DDDDDD LB KK CC - LLLLLL - LLL QQQ

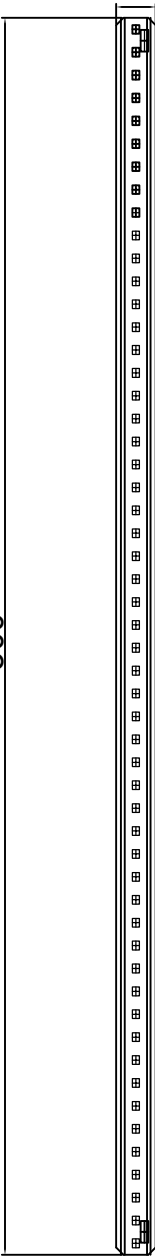


DRIVING CURRENT VS LUMEN OUTPUT SPECIFICATION

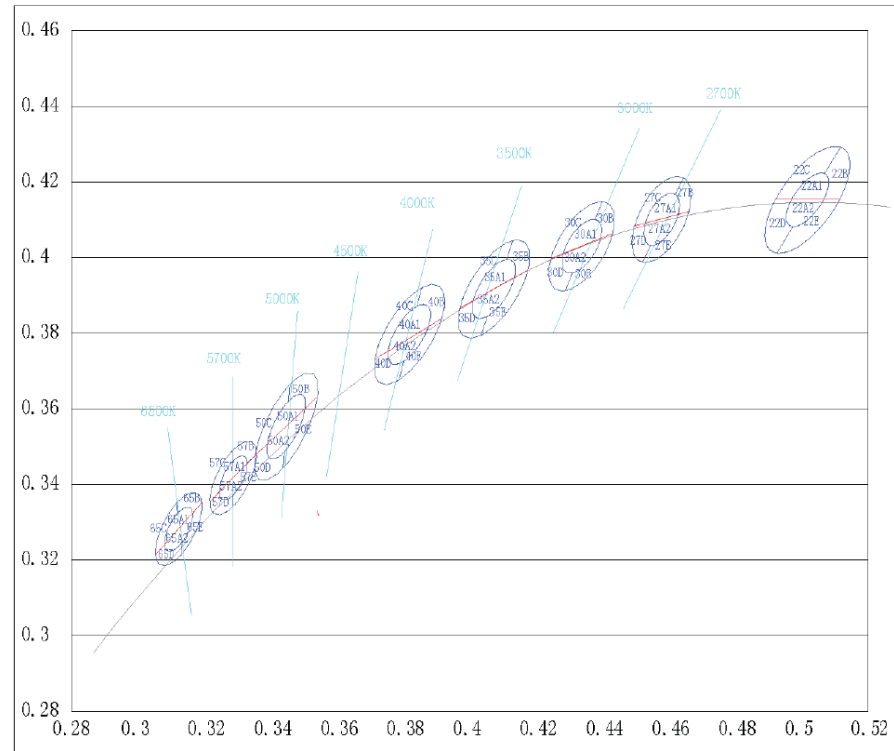
Common Characteristic [@Tj : 85°C] ;			
Module Code	X-ML16500LM-4080-2835Rx-54		
PCB Material	ALU	Electrical Connection	
Operating Temperature (°C)	-25 ~ +100°C	Parallel	3
Storage Temperature (°C)	-25 ~ +100°C	Series	18
Thermal Conductivity (W/m-K)	1,5	LED Quantity	54
LED	L128-xx80RA35002C1		
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	51	53	55
Module Operating Current (mA)	150	250	400
Branch Operating Current (mA)	50	83	133
Module Power (W)	7,70	13,28	21,96
Module Light Output (lm)	1.424	2.390	3.777
Module Efficiency (lm/W)	185	180	172
LED	L128-xx80RA35002F1		
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	51	53	55
Module Operating Current (mA)	150	250	400
Branch Operating Current (mA)	50	83	133
Module Power (W)	7,70	13,28	21,96
Module Light Output (lm)	1.370	2.283	3.623
Module Efficiency (lm/W)	178	172	165
LED	L128-XX80RA35002Q1		
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	51	53	55
Module Operating Current (mA)	150	250	400
Branch Operating Current (mA)	50	83	133
Module Power (W)	7,70	13,28	21,96
Module Light Output (lm)	1.285	2.084	3.228
Module Efficiency (lm/W)	167	157	147

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)
L128-xx80RA35002C1	1,00	1,02	1,10	1,15	1,10
L128-xx80RA35002F1	0,88	0,91	1,00	1,00	1,00
L128-XX80RA35002Q1	0,74	0,78	0,86	0,86	0,86

1	2	3	4	5	6
X-ML16500LMxx-2835RA-2F1-54 MECHANICAL DRAWINGS					
A					A
B					B
C					C
SERBEST ÖLÇÜ TOLERANSLARI -DIN 2768-1 / General Tolerances for linear and angular 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
± 0.1		± 0.1	± 0.2	± 0.3	± 0.5
Stock code No		MALZEME (MATERIAL)		AGIRLIK (WEIGHT)	
Revision		XXX		XXX	
Date		21.06.2021		TLS-001-10L16500LML28-54	
Sheet				OLÇEK / SCALE	
Drawn By		Kaan ALTINTEN		A4	
Checked By		Kaan ALTINTEN		TD Lighting Solutions	
Approved By		Utku OZTURK			
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CCT AND BINNING INFORMATION



LIFE TIME

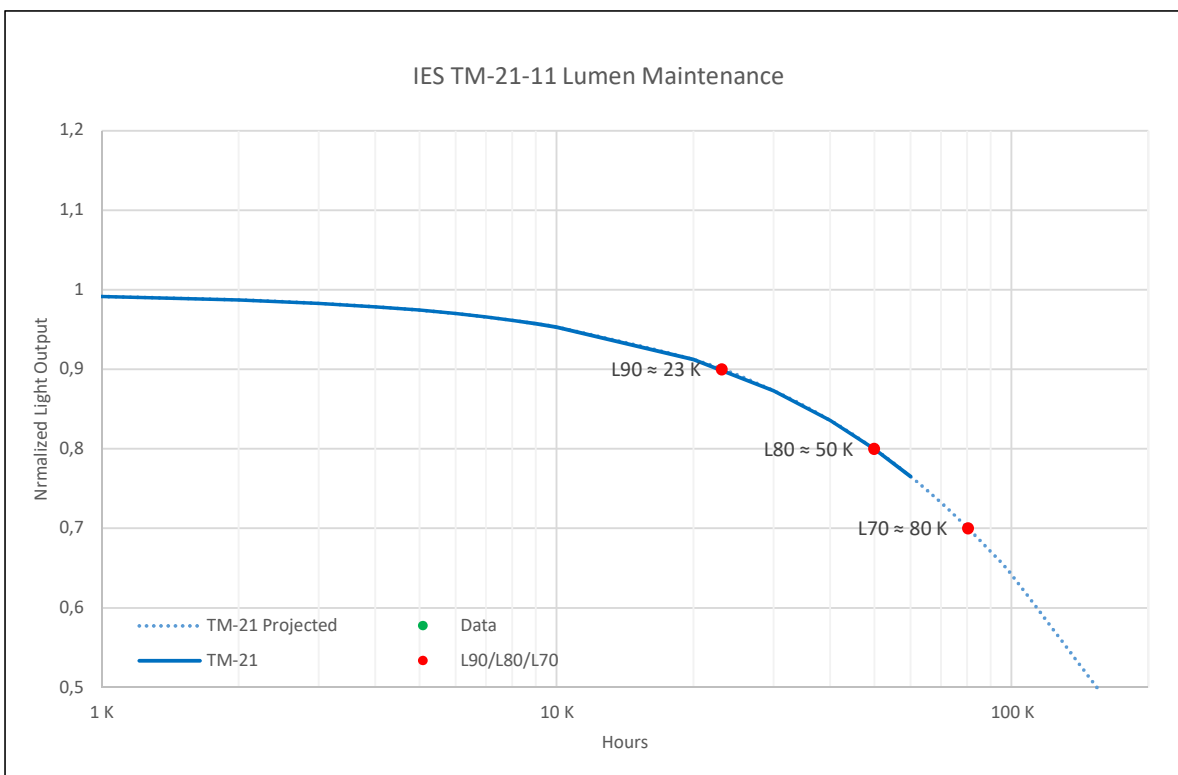
MODEL NUMBER: 2835RA



TM-21-11 Report

Manufacturer	Lumileds
Model	2835RA
Test Report applies to the following part number	L128-4080RA3500xxx
Drive current for each LED package/array/module (mA)	150
In-situ case teperature (Tc, °C)	85

Part Number Tested	L128-3080RA35000Q1
Sample size	25
Number of failures	0
DUT drive current used in the test (mA)	150
Test duration (hours)	9000
Test duration used for projection (hour to hour)	4000-9000
Tested case temperature (°C)	85
α	4,3890E-06
B	9,9600E-01
Calculated L70(10k) (hours)	80352
Reported L70(10k) (hours)	> 54000



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CONTACT

TLS Teknoloji Sistemleri San ve Dış Tic AŞ

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

info@tsteknoloji.com
+90 444 27 33