



PRODUCT PHOTO



SPECIFICATIONS

- Default driving method is constant voltage input(24V)
- CCT Range from 2000°K up to 6500°K
- Luminous flux range from 930 lm to 2100 lm
- Efficacy of the module up to 180 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:

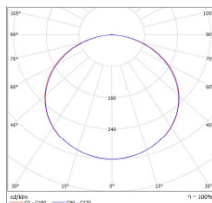
+90 444 27 33

APPLICATIONS



Cove Light

PHOTOMETRY

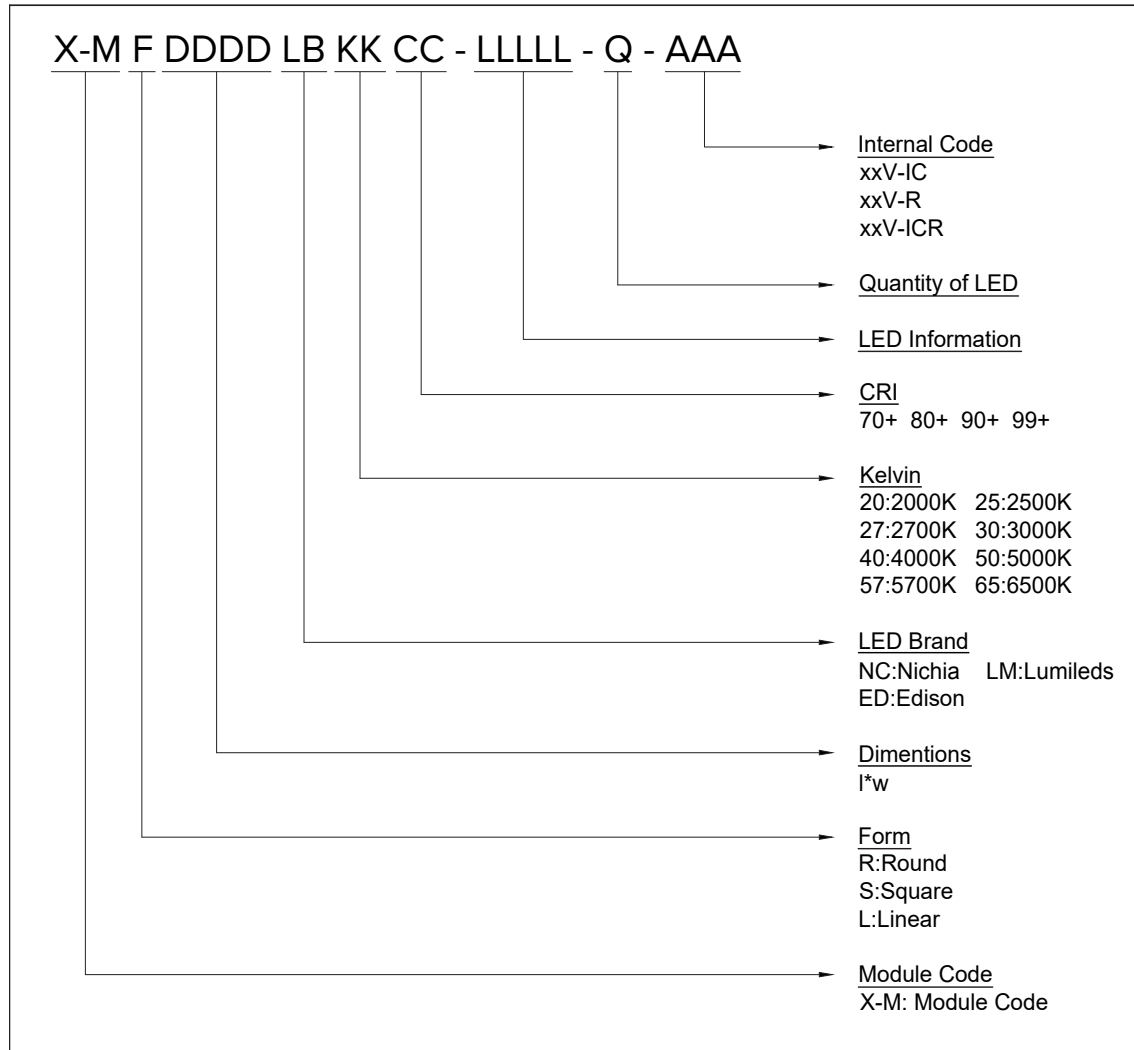


W/O LENS

TECHNICAL DATA

Beam Angle	120°
Ambient temperature range	-25° ~ +55°C
Tc max	85°C
Max. DC forward current	500mA
Typical voltage of LED Module at max current	24 V
Insulation test voltage	2kV
ESD classification	Class 1
Risk group (EN 62471:2008)	1
Type of protection	IP00

ORDERING INFORMATION



DRIVING CURRENT VS LUMEN OUTPUT SPECIFICATION

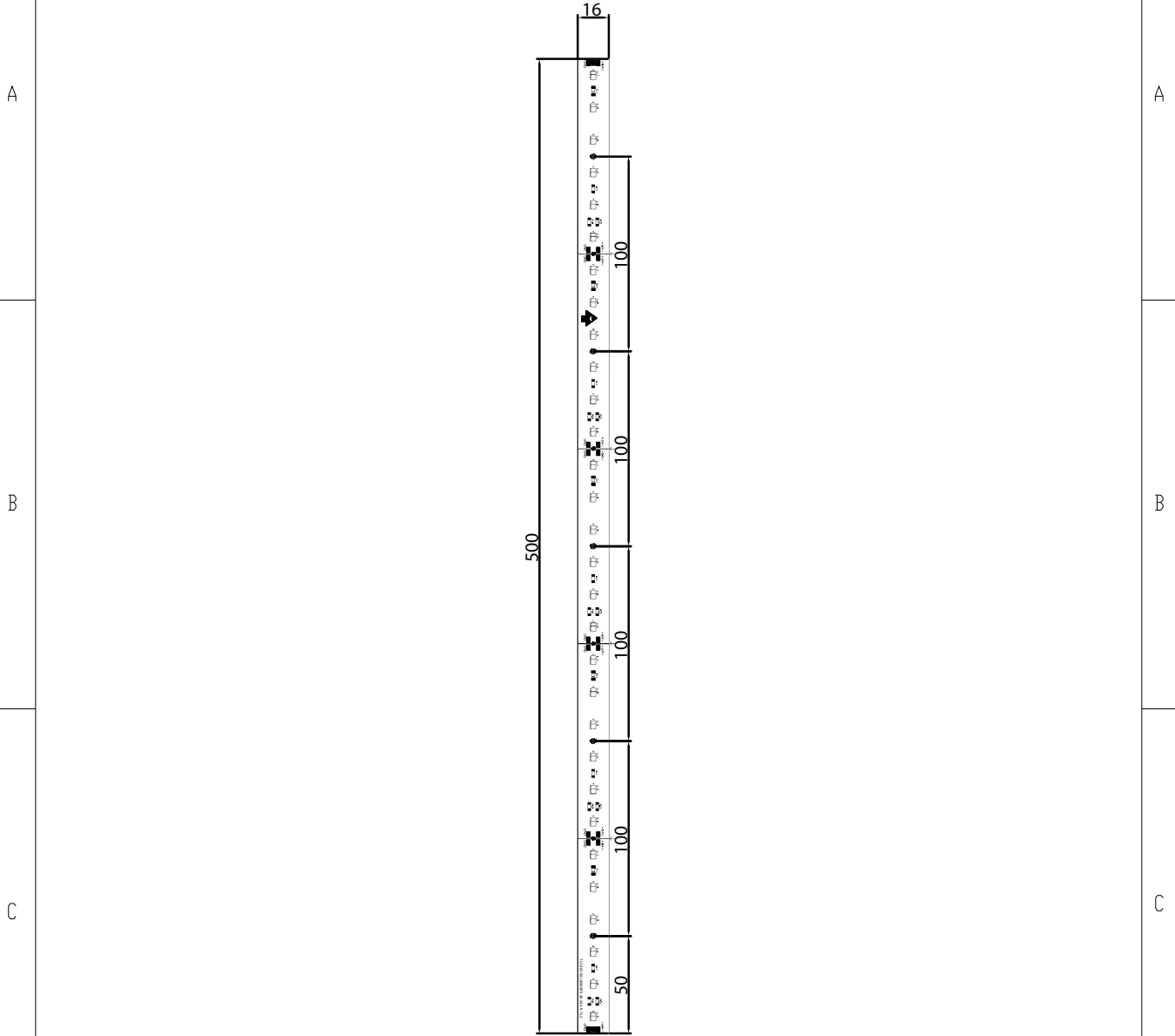
Common Characteristic [@Tj] : 85°C ;			
Module Code		X-ML16500LMxx-2835xx-30-24V-R	
PCB Material		FR4	Electrical Connection
Operating Temperature (°C)		-40 ~ +85	Parallel 5
Storage Temperature (°C)		-40 ~ +55	Series 6
Thermal Conductivity (W/m-K)		1>	LED Quantity 30
LED		2835HE	
Correlated Color Temperature (CCT)		4000K	
Color Rendering Index (CRI)		80+	
Module Operating Voltage (V)		24,00	24,00 24,00
Module Operating Current (mA)		250	350 500
Branch Operating Current (mA)		50	70 100
Module Power (W)		6,00	8,40 12,00
Module Light Output (lm)		1.110	1.512 2.100
Module Efficiency (lm/W)		185	180 175
LED		2835RA-2F1	
Correlated Color Temperature (CCT)		4000K	
Color Rendering Index (CRI)		80+	
Module Operating Voltage (V)		24,00	24,00 24,00
Module Operating Current (mA)		250	350 500
Branch Operating Current (mA)		50	70 100
Module Power (W)		6,00	8,40 12,00
Module Light Output (lm)		978	1.319 1.800
Module Efficiency (lm/W)		163	157 150
LED		2835RA-2Q1	
Correlated Color Temperature (CCT)		4000K	
Color Rendering Index (CRI)		80+	
Module Operating Voltage (V)		24,00	24,00 24,00
Module Operating Current (mA)		250	350 500
Branch Operating Current (mA)		50	70 100
Module Power (W)		6,00	8,40 12,00
Module Light Output (lm)		930	1.218 1.680
Module Efficiency (lm/W)		155	145 140

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)
2835 HE	1	1,09	1,2	1,2	1,2
2835 RA-2F1	0,875	0,916	1	1	1
2835 RA-2Q1	0,74	0,78	0,86	0,86	0,86

Relative luminous intensity versus CCT (°K)

X-ML16500LMxx-2835xx-30-24V-R MECHANICAL DRAWINGS



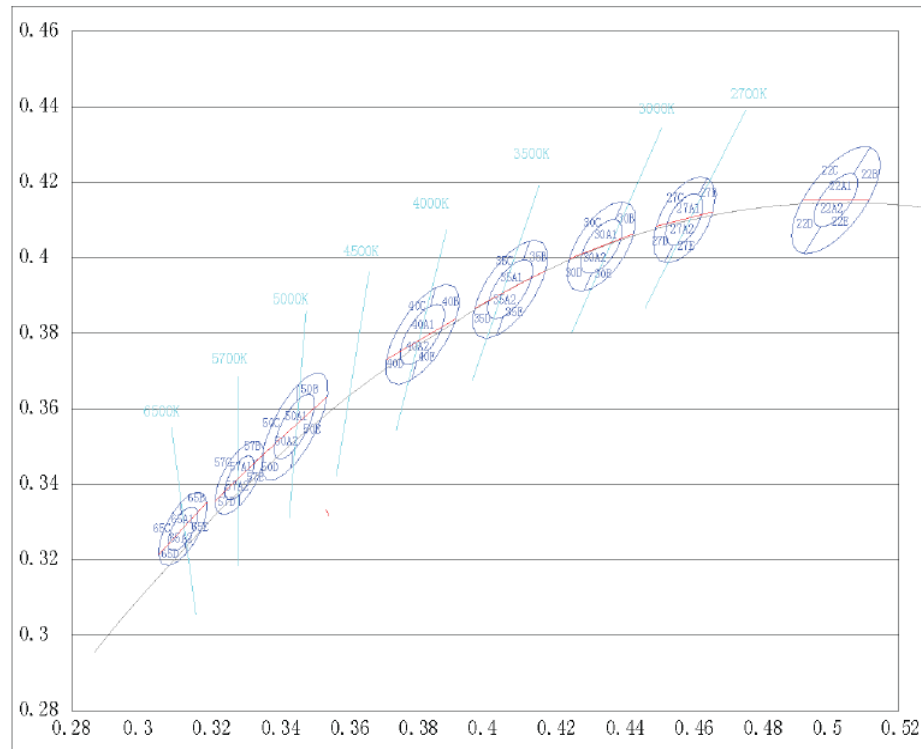
SERBEST ÖLÇÜ TOLERANSLARI -DIN 2768-1 / General Tolerances for linear and angular dimensions (DIN ISO 2768-1)

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		over 400 up to 1000mm		
± 0.1		± 0.1		± 0.2		± 0.3		± 0.5		± 0.8		
Stock code No				MALZEME (MATERIAL) XXX		AGIRLIK (WEIGHT) XXX						
Revision	00											
Date	10.12.2019			TLS-001-02L16500ED-30-24V							OLÇEK / SCALE	A4
Sheet												
Drawn By	Kaan ALTINTEN							 TD Lighting Solutions				
Checked By	Ibrahim OKMEN											
Approved By	Mesut CINAR											

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CCT AND BINNING INFORMATION

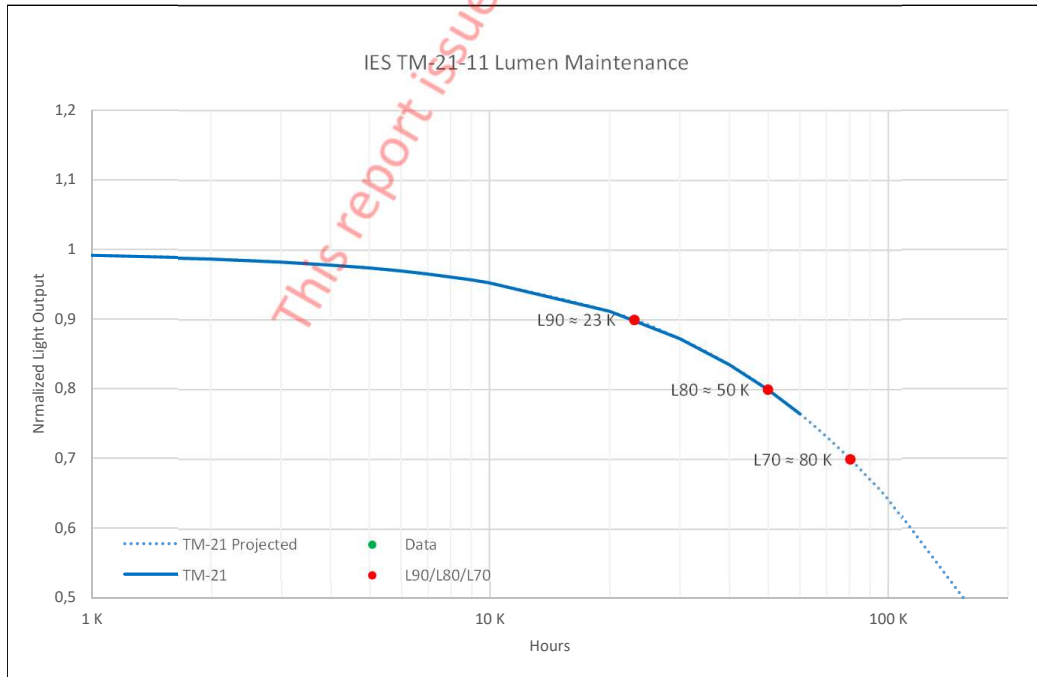


LIFE TIME

MODEL NUMBER: 2835RA

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 temperature (Tc, °C)	85

Part Number Tested	L128-3080RA3500Q1
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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