



Product Datasheet

X-ML14500ET-2835xx-30-24V

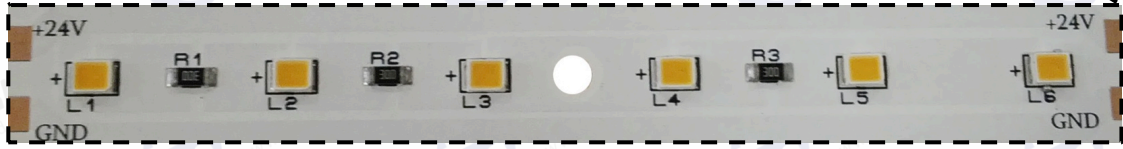
Revision: June 2015

Picture of Module

ORIGINAL



ZOOMED

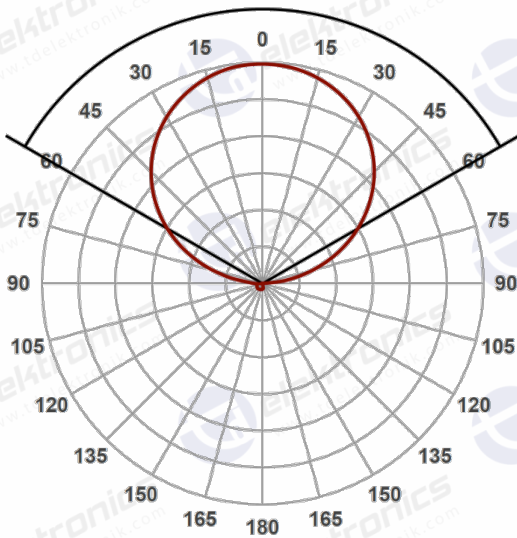


Photometry

Applications

Beam angle

120,2°



Down light



Panel light



Tube light



Decorative



Cove light



Spotlight



Street light



Outdoor



PAR lamp



High bay



Bulb



Sign board

Product Features

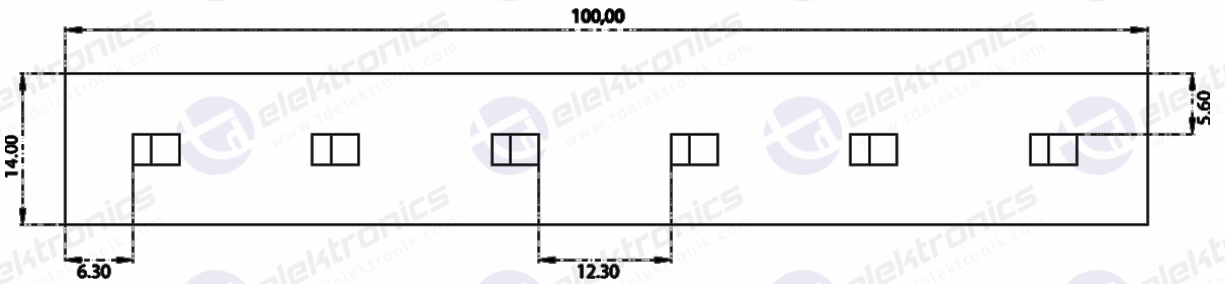
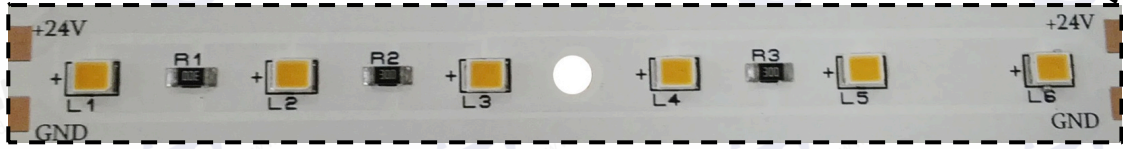
- Default driving method is constant voltage input. Ask for alternatives depending on your project.
- IES and LDT files provided upon request.

Mechanical Details

WHOLE



PIECE



IMPORTANT NOTE: Each module consists of 5 pieces in parallel.
Unbroken module length is five times -piece's length-.

Order Code Formation

Product Code	CCT options	CRI options
X-ML14500ET-2835xx-30-24V	2700	65
	3000	70
	4000	80
	5000	90
	6500	M3

Order code consists of product code, combined with CCT and CRI values.

Example Order Code: X-ML14500ET-2835xx-30-24V + 4000 + 90

(Given values are just examples, you may choose whichever you want from the list.)

Current & Resistor Relevance

Module Code	Module Voltage	Current (mA)	R1	R2	R3	Total
X-ML14500ET-2835xx-30-24V	24	10	140 Ω	140 Ω	140 Ω	560 Ω
		20	91 Ω	91 Ω	91 Ω	273 Ω
		30	51 Ω	51 Ω	51 Ω	153 Ω
		40	47 Ω	47 Ω	47 Ω	141 Ω
		50	36 Ω	36 Ω	36 Ω	108 Ω
		60	30 Ω	30 Ω	30 Ω	90 Ω

Absolute Maximum Ratings & Specs for 2835T

Common Characteristics [@ T _j : 65°C & T _{ambient} : 25°C]			
LED Brand & Type	ETİ 2835T		Electrical Connection
PCB Material	CEM1		
Operation Temperature (°C)	-40 ~ 100		Parallel 5
Storage Temperature (°C)	-40 ~ 100		Series 6
Thermal Conductivity (W/m-K)	N/A		Total LED Quantity 30
Specs for Warm White Outputs			
Part Number	X-ML14500ET-2835WW-30-24V		
Correlated Color Temperature (CCT)	3000 K		
Color Rendering Index (CRI)	80 +		
Module Operating Current (mA)	200	250	300
Branch Operating Current (mA)	40	50	60
Module Operating Voltage (V)	24.0	24.0	24.0
Module Power (W)	4.8	6.0	7.2
Module Light Output @ T _j 65 (lm)	453	551	646
Module Efficiency (lm/W)	94	92	90
Specs for Neutral White Output			
Part Number	X-ML14500ET-2835NW-30-24V		
Correlated Color Temperature (CCT)	4000 K		
Color Rendering Index (CRI)	80 +		
Module Operating Current (mA)	200	250	300
Branch Operating Current (mA)	40	50	60
Module Operating Voltage (V)	24.0	24.0	24.0
Module Power (W)	4.8	6.0	7.2
Module Light Output @ T _j 65 (lm)	453	551	646
Module Efficiency (lm/W)	94	92	90
Specs for Cool White Outputs			
Part Number	X-ML14500ET-2835CW-30-24V		
Correlated Color Temperature (CCT)	6500 K		
Color Rendering Index (CRI)	70		
Module Operating Current (mA)	200	250	300
Branch Operating Current (mA)	40	50	60
Module Operating Voltage (V)	24.0	24.0	24.0
Module Power (W)	4.8	6.0	7.2
Module Light Output @ T _j 65 (lm)	453	551	646
Module Efficiency (lm/W)	94	92	90