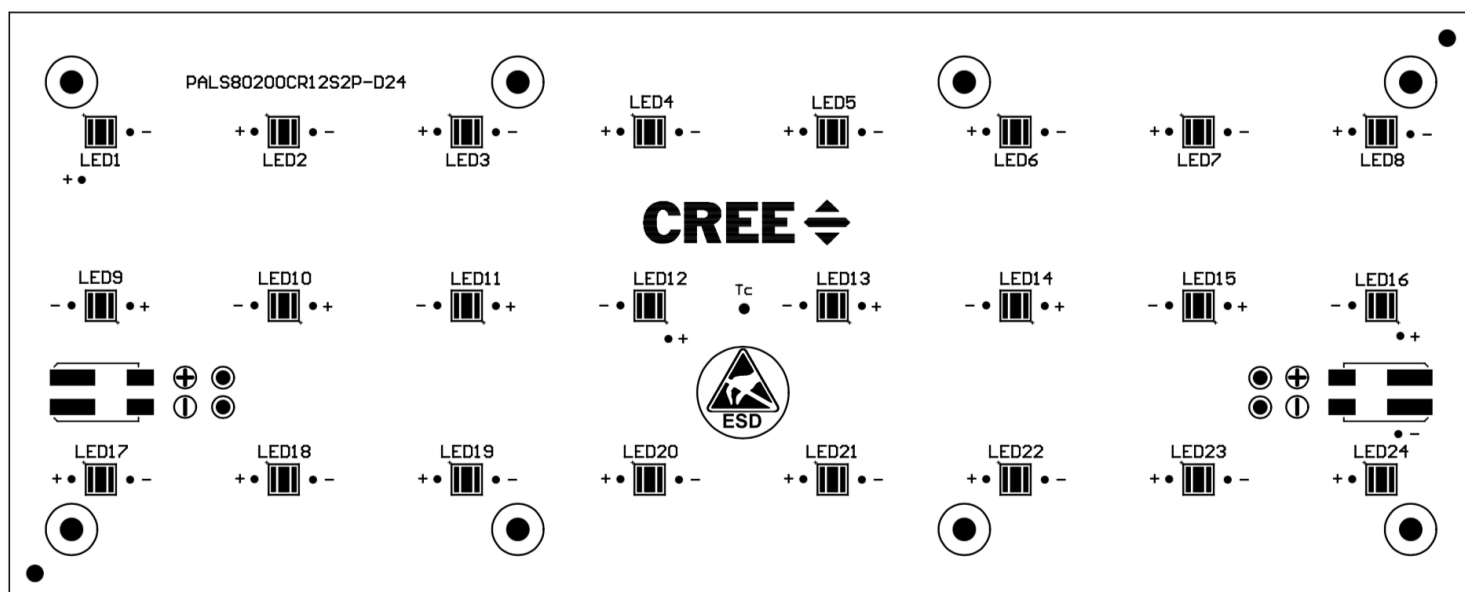




APPLICATIONS

- Street Lighting
- High and Low Bay Lighting
- Flood Lighting
- Parking Lot
- Industrial Lighting

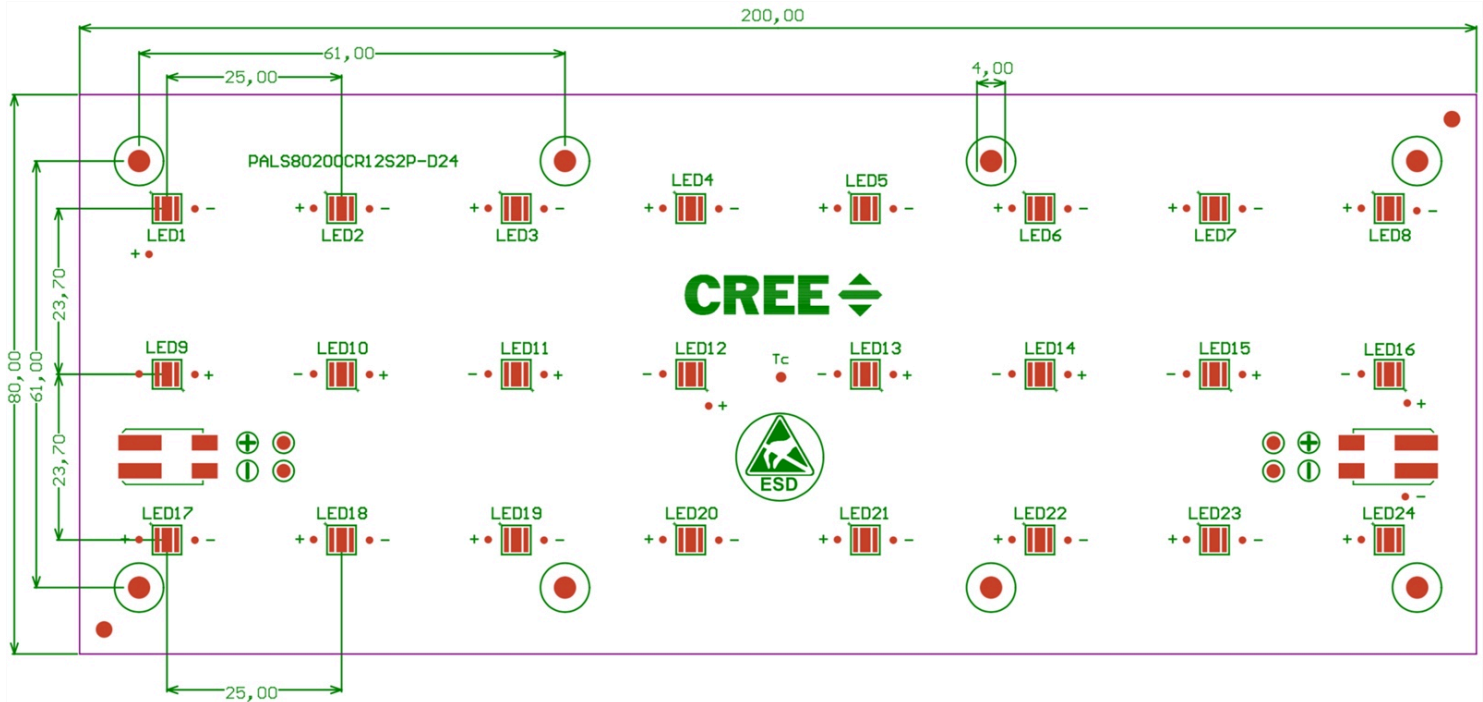
SPECIFICATIONS

- Cree XLamp XTE Series
- From 2700 K to 6000 K CCT Range
- Long lifetime up to 100,000 hours
- Easy connection with push-in connectors
- Accurate Color Matching [SDMC]

- Calculated Parameters for Cree XLamp XTE

PALS80200CR12S2P-D24							
LED Brand			Cree			Electrical Connection	
LED			XLamp XTE (Max 1.5 A – 3 Volt)				
PCB Properties			Aluminium 1 Oz Copper 1.6 mm Thickness 1 W/mK Thermal Conductivity IPC Class 2, Class 3 Hasl Lead Free			LED Number	24
Color Rendering Index - CRI2			70			Parallel	2
						Serial	12
Color Tempeature - CCT			2700 K - 6000 K				
Viewing Angle			115°				
Led Thermal Resistance			5 K/Watt				
Max Drive Current of Led Module			3000 mA				
Led Junction Temperature			150 °C				
SMD Connector on Led Module			Wago 2060-452 Series				
Drive Current [mA]	Voltage [V]	Power [W]	CCT [K]	Flux [lm]		Efficacy [lm/Watt]	
				Min	Max	Min	Max
1050	34,2	35,9	2700	4104	4392	114,3	122,3
			3000	4104	4680	114,3	130,3
			4000	5328	5616	148,4	156,4
			5000	5328	5904	148,4	156,4
			6000	5328	5904	148,4	156,4
1400	35	49	2700	5144	5504	105	112,3
			3000	5144	5865	105	119,7
			4000	6677	7038	136,2	151
			5000	6677	7400	136,2	151
			6000	6677	7400	136,2	151
2100	36,24	76,1	2700	6840	7320	89,9	96,2
			3000	6840	7800	89,9	96,2
			4000	8880	9360	116,6	123
			5000	8880	9840	116,6	129,3
			6000	8880	9840	116,6	129,3

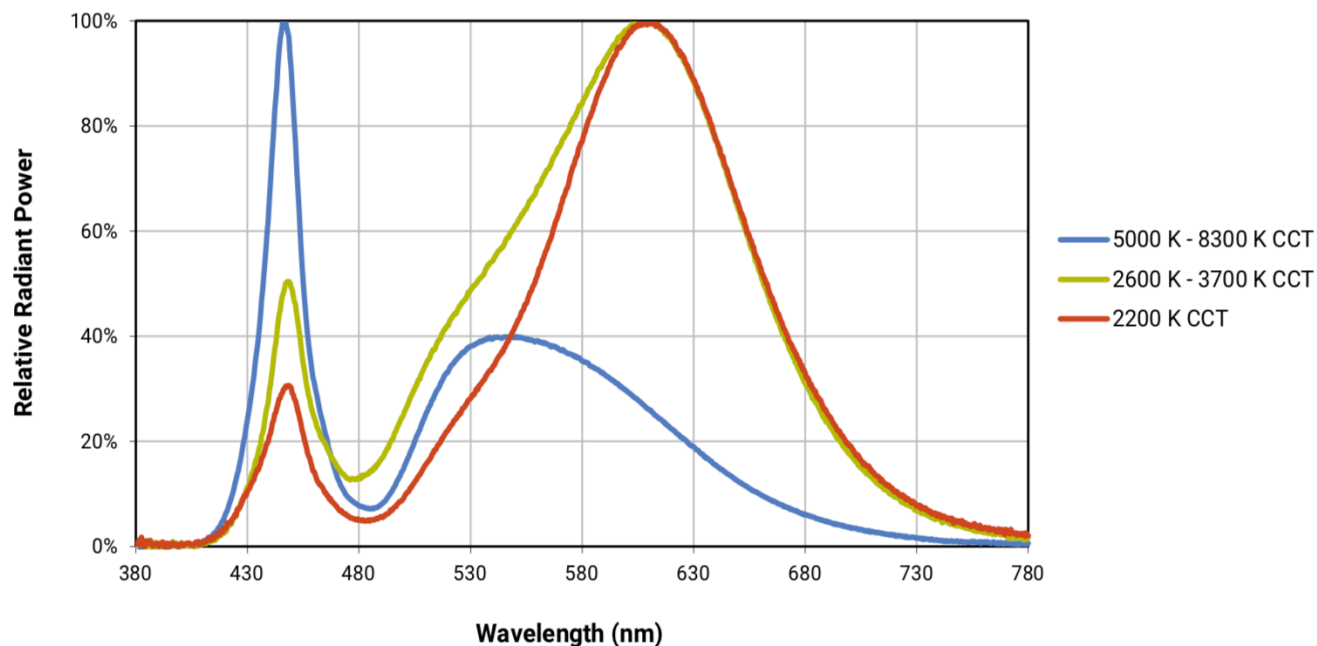
- Mechanical Drawing



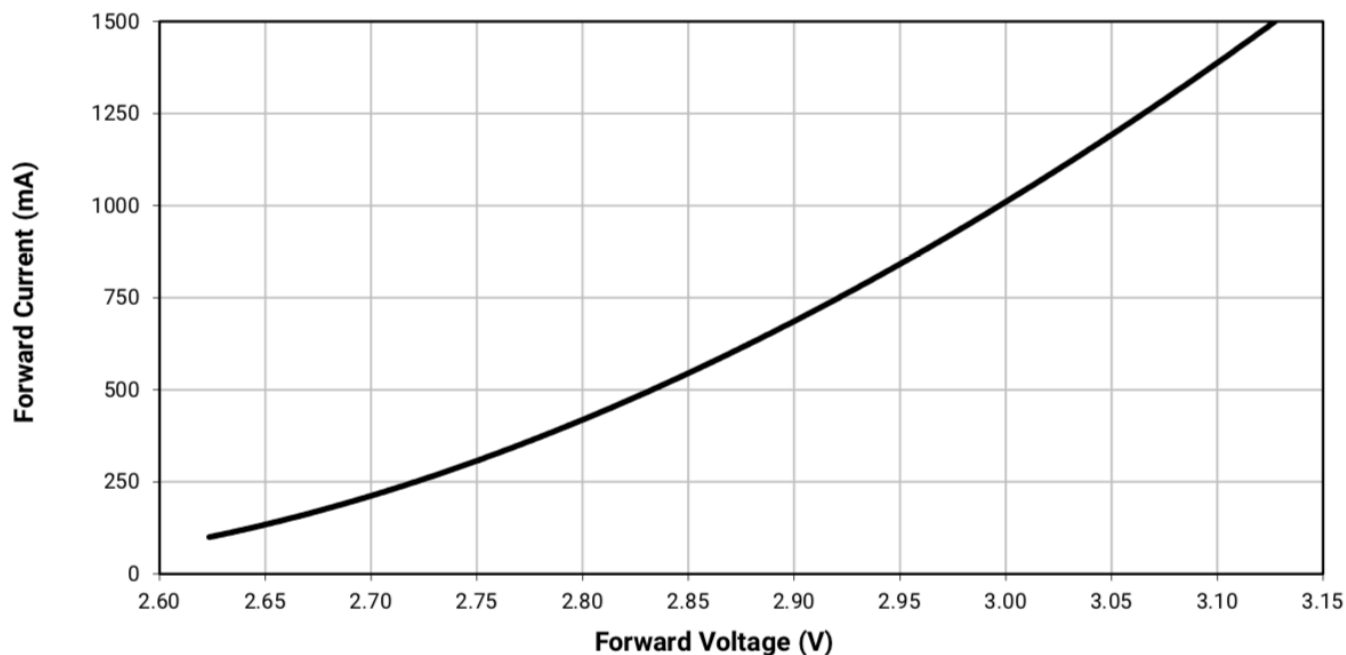
- All dimension in mm
- Led Modules can be redesign according to customer demands, and customer logos can be added on the product.
- Push-in Connectors accept 0.2 – 0.75 mm² solid or stranded wire.

SPECIFICATIONS FOR LED CHIP ON THE MODULE

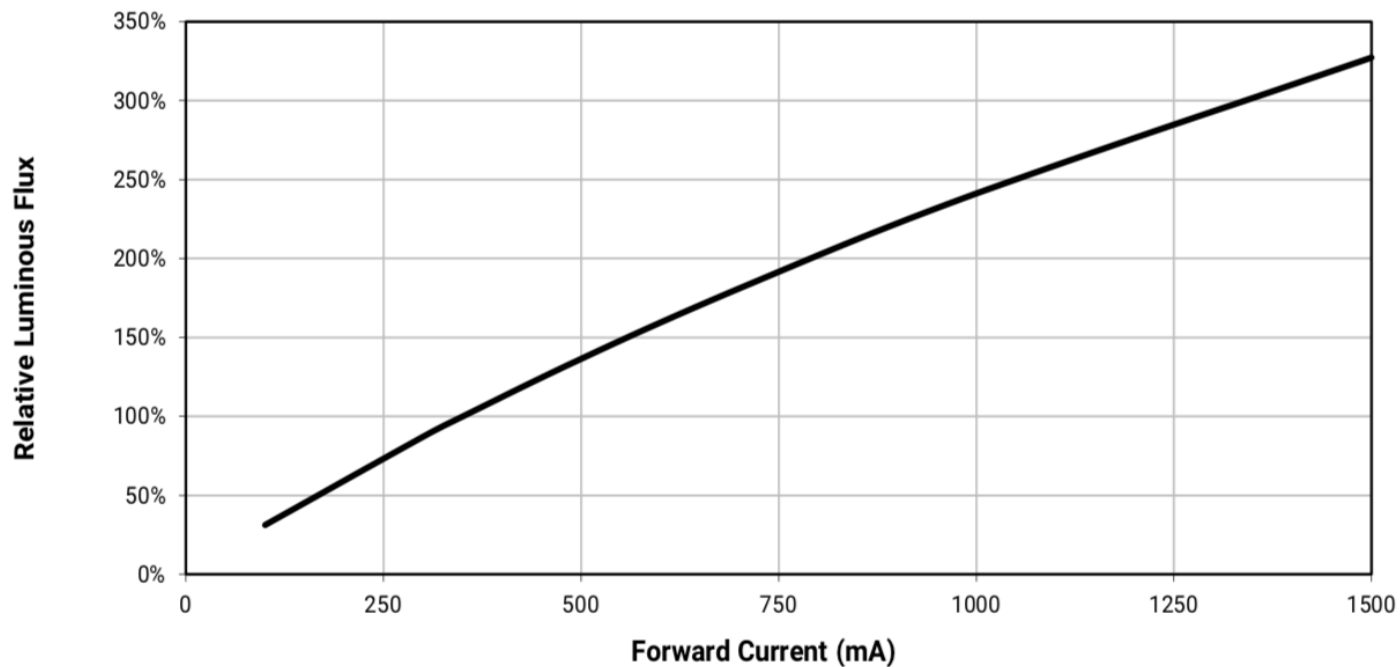
1- Relative Spectral Distribution



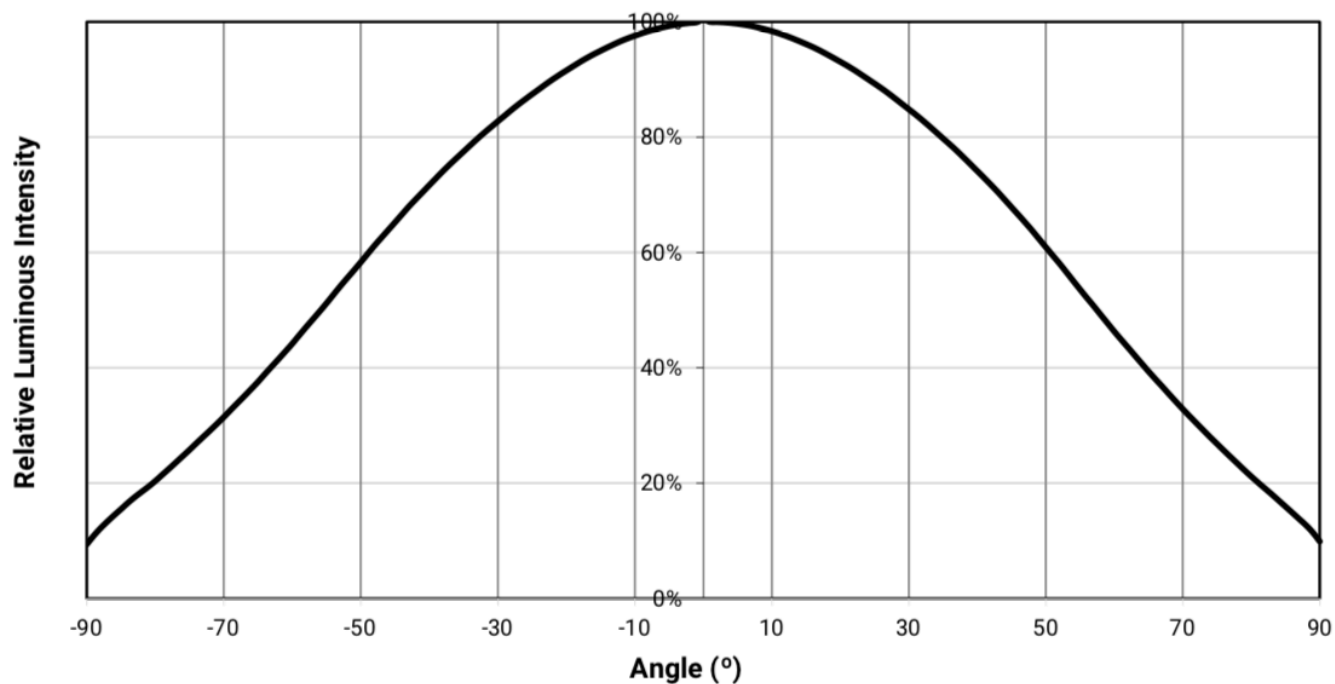
2- Electrical Characteristic



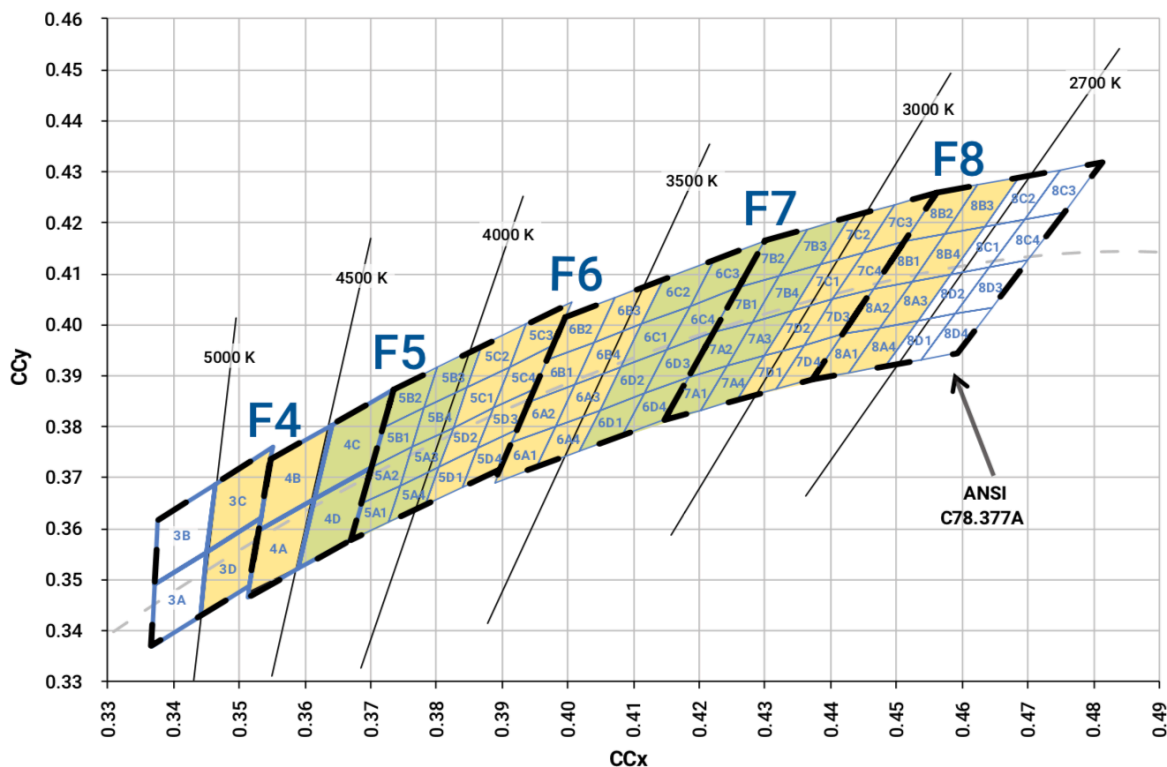
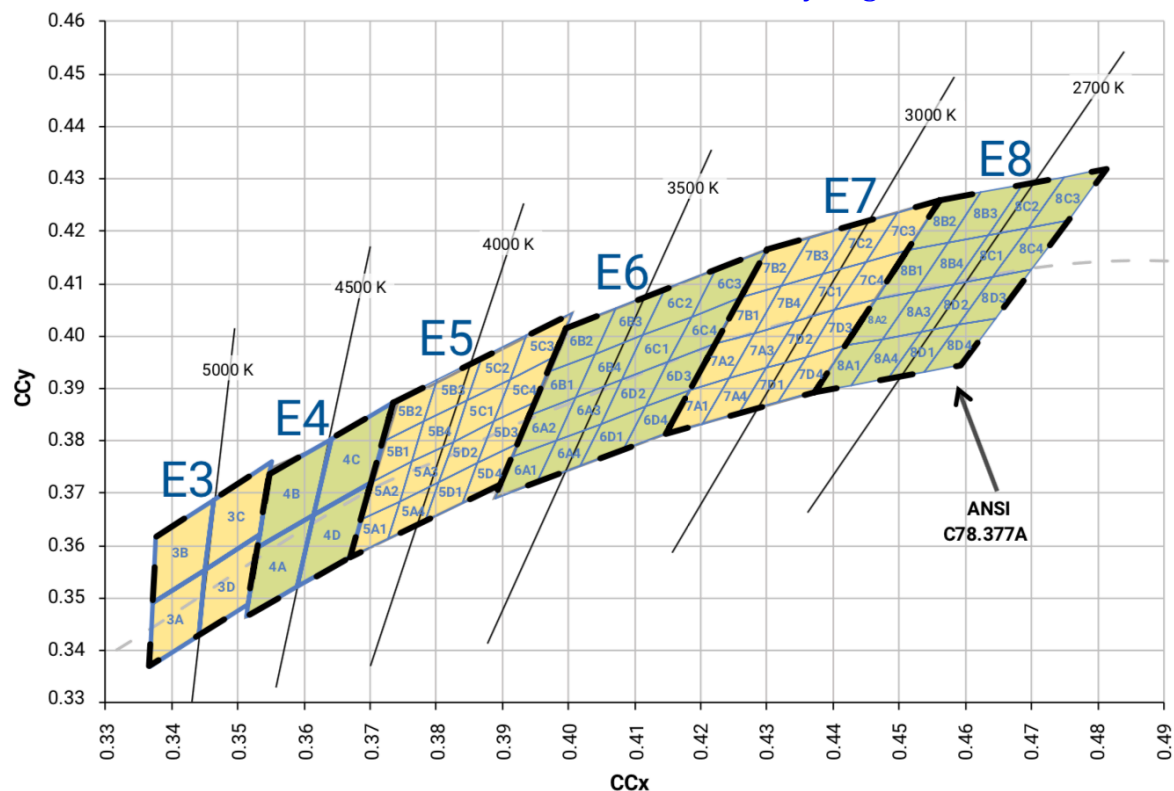
3- Relative Luminous Flux vs Current



4- Typical Spatial Distribution



5- Warm and Neutral White Kits Plotted on Ansi Standart Chromaticity Regions



Notes

- All plotted figures in led module specifications are collected from the datasheet of Xlamp Cree XTE provided by Cree, Inc. via <https://www.cree.com/led-components/>.
- All designs supplied by Pals Aydınlatma is to be assumed confidential.

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