

EP-273X16-1003-L128

New Experience Of Lighting

- Lumileds Luxeon 2835 SA-AI 3V
- Constant Color, MacAdams Step 3
- Homogeneous illumination
- Optional PCB Material Selection



- Substrate:ALU/FR4/CEM1/CEM3
- PCB Thickness:1.0/1.6 mm
- Copper Weight:35Um/70Um
- Surface Treatment:HASL/OSP
- Thermal Conductivity:1W/1.2W/1.5W/2W
- Breakdown Voltage:2000V

Electrical Specification

Product Code	Colour	Luminous Flux TC:25°C Tj:25°C	Forward Voltage Flux Tj:25°C	Serial	Parallel	Power Consumption TC:25°C Tj:25°C	Efficacy TC: 25°C Tj:25°C	CRI
	(k)	(lm)	(v)			(w)	(lm/w)	
Operation Mode at 250 mA								
EP-273X16-1003-L128-30-80	3000	1259	27.9	10	3	6.98	180.37	80
EP-273X16-1003-L128-40-80	4000	1311	27.9	10	3	6.98	187.82	80
EP-273X16-1003-L128-65-80	6500	1293	27.9	10	3	6.98	185.24	80
Operation Mode at 350 mA								
EP-273X16-1003-L128-30-80	3000	1717	28.5	10	3	9.98	172.04	80
EP-273X16-1003-L128-40-80	4000	1779	28.5	10	3	9.98	178.25	80
EP-273X16-1003-L128-65-80	6500	1759	28.5	10	3	9.98	176.25	80
Operation Mode at 500 mA								
EP-273X16-1003-L128-30-80	3000	2374	29.3	10	3	14.65	162.04	80
EP-273X16-1003-L128-40-80	4000	2446	29.3	10	3	14.65	166.96	80
EP-273X16-1003-L128-65-80	6500	2423	29.3	10	3	14.65	165.39	80

**These values are estimated.



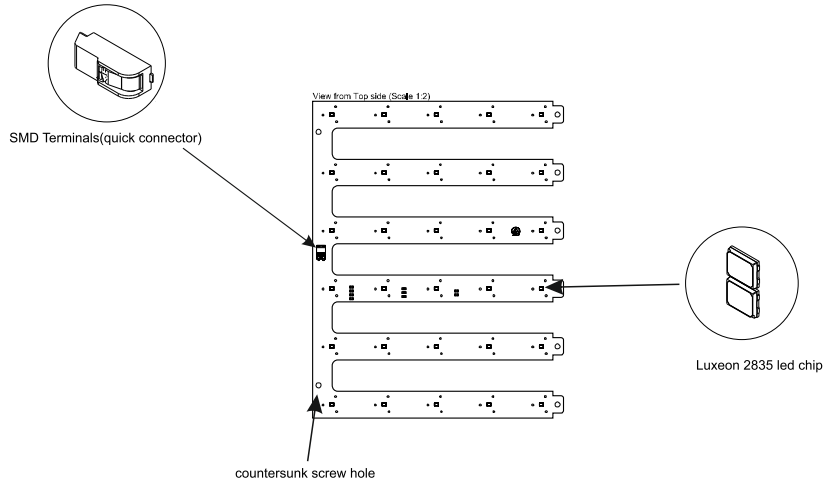
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Mechanical Specification

New Experience Of Lighting

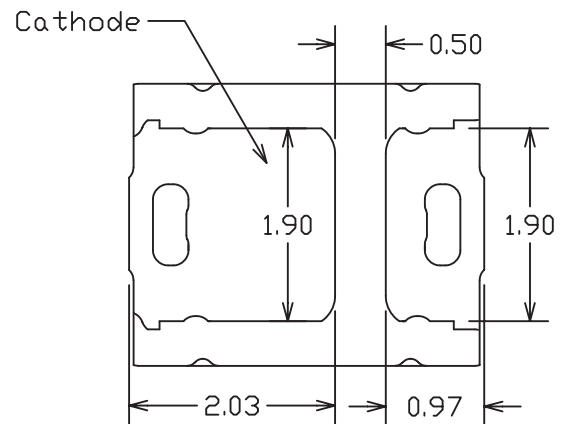
PCB Specification

- Length: 273 mm
- Width: 16 mm
- Height: 2.25 mm
- Thickness of PCB: 1.6 mm

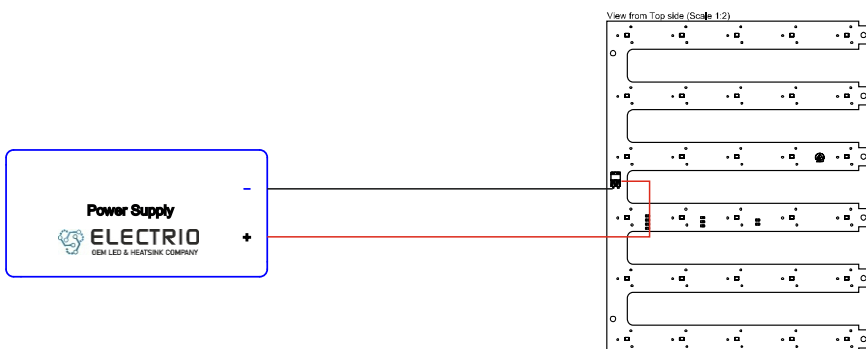


LEDs Specification

- CRI: 80
- IF-Type: 65 mA
- IF-Max: 200 mA
- Tj-Typ(sorting), Tj-Max: 45°C-85°C



Connection Diagram

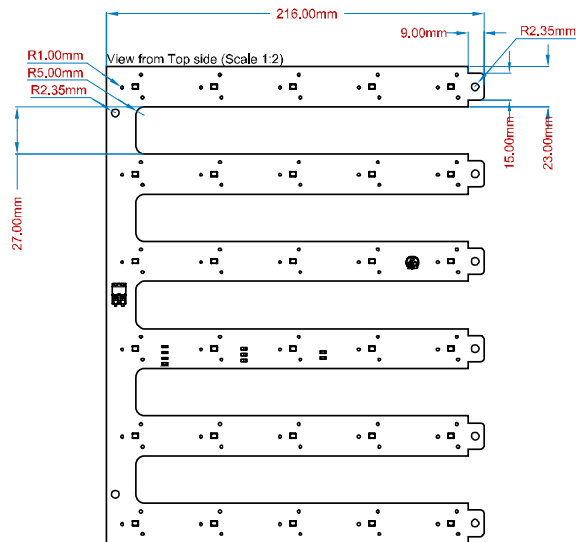


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Mechanical Dimensions

New Exprience Of Lighting

View from Front side (Scale 1:2)



View from Bottom side (Scale 1:2)

