

EL-442X20-2103-L128

New Experience Of Lighting

- Lumileds Luxeon 2835 SA-A1 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								
EL-442X20-2103-L128-30-80	3000	2645	58.59	21	3	14.65	180.54	80
EL-442X20-2103-L128-40-80	4000	2752	58.59	21	3	14.65	187.84	80
EL-442X20-2103-L128-65-80	6500	2716	58.59	21	3	14.65	185.39	80
Operation Mode at 350 mA								
EL-442X20-2103-L128-30-80	3000	3606	59.85	21	3	20.95	172.12	80
EL-442X20-2103-L128-40-80	4000	3736	59.85	21	3	20.95	178.32	80
EL-442X20-2103-L128-65-80	6500	3693	59.85	21	3	20.95	176.27	80
Operation Mode at 500 mA								
EL-442X20-2103-L128-30-80	3000	4985	61.53	21	3	30.77	162.00	80
EL-442X20-2103-L128-40-80	4000	5137	61.53	21	3	30.77	166.94	80
EL-442X20-2103-L128-65-80	6500	5088	61.53	21	3	30.77	165.35	80

**These values are estimated.



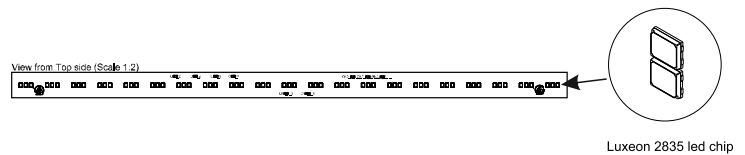
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Mechanical Specification

New Exprience Of Lighting

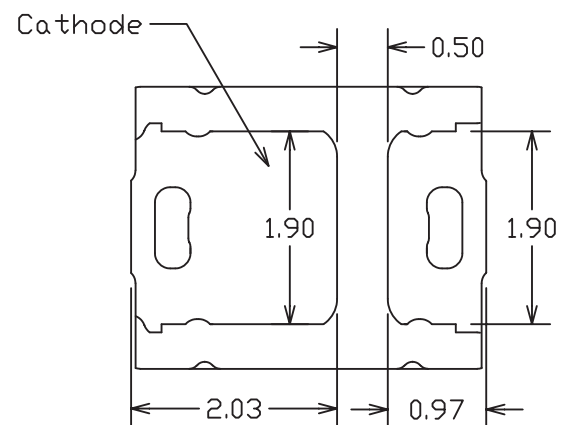
PCB Specification

- Length:442 mm
- Width:20 mm
- Height:2.25 mm
- Thickness of PCB:1.6 mm

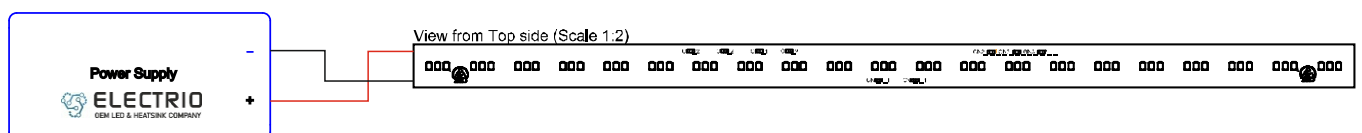


LEDs Specification

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



Connection Diagram

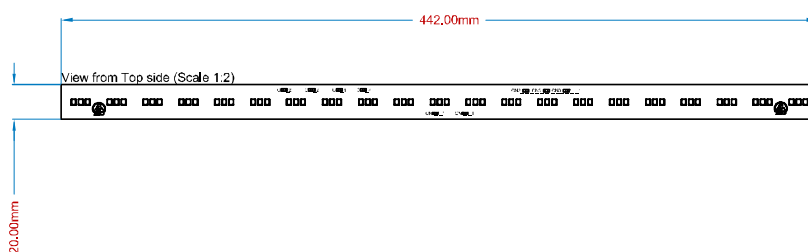


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Mechanical Dimensions

New Exprience Of Lighting

View from Front side (Scale 1:2)



View from Bottom side (Scale 1:2)

